OGO 翱格®

High-voltage presence indicating system , electromagnetic lock, high-voltage insulation components Temperature and humidity controller, short-circuit grounding fault indicator

江山市鑫源电气有限公司
JIANGSHAN XINYUAN ELECTRICAL CO.,LTD.

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江山市鑫源电气有限公司
JIANGSHAN XINYUAN ELECTRICAL CO.,LTD.

High-Quality Development

2024 Transformation
7 — Entered the global supplier system of Schneider Electric

Completed smart production line; recognized as Zhejiang Provincial Specialized, Sophisticated, Distinctive, and Innovative SME — 6 — **2023 Informatization**

2017 Advantage
5 — Recognized as National High-Tech Enterprise

Established expert workstations; achieved output value of RMB 41 million; became the largest domestic manufacturer of displays — 4 — **2016 Breakthrough**

2015 Expansion
3 — Completed new plant construction, expanding production capacity

Annual sales revenue growth of over 20% — 2 — **2011 Growth**

2004 Founding
1 — Production of high-voltage presence indicating system

Development History

Every step over 20 years has been firm and solid



Company Profile

Company Profile

Jiangshan Xinyuan Electrical Co., Ltd. was established on June 11, 2004, with registered capital of RMB 15 million. The company is located at No. 2 Huiyuan Road, Shanhai Collaborative Park, Jiangshan Economic Development Zone, Zhejiang Province, covering total area of 8,960 square meters, and currently employs over 140 staff. The company specializes in the R&D, production, and sales of high-voltage switchgear components. It has been successively recognized as "Zhejiang Provincial Sci-Tech SME," "Zhejiang Provincial High-Growth Sci-Tech SME," "National High-Tech Enterprise," "Municipal Engineering Technology Research and Development Center," and "Zhejiang Provincial Specialized and Sophisticated SME."

The company holds 39 patents, including 7 invention patents, providing safe and reliable anti-misoperation products for power grids through advanced intelligent control solutions. Each year, the company develops over 10 new products, with annual output exceeding 2 million units. The five-prevention series products have been adopted by renowned European and American brands such as Schneider Electric, Eaton, ABB, and AEG, as well as leading domestic brands including Pinggao Group and XJ Group.

The company has rapid-response R&D team with strong professional capabilities, able to deliver various high-performance, customer-tailored five-prevention series products and services in a short time. The company also operates specialized factory for five-prevention series products, fully implementing and promoting ISO9001:2000 quality management system. It has successively obtained ISO9001-2000 quality management system certification, environmental management system certification, and occupational health and safety management system certification. With extensive product R&D, design, and production experience, along with experienced production and quality assurance teams, all processes including R&D, production, and inspection strictly follow ISO9001 requirements. In 2023, the company completed "Smart Production Line" project, effectively enhancing its information management level. Professional production quality and efficient enterprise management platform ensure high product quality and rapid delivery.

Our service philosophy is "comprehensive innovation, continuously exceeding customer expectations." With high reliability, high quality, high efficiency, competitive pricing, and comprehensive after-sales service, we have earned the trust and praise of our customers.

Core Advantages

1. Optimizing functional parameters to meet system integration requirements for you — **Professional Design Guidance**
2. Customized on demand, fast delivery — **Rapid Customization**
3. Launching new products and improving existing ones every year — **Continuous Innovation**
4. SMT, DIP automatic winding, 45 CNC production machines, over 100 inspection devices — **Advanced Processes**
5. Integrated ERP and MES systems for digital management and high-quality delivery — **Smart Production Line**
6. Nearly 100 product series, nearly 5,000 models, meeting your selection needs — **Rich Product Line**
7. 2-hour rapid response, 2-day containment, 2-week corrective action completion — **After-Sales Service**


Spacious and tidy office premises


Research and Development Laboratory

Corporate Spirit: Strive for precision and strength, innovation and pragmatism

Business Philosophy: Customer-centric, quality first, integrity-driven operations

Strategic Vision: First-class brand, first-class products, first-class enterprise, first-class service

Partners

CREAT 北京科锐	COMKING 康晋电气	HiFuture® 深圳惠程	TBEA 特变电工	CSG 科大智能 科大智能电气	
米格电气 米格电气	中能电气 CEEPOWER 中能电气	SANMEN 三变科技 SANBIAN SCI-TECH 三变科技	Schneider Electric 施耐德电气	七星电气 七星电气	ormazabal velatia 欧玛嘉宝
Huatech® 厦门华电	SOJO 双杰电气	CHNT 正泰 正泰电气	AUX 奥克斯 奥克斯	CYG 长园 长园科技	EATON Powering Business Worldwide 伊顿电气
平高电气	XJ 许继电气	康晋电气	SENYUAN 四方继保	ABB 上海 ABB 变压器	HR 合锐塞尔	AEG 上海安奕极

Production Workshop









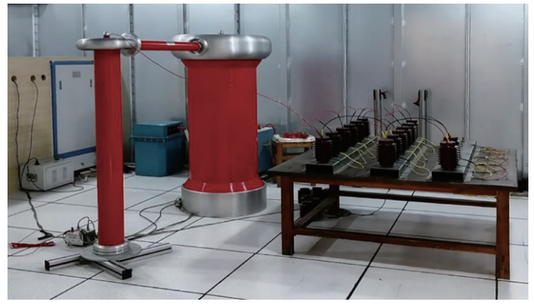








Inspection stations at each production line



Withstand voltage laboratory



Salt spray tester



X-RAY inspection instrument



Constant temperature and humidity chamber

Testing Equipment



Vibration Test System



Bench-top Digital Multimeter



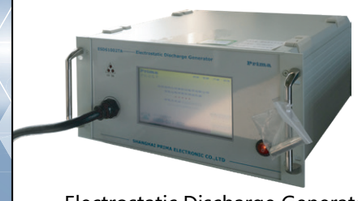
Burst Generator



Hipot Tester



Lightning Surge Generator



Electrostatic Discharge Generator

I. Company Honors & Qualifications



















II. System Certificates







III. CE Certificates









IV. Patent Certificates



V. Software Copyright Certificates



VI. Test Reports



Product Catalog

Indoor High-Voltage Presence Indicating System (VPIS) Series----------013-055

Voltage Presence Indicator (Display Unit) ----------013-042
Phase Comparator----------043

DSN Indoor Electromagnetic Lock Series----------044-059

DSN-I Indoor Switchgear Mechanism Lock----------044
DSN-A (B) M Indoor Electromagnetic Lock----------044-047
DSN-CM Indoor Electromagnetic Lock (Reverse Electromagnetic Lock)----------047
DSN-EM Indoor Electromagnetic Lock (Reverse Electromagnetic Lock)----------048
DSN-J Indoor Electromagnetic Lock (Grounding Switch) ----------048-049
DSN-JG Indoor Electromagnetic Lock----------049-050
DSN-JGA Indoor Electromagnetic Lock----------051
DSN-JS1 Indoor Electromagnetic Lock----------051
DSN-DM Indoor Electromagnetic Door Lock----------052
DSN-JK Indoor Electromagnetic Lock (Active type)----------053
DSN-WY-JK Indoor Electromagnetic Lock (Passive type)----------054
DSN-WY-M1 Indoor Passive Electromagnetic Lock (with voltage presence indicating function)----------055-056
DSN-WY-M2 Indoor Passive Electromagnetic Lock----------057-058
KBST Locking Solenoid----------059

Temperature and Humidity Controller Series----------060-068

WK Series Temperature Controller----------060-061
SK Series Humidity Controller----------062-063
WSK Series Temperature Controller----------064-067
HK Series Temperature Controller----------068

DJR Auxiliary Heater Series----------069

Smart Dehumidifier Series for Switchgear----------070-072

Short-Circuit and Grounding Fault Indicator Series----------073-076

EKL4 Short-Circuit and Grounding Fault Indicator----------073
Panel-mounted Paddle Type Short-circuit Fault Indicator----------074
Cable Type Short-Circuit, Grounding & Flash Fault Indicator----------074
EKL4-W Current, Temperature and Fault Online Monitor----------075
SCM301 Series Integrated Indicator for Voltage Presence & Short-circuit/Grounding Fault----------076

JSN1 Anti-mistake Mechanical Program Lock----------077

Cabinet Lighting----------078-079

Smart Controller for Grounding Switch----------080

CT Open-circuit Protection Device----------081-082

Temperature Controller for Dry-type Transformer----------083

Infrared Temperature Measurement Window----------084

Indoor High-Voltage Presence Indicating System (VPIS) Series
Voltage Presence Indicator (Display Unit)

I. Overview

This product is voltage indicator designed by our company based on customer requirements. Its internal circuit is provided with low-power LED display components, resulting in low overall power consumption, higher stability, greater reliability, and LED lifespan exceeding 100,000 hours. To facilitate dual-circuit phase comparison on site, the indicator can be equipped with phase test terminals on the panel as requested, enabling check and secondary phase comparison. Front frame of indicator housing of plug-in product is front-removable, allowing replacement of the entire circuit board without opening the indicator housing, enabling replacement without power interruption. It is widely applicable in indoor high-voltage electrical equipment rated at 3.6, 7.2, 12, 24, 40.5kV, 50/60Hz. Used together with sensor unit, it indicates the voltage presence status of high-voltage circuits. When used with disconnectors and grounding switches, it also enhances anti-misoperation performance of supporting products.

Warning: Indication of voltage presence indicating system alone is not sufficient to prove that the system is de-energized. If any doubt arises or if specified operating procedures require, voltage detector complying with DL740 should be used for check.

II. Applicable Standards

GB25081-2010	High-Voltage Presence Indicating System (VPIS)
IEC62271-213	High-Voltage Switchgear and Controlgear-Part 213: Voltage Detecting and Indicating System
IEC61958:2000	High-Voltage Prefabricated Switchgear and Controlgear Assemblies –Voltage Presence Indicating System
DL/T539-93	Technical Conditions for Condensation and Pollution Tests of Indoor AC High-Voltage Switchgear and Components

III. General Model Description for Voltage Presence Indicating System

DXN ① 8D ② - □ ③ / □ ④ S ⑤ K ⑥ □ ⑦ - 2F(3F) ⑧ - □ ⑨

① Indoor high-Voltage presence indicating system ② Designed serial number ③ Rated voltage level ④ Indicator type: T – Indication type indicator; Q – Locking type indicator ⑤ S indicates the indicator light flashes. (with low capacitance sensor) ⑥ K indicates indicator light deactivation switch available ⑦ Operating power supply voltage: A: AC/DC 110/220V; B: DC 48V; C: DC 24V; D: DC 24/48V ⑧ 2F: 2 groups of contact output; 3F: 3 groups of contact output; 4F: 4 groups of contact output ⑨ Bushing or sensor capacitance value (default compatible capacitance for standard product models is 20pF. For specific compatible bushing or sensor capacitance values, add the capacitance value after the model number)

IV. Voltage Presence Indicator (Sensor for Draw-type Switchgear) Compatible Capacitance Parameter Table (Table 1)

Voltage Level (kV)	7.2	12	24	40.5
Compatible Capacitance (pF)	150(±15)	115(±15)	80(±10)	45(±10)

V. Ordering Instructions

To meet your specific needs, all models support customization services. To ensure that custom products accurately match your application scenario, please provide the following key parameters when placing an order:

System primary voltage: Please specify voltage level of main circuit to which the equipment will be connected (e.g., 10kV, 35kV, etc.). Operating power supply voltage: Please specify voltage value of power supply (e.g., AC/DC 220V, 110V, etc.) of display. Compatible sensor capacitance: Please provide sensor capacitance value (e.g., 10pF, 35pF, etc.). Cutout dimensions: Please specify cutout size of mounting panel (length × width, in mm), e.g., 92mm × 44mm.

If you have special functional requirements (e.g., additional alarm, communication interface, etc.), please provide detailed explanations in the remarks section.

Important Notes: Missing parameters may lead to delays in customization; please provide complete information. For standard models without customization requirements, orders can be placed directly according to standard specifications in the catalog.

■Cutout size: 92×44mm (integral plug-in) series

Product Photo	Model	Operating Voltage (V)	Rear View Wiring Diagram	Remarks
	DXN8D-7.2~40.5/T1	/	Figure 2	Compatible capacitance for different voltage levels: see Table 1
	DXN8D-12/T1S-20pF	/	Figure 2	1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing
	DXN8D-7.2~40.5/Q3	AC/DC：220、DC110	Figure 3	Compatible capacitance for different voltage levels: see Table 1
	DXN8D-7.2~40.5/Q3-2F	AC/DC：220、DC110	Figure 4	
	DXN8D-7.2~40.5/Q3-3F	AC/DC：220、DC110	Figure 5	
	DXN8D-7.2~40.5/Q4	AC/DC：220、DC110	Figure 6	
	DXN8D-12/Q3S-20pF	AC/DC：220、DC110	Figure 3	1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing
	DXN8D-12/Q24S-20pF	DC24		
	DXN8D-12/Q48S-20pF	DC48		
	DXN8D-12/Q3S-2F-20pF	AC/DC：220、DC110	Figure 4	
	DXN8D-12/Q24S-2F-20pF	DC24		
	DXN8D-12/Q48S-2F-20pF	DC48		
	DXN8D-12/Q4S-20pF	AC/DC：220、DC110	Figure 6	

Outline and Mounting Hole Machining Dimension Diagram

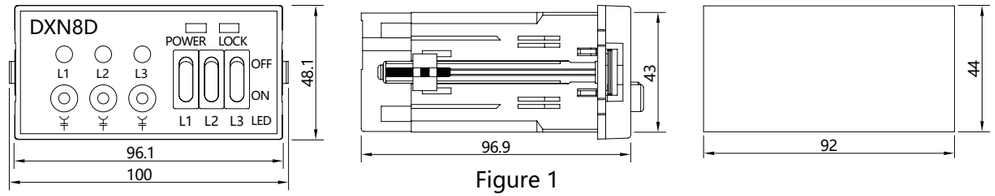


Figure 1

Rear View Wiring Diagram

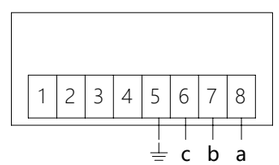


Figure 2

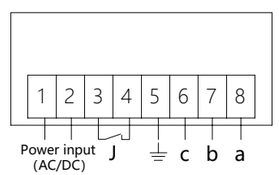


Figure 3

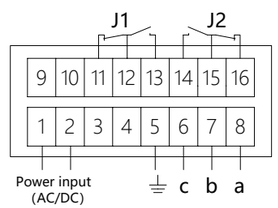


Figure 4

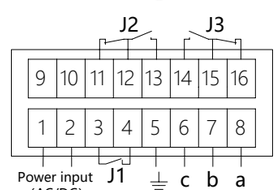


Figure 5

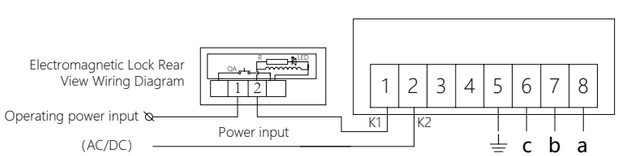


Figure 6

Cutout size: 92×44mm (integral plug-in, panel with grounding hole) series

Product Photo	Model	Operating Voltage (V)	Rear View Wiring Diagram	Remarks
	DXN8D-7.2~40.5/T1-J	/	Figure 2	Compatible capacitance for different voltage levels: see Table 1
	DXN8D-12/T1S-J-20pF	/	Figure 2	1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing
	DXN8D-7.2~40.5/Q3-J	AC/DC：220、DC110	Figure 3	Compatible capacitance for different voltage levels: see Table 1
	DXN8D-7.2~40.5/Q3-J-2F	AC/DC：220、DC110	Figure 4	
	DXN8D-7.2~40.5/Q3-J-3F	AC/DC：220、DC110	Figure 5	
	DXN8D-12/Q3S-J-20pF	AC/DC：220、DC110	Figure 3	1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing
	DXN8D-12/Q24S-J-20pF	DC24		
	DXN8D-12/Q48S-J-20pF	DC48		
	DXN8D-12/Q3S-2F-J-20pF	AC/DC：220、DC110	Figure 4	
	DXN8D-12/Q24S-2F-J-20pF	DC24		
	DXN8D-12/Q48S-2F-J-20pF	DC48		

Outline and Mounting Hole Machining Dimension Diagram

Figure 1

Rear View Wiring Diagram

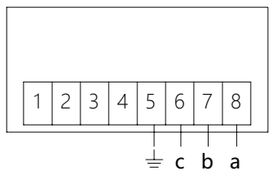


Figure 2

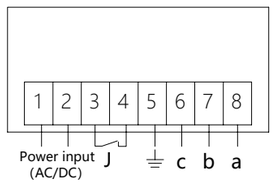


Figure 3

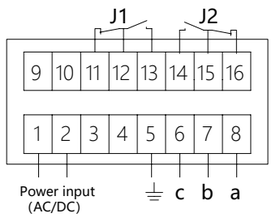


Figure 4

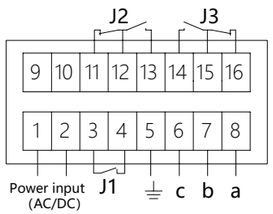


Figure 5

■Cutout size: 92×44mm (integral plug-in, with diagnosis) series

Product Photo	Model	Operating Voltage (V)	Rear View Wiring Diagram	Remarks
	DXN8D-7.2~40.5/T14	AC/DC：220、DC110	Figure 2	Compatible capacitance for different voltage levels: see Table 1
	DXN8D-7.2~40.5/T15	DC24、DC48		
	DXN8D-12/T14S-20pF	AC/DC：220、DC110	Figure 2	1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing
	DXN8D-12/T15S-20pF	DC24、DC48		
	DXN8D-7.2~40.5/Q14	AC/DC：220、DC110	Figure 3	Compatible capacitance for different voltage levels: see Table 1
	DXN8D-7.2~40.5/Q15	DC24、DC48		
	DXN8D-12/Q14S-20pF	AC/DC：220、DC110	Figure 3	1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing 3. -G: with fault alarm output 4. -RG: red/green dual-color indicator light
	DXN8D-12/Q15S-20pF	DC24、DC48		
	DXN8D-12/Q14S-2F-20pF	AC/DC：220、DC110	Figure 4	
	DXN8D-12/Q15S-2F-20pF	DC24、DC48		
	DXN8D-12/Q14S-3F-20pF	AC/DC：220、DC110	Figure 5	
	DXN8D-12/Q15S-3F-20pF	DC24、DC48		
	DXN8D-12/Q14S-4F-G-20pF	AC/DC：220、DC110	Figure 6	
	DXN8D-12/Q15S-4F-G-20pF	DC24、DC48		
	DXN8D-12/Q14S-RG-20pF	AC/DC：220、DC110	Figure 3	
	DXN8D-12/Q15S-RG-20pF	DC24、DC48		
	DXN8D-12/Q14S-2F-RG-20pF	AC/DC：220、DC110	Figure 4	
	DXN8D-12/Q15S-2F-RG-20pF	DC24、DC48		

Outline and Mounting Hole Machining Dimension Diagram

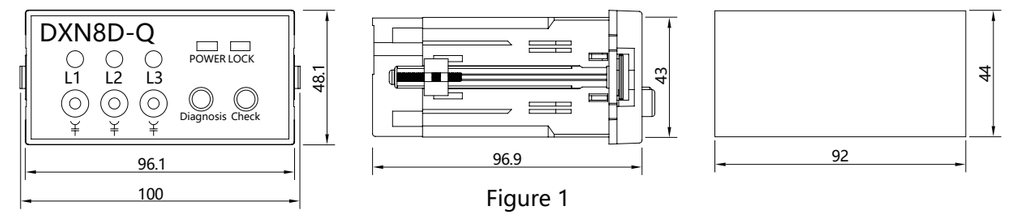


Figure 1

Rear View Wiring Diagram

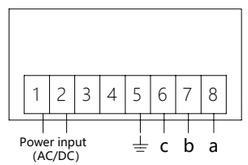


Figure 2

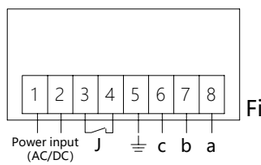


Figure 3

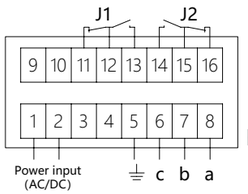


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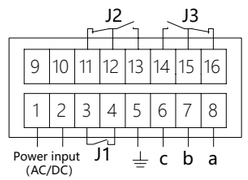


Figure 5

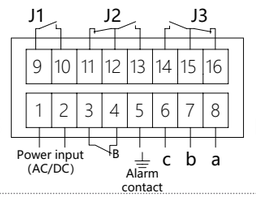


Figure 6

■Cutout size: 92×44mm (integral plug-in, with diagnosis) series

Product Photo	Model	Operating Voltage (V)	Rear View Wiring Diagram	Remarks
	DXN8D-7.2~40.5/T12A	AC/DC：220、DC110	Figure 2	Compatible capacitance for different voltage levels: see Table 1
	DXN8D-7.2~40.5/T12D	DC24、DC48		
	DXN8D-12/T12SA-20pF	AC/DC：220、DC110	Figure 2	1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing
	DXN8D-12/T12SD-20pF	DC24、DC48		
	DXN8D-7.2~40.5/Q12A	AC/DC：220、DC110	Figure 3	Compatible capacitance for different voltage levels: see Table 1
	DXN8D-7.2~40.5/Q12D	DC24、DC48		
	DXN8D-7.2~40.5/Q12A-2F	AC/DC：220、DC110	Figure 4	
	DXN8D-7.2~40.5/Q12D-2F	DC24、DC48		
	DXN8D-7.2~40.5/Q12A-3F	AC/DC：220、DC110	Figure 5	
	DXN8D-7.2~40.5/Q12D-3F	DC24、DC48		
	DXN8D-12/Q12SA-20pF	AC/DC：220、DC110	Figure 3	1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing 3. -G: with fault alarm output
	DXN8D-12/Q12SD-2pF	DC24、DC48		
	DXN8D-12/Q12SA-2F-20pF	AC/DC：220、DC110	Figure 4	
	DXN8D-12/Q12SD-2F-20pF	DC24、DC48		
	DXN8D-12/Q12SA-3F-20pF	AC/DC：220、DC110	Figure 5	
	DXN8D-12/Q12SD-3F-20pF	DC24、DC48		
	DXN8D-12/Q12SA-4F-G-20pF	AC/DC：220、DC110	Figure 6	
	DXN8D-12/Q12SD-4F-G-20pF	DC24、DC48		

Outline and Mounting Hole Machining Dimension Diagram

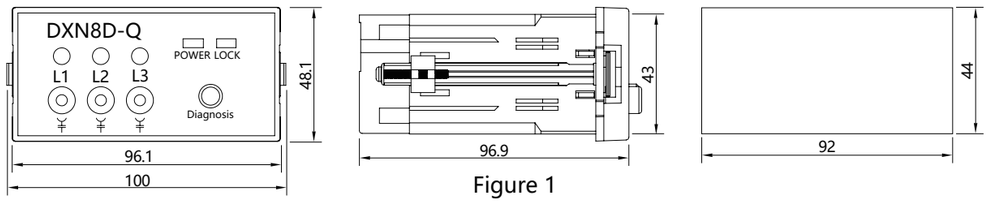
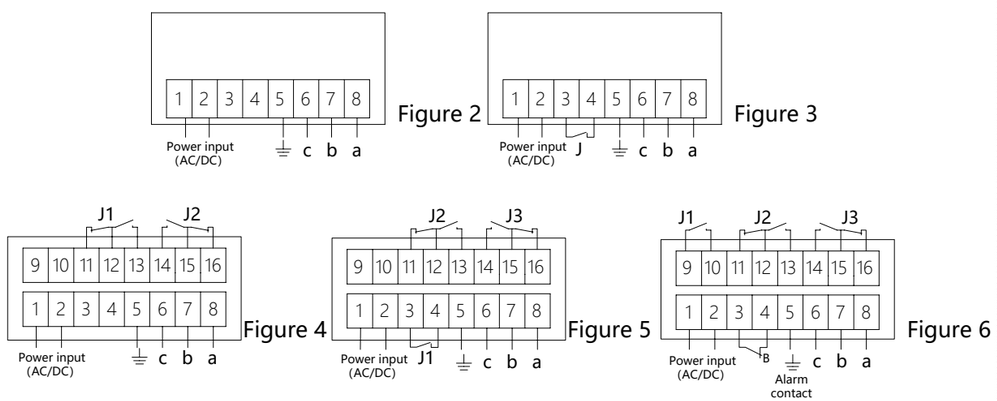


Figure 1

Rear View Wiring Diagram



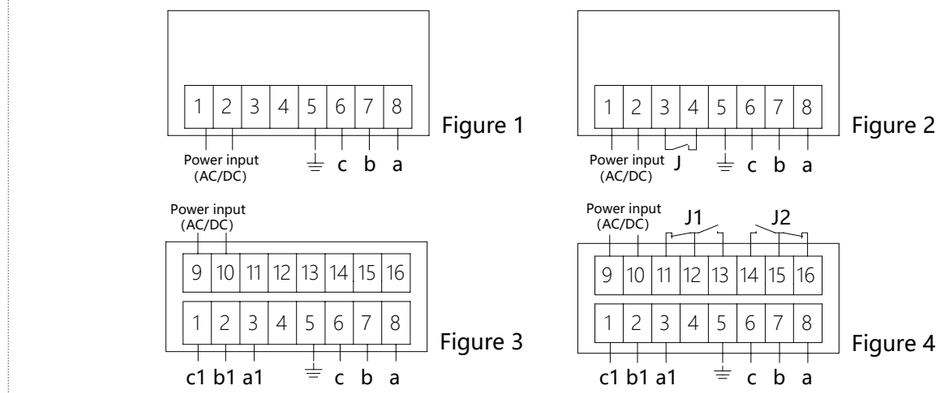
■Cutout size: 92×44mm (integral plug-in, with diagnosis, one-drive-two configuration) series

Product Photo	Model	Operating Voltage (V)	Rear View Wiring Diagram	Remarks
	DXN8D-7.2~40.5/T14-2 parallel one-drive-two	AC/DC：220、DC110	Figure 1	1. Compatible capacitance for different voltage levels: see Table 1 2. -2: parallel one-drive-two 3. -2C: series one-drive-two
	DXN8D-7.2~40.5/T15-2 parallel one-drive-two	DC24、DC48		
	DXN8D-7.2~40.5/T14-2C series one-drive-two	AC/DC：220、DC110	Figure 3	
	DXN8D-7.2~40.5/T15-2C series one-drive-two	DC24、DC48		
	DXN8D-7.2~40.5/Q14-2 parallel one-drive-two	AC/DC：220、DC110	Figure 2	
	DXN8D-7.2~40.5/Q15-2 parallel one-drive-two	DC24、DC48		
	DXN8D-7.2~40.5/Q14-2C series one-drive-two	AC/DC：220、DC110	Figure 4	
	DXN8D-7.2~40.5/Q15-2C series one-drive-two	DC24、DC48		

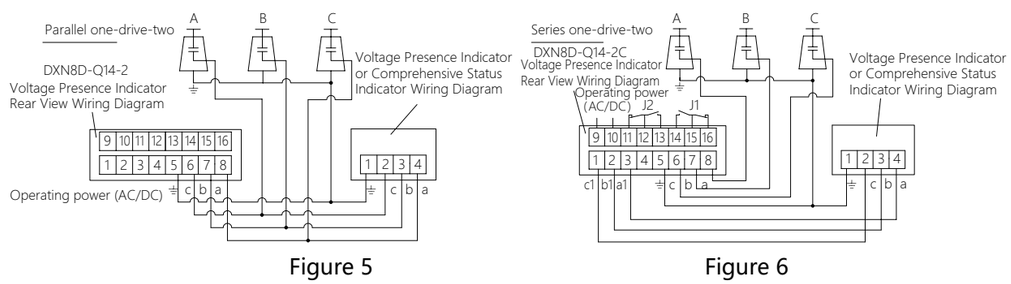
Outline and Mounting Hole Machining Dimension Diagram

Outline and mounting hole machining dimensions – same as 92×44mm (integral plug-in, with diagnosis) series

Rear View Wiring Diagram



"One-drive-two" voltage presence indicator, sensor, and supporting connection diagram



■Cutout size: 92×44mm (integral plug-in, with open-phase alarm) series

Product Photo	Model	Operating Voltage (V)	Rear View Wiring Diagram	Remarks
	DXN8D-7.2~40.5/Q19A	AC/DC：220、DC110	Figure 2	Compatible capacitance: see Table 1
	DXN8D-7.2~40.5/Q19D	DC24、DC48		
	DXN8D-12/Q19SA-20pF	AC/DC：220、DC110		1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing
	DXN8D-12/Q19SD-20pF	DC24、DC48		

■Cutout size: 92×44mm (integral plug-in, with 485 communication) series

Product Photo	Model	Operating Voltage (V)	Rear View Wiring Diagram	Remarks
	DXN8D-7.2~40.5/Q3-2F-R	AC/DC：220、DC110	Figure 3	Compatible capacitance: see Table 1
	DXN8D-12/Q3S-2F-R-20pF	DC24、DC48		1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing 3. -R: with 485 communication
	DXN8D-12/Q24S-2F-R-20pF	AC/DC：220、DC110		
	DXN8D-12/Q48S-2F-R-20pF	DC24、DC48		

Outline and Mounting Hole Machining Dimension Diagram

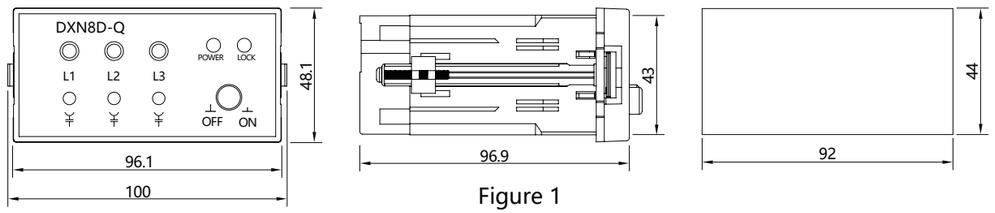


Figure 1

Rear View Wiring Diagram

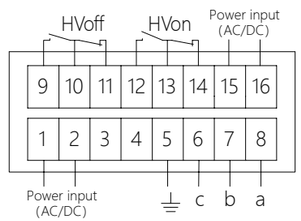


Figure 2

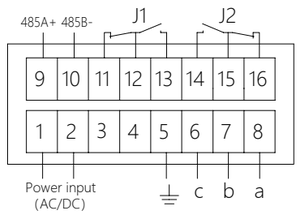


Figure 3

■Cutout size: 92×44mm (integral plug-in, IP54) series

Product Photo	Model	Operating Voltage (V)	Rear View Wiring Diagram	Remarks
	DXN8D-7.2-40.5/T58	/	Figure 2	Compatible capacitance for different voltage levels: see Table 1
	DXN8D-7.2-40.5/Q58A	AC/DC：220、DC110	Figure 3	
	DXN8D-7.2-40.5/Q58A-2F	AC/DC：220、DC110	Figure 4	
	DXN8D-7.2-40.5/Q58A-3F	AC/DC：220、DC110	Figure 5	
	DXN8D-12/T58S-20pF	/	Figure 2	1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing
	DXN8D-12/Q58SA-20pF	AC/DC：220、DC110	Figure 3	
	DXN8D-12/Q58SA-2F-20pF	AC/DC：220、DC110	Figure 4	
	DXN8D-12/Q58SA-3F-20pF	AC/DC：220、DC110	Figure 5	
	DXN8D-12/Q58SB-20pF	DC48	Figure 3	
	DXN8D-12/Q58SC-20pF	DC24	Figure 3	
	DXN8D-7.2-40.5/T58K	/	Figure 2	Compatible capacitance for different voltage levels: see Table 1
	DXN8D-7.2-40.5/Q58KA	AC/DC：220、DC110	Figure 3	
	DXN8D-7.2-40.5/Q58KA-2F	AC/DC：220、DC110	Figure 4	
	DXN8D-7.2-40.5/Q58KA-3F	AC/DC：220、DC110	Figure 5	
	DXN8D-12/T58SK-20pF	/	Figure 2	1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing
	DXN8D-12/Q58SKA-20pF	AC/DC：220、DC110	Figure 3	
	DXN8D-12/Q58SKA-2F-20pF	AC/DC：220、DC110	Figure 4	
	DXN8D-12/Q58SKA-3F-20pF	AC/DC：220、DC110	Figure 5	
	DXN8D-12/Q58SKB-20pF	DC48	Figure 3	
	DXN8D-12/Q58S KC-20pF	DC24	Figure 3	

Outline and Mounting Hole Machining Dimension Diagram

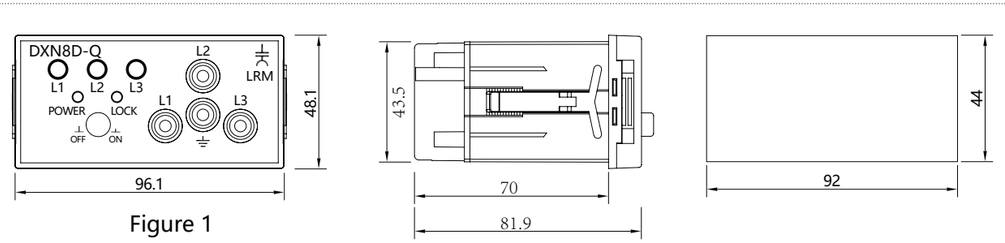


Figure 1

Rear View Wiring Diagram

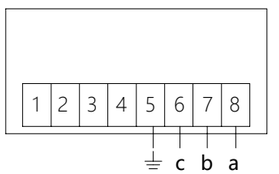


Figure 2

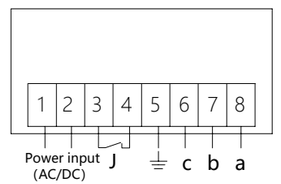


Figure 3

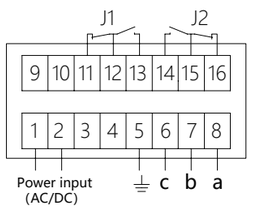


Figure 4

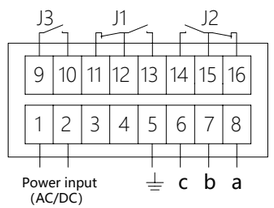


Figure 5

■Cutout size: 92×44mm (integral plug-in, IP54, with diagnosis) series

Product Photo	Model	Operating Voltage (V)	Rear View Wiring Diagram	Remarks
	DXN8D-7.2-40.5/T54A	AC/DC：220、DC110	Figure 2	Compatible capacitance for different voltage levels: see Table 1
	DXN8D-7.2-40.5/T54D	DC48、DC24	Figure 2	
	DXN8D-7.2-40.5/Q54A	AC/DC：220、DC110	Figure 3	
	DXN8D-7.2-40.5/Q54D	DC48、DC24	Figure 3	
	DXN8D-7.2-40.5/Q54A-2F	AC/DC：220、DC110	Figure 4	
	DXN8D-7.2-40.5/Q54D-2F	DC48、DC24	Figure 4	
	DXN8D-7.2-40.5/Q54A-3F	AC/DC：220、DC110	Figure 5	
	DXN8D-7.2-40.5/Q54D-3F	DC48、DC24	Figure 5	
	DXN8D-12/T54SA-20pF	AC/DC：220、DC110	Figure 2	1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing
	DXN8D-12/T54SD-20pF	DC48、DC24	Figure 2	
	DXN8D-12/Q54SA-20pF	AC/DC：220、DC110	Figure 3	
	DXN8D-12/Q54SD-20pF	DC48、DC24	Figure 3	
	DXN8D-12/Q54SA-2F-20pF	AC/DC：220、DC110	Figure 4	
	DXN8D-12/Q54SD-2F-20pF	DC48、DC24	Figure 4	
	DXN8D-12/Q54SA-3F-20pF	AC/DC：220、DC110	Figure 5	
	DXN8D-12/Q54SD-3F-20pF	DC48、DC24	Figure 5	

Outline and Mounting Hole Machining Dimension Diagram

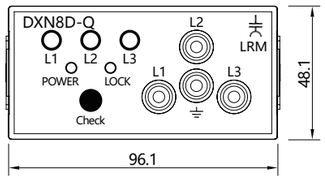
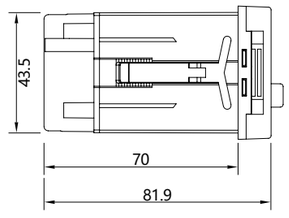
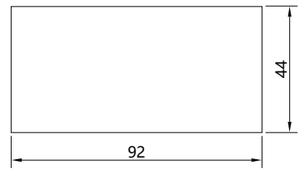


Figure 1





Rear View Wiring Diagram

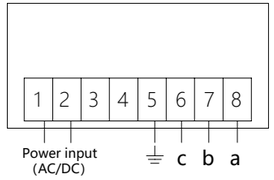


Figure 2

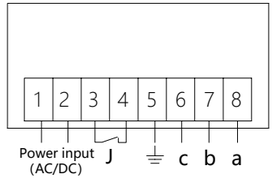


Figure 3

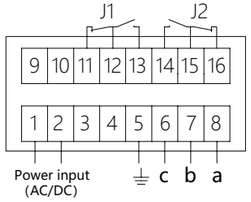


Figure 4

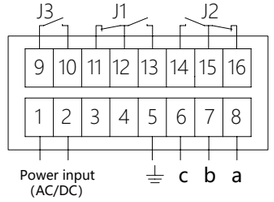


Figure 5

■Cutout size: 92×44mm (integral plug-in, IP54, with diagnosis) series

Product Photo	Model	Operating Voltage (V)	Rear View Wiring Diagram	Remarks
	DXN8D-7.2-40.5/T55A	AC/DC：220、DC110	Figure 2	Compatible capacitance for different voltage levels: see Table 1
	DXN8D-7.2-40.5/T55D	DC48、DC24	Figure 2	
	DXN8D-7.2-40.5/Q55A	AC/DC：220、DC110	Figure 3	
	DXN8D-7.2-40.5/Q55D	DC48、DC24	Figure 3	
	DXN8D-7.2-40.5/Q55A-2F	AC/DC：220、DC110	Figure 4	
	DXN8D-7.2-40.5/Q55D-2F	DC48、DC24	Figure 4	
	DXN8D-7.2-40.5/Q55A-3F	AC/DC：220、DC110	Figure 5	
	DXN8D-7.2-40.5/Q55D-3F	DC48、DC24	Figure 5	
	DXN8D-12/T55SA-20pF	AC/DC：220、DC110	Figure 2	1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing
	DXN8D-12/T55SD-20pF	DC48、DC24	Figure 2	
	DXN8D-12/Q55SA-20pF	AC/DC：220、DC110	Figure 3	
	DXN8D-12/Q55SD-20pF	DC48、DC24	Figure 3	
	DXN8D-12/Q55SA-2F-20pF	AC/DC：220、DC110	Figure 4	
	DXN8D-12/Q55SD-2F-20pF	DC48、DC24	Figure 4	
	DXN8D-12/Q55SA-3F-20pF	AC/DC：220、DC110	Figure 5	
	DXN8D-12/Q55SD-3F-20pF	DC48、DC24	Figure 5	

Outline and Mounting Hole Machining Dimension Diagram

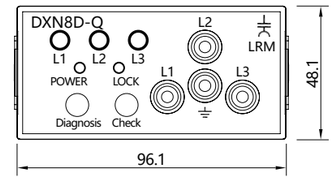
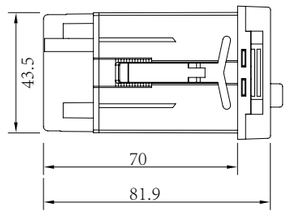
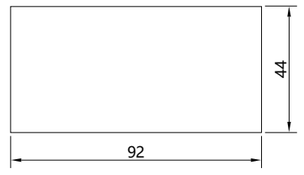


Figure 1





Rear View Wiring Diagram

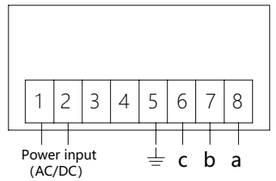


Figure 2

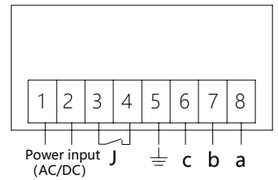


Figure 3

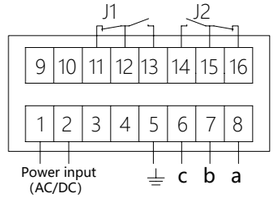


Figure 4

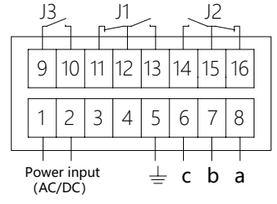


Figure 5

■Cutout size: 92×44mm (integral plug-in, lamp plug-in) series

Product Photo	Model	Operating Voltage (V)	Rear View Wiring Diagram	Remarks
	DXN8D-7.2-40.5/T22	/	Figure 2	Compatible capacitance for different voltage levels: see Table 1
	DXN8D-7.2-40.5/Q22A	AC/DC：220、DC110	Figure 3	
	DXN8D-7.2-40.5/Q22B	DC48	Figure 3	
	DXN8D-7.2-40.5/Q22C	DC24	Figure 3	
	DXN8D-7.2-40.5/Q22D	DC48、DC24	Figure 3	
	DXN8D-12/T22S-20pF	/	Figure 2	1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing
	DXN8D-12/Q22SA-20pF	AC/DC：220、DC110	Figure 3	
	DXN8D-12/Q22SB-20pF	DC48	Figure 3	
	DXN8D-12/Q22SC-20pF	DC24	Figure 3	
	DXN8D-12/Q22SD-20pF	DC48、DC24	Figure 3	
	DXN8D-12/Q22S-JK-20pF （To be used with passive electromagnetic lock）	/	Figure 4	

Outline and Mounting Hole Machining Dimension Diagram

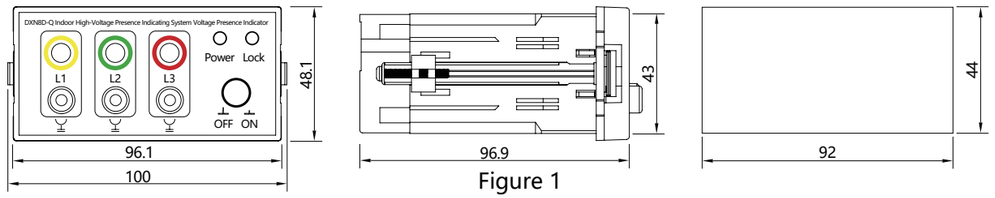


Figure 1

Rear View Wiring Diagram

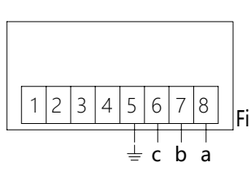


Figure 2

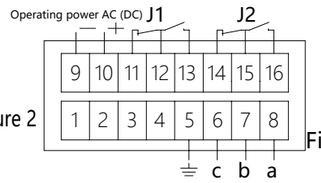


Figure 3

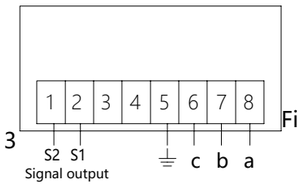
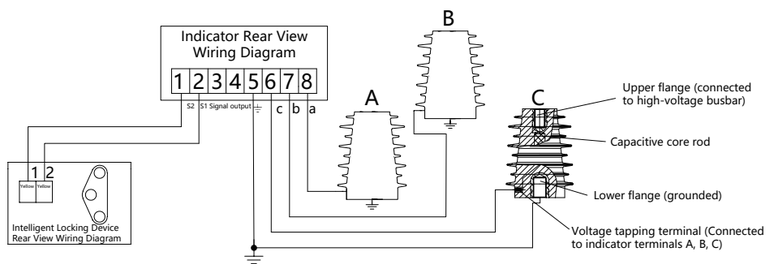


Figure 4

DXN8D-12/Q22S-JK Voltage Presence Indicator, Sensor ax, and Intelligent Locking Device Connection Diagram



■Cutout size: 92×44mm (integral plug-in, lamp plug-in, with diagnosis) series

Product Photo	Model	Operating Voltage (V)	Rear View Wiring Diagram	Remarks
	DXN8D-7.2-40.5/T28A	AC/DC：220、DC110	Figure 2	Compatible capacitance for different voltage levels: see Table 1
	DXN8D-7.2-40.5/T28D	DC48、DC24	Figure 2	
	DXN8D-7.2-40.5/Q28A	AC/DC：220、DC110	Figure 3	
	DXN8D-7.2-40.5/Q28D	DC48、DC24	Figure 3	
	DXN8D-7.2-40.5/Q28A-3F	AC/DC：220、DC110	Figure 4	
	DXN8D-7.2-40.5/Q28D-3F	DC48、DC24	Figure 4	
	DXN8D-12/T28SA-20pF	AC/DC：220、DC110	Figure 2	1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing
	DXN8D-12/T28SD-20pF	DC48、DC24	Figure 2	
	DXN8D-12/Q28SA-20pF	AC/DC：220、DC110	Figure 3	
	DXN8D-12/Q28SD-20pF	DC48、DC24	Figure 3	
	DXN8D-12/Q28SA-3F-20pF	AC/DC：220、DC110	Figure 4	
	DXN8D-12/Q28SD-3F-20pF	DC48、DC24	Figure 4	

Outline and Mounting Hole Machining Dimension Diagram

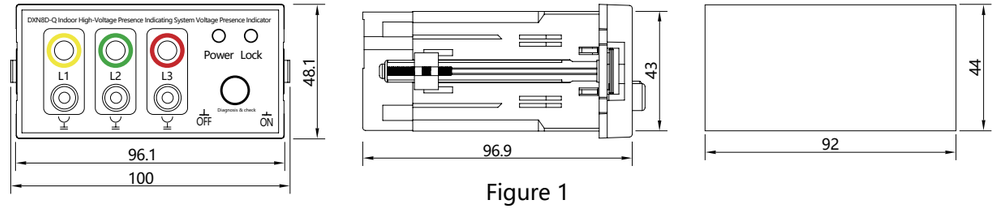


Figure 1

Rear View Wiring Diagram

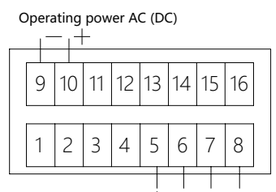


Figure 2

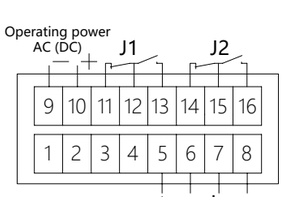


Figure 3

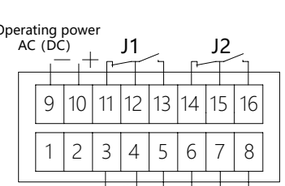


Figure 4

■Cutout size: 92×44mm (lamp plug-in) series

Product Photo	Model	Operating Voltage (V)	Rear View Wiring Diagram	Remarks
	DXN8D-7.2-40.5/T20	/	Figure 2	Compatible capacitance for different voltage levels: see Table 1
	DXN8D-7.2-40.5/Q20A	AC/DC：220、DC110	Figure 3	
	DXN8D-7.2-40.5/Q20B	DC48	Figure 3	
	DXN8D-7.2-40.5/Q20C	DC24	Figure 3	
	DXN8D-7.2-40.5/Q20D	DC48、DC24	Figure 3	
	DXN8D-12/T20S-20pF	/	Figure 2	1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing
	DXN8D-12/Q20SA-20pF	AC/DC：220、DC110	Figure 3	
	DXN8D-12/Q20SB-20pF	DC48	Figure 3	
	DXN8D-12/Q20SC-20pF	DC24	Figure 3	
	DXN8D-12/Q20SD-20pF	DC48、DC24	Figure 3	

Outline and Mounting Hole Machining Dimension Diagram

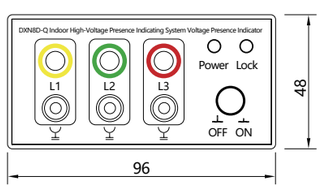
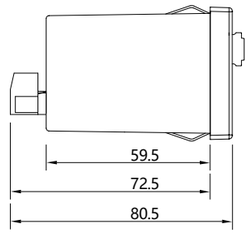
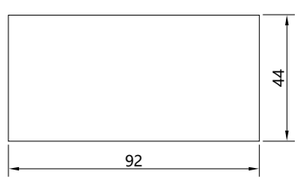


Figure 1





Rear View Wiring Diagram

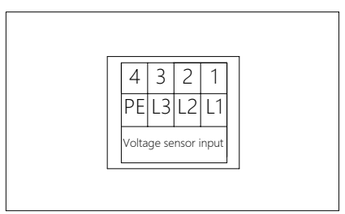
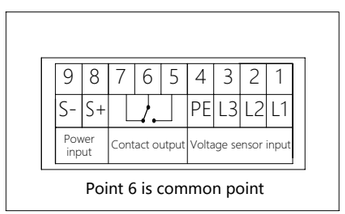


Figure 2



Point 6 is common point

Figure 3

■Cutout size: 92×44mm (fixed) series

Product Photo	Model	Operating Voltage (V)	Rear View Wiring Diagram	Remarks
	DXN8D-7.2-40.5/T30K-X	/	Figure 2	Compatible capacitance for different voltage levels: see Table 1
	DXN8D-7.2-40.5/Q30KA-X	AC/DC：220、DC110	Figure 3	
	DXN8D-7.2-40.5/Q30KB-X	DC48	Figure 3	
	DXN8D-7.2-40.5/Q30KC-X	DC24	Figure 3	
	DXN8D-7.2-40.5/Q30KD-X	DC48、DC24	Figure 3	
	DXN8D-12/T30SK-X-20pF	/	Figure 2	1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing
	DXN8D-12/Q30SKA-X-20pF	AC/DC：220、DC110	Figure 3	
	DXN8D-12/Q30SKB-X-20pF	DC48	Figure 3	
	DXN8D-12/Q30SKC-X-20pF	DC24	Figure 3	
	DXN8D-12/Q30SKD-X-20pF	DC48、DC24	Figure 3	
	DXN8D-12/Q30SKA -2F-X-20pF	AC/DC：220、DC110	Figure 4	
	DXN8D-12/Q30SKD -2F-X-20pF	DC48、DC24	Figure 4	
	DXN8D-7.2-40.5/T30K	/	Figure 5	Compatible capacitance for different voltage levels: see Table 1
	DXN8D-7.2-40.5/Q30KA	AC/DC：220、DC110	Figure 6	
	DXN8D-7.2-40.5/Q30KB	DC48	Figure 6	
	DXN8D-7.2-40.5/Q30KC	DC24	Figure 6	
	DXN8D-7.2-40.5/Q30KD	DC48、DC24	Figure 6	
	DXN8D-12/T30SK-20pF	/	Figure 5	1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing
	DXN8D-12/Q30SKA-20pF	AC/DC：220、DC110	Figure 6	
	DXN8D-12/Q30SKB-20pF	DC48	Figure 6	
	DXN8D-12/Q30SKC-20pF	DC24	Figure 6	
	DXN8D-12/Q30SKD-20pF	DC48、DC24	Figure 6	

Outline and Mounting Hole Machining Dimension Diagram

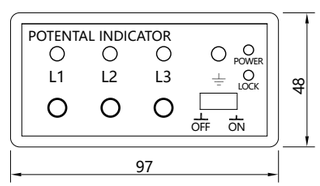
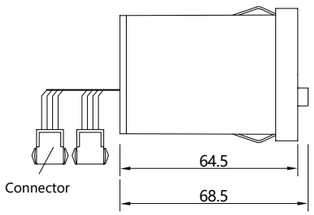
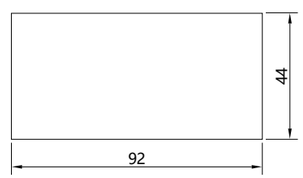


Figure 1





Rear View Wiring Diagram

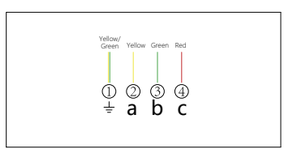


Figure 2

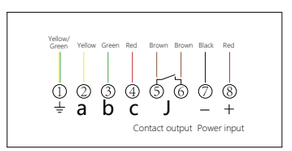


Figure 3

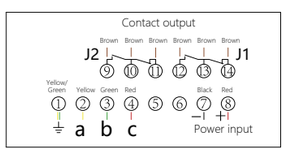


Figure 4

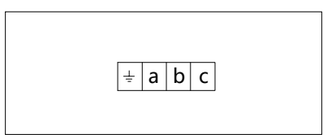


Figure 5

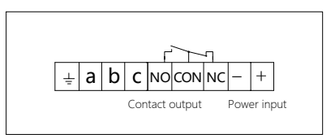


Figure 6

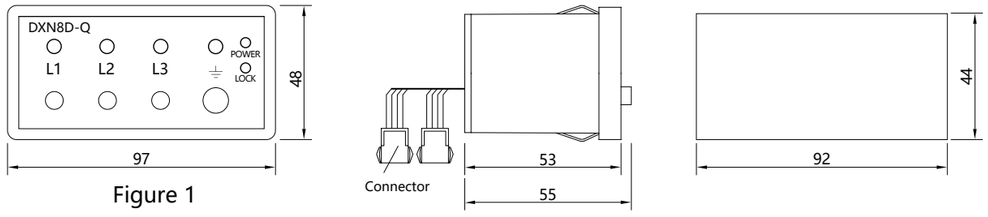
■Cutout size: 92×44mm (fixed, fully sealed) series

Product Photo	Model	Operating Voltage (V)	Rear View Wiring Diagram	Remarks
	DXN8D-12/T32SK-X-20pF	/	Figure 2	1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing
	DXN8D-12/Q32SKA-X-20pF	AC/DC：220、DC110	Figure 3	
	DXN8D-12/Q32SKD-X-20pF	DC48、DC24	Figure 3	

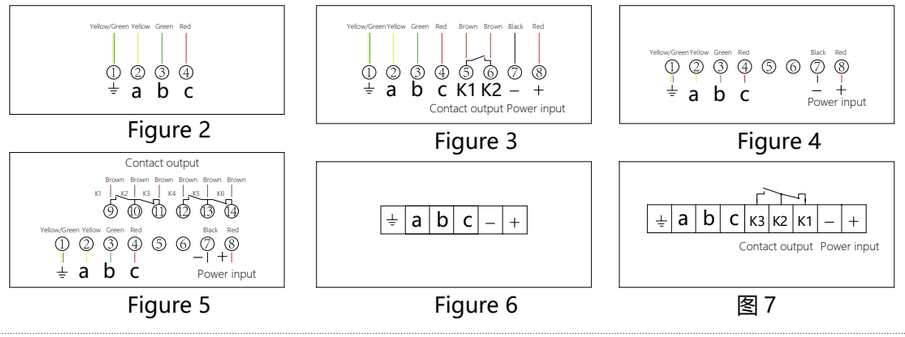
■Cutout size: 92×44mm (Fixed type, with diagnosis) series

Product Photo	Model	Operating Voltage (V)	Rear View Wiring Diagram	Remarks
	DXN8D-7.2 ~ 40.5/T34A-X	AC/DC：220、DC110	Figure 4	Compatible capacitance for different voltage levels: see Table 1
	DXN8D-7.2 ~ 40.5/Q34A-X	AC/DC：220、DC110	Figure 3	
	DXN8D-12/T34SA-X-20pF	AC/DC：220、DC110	Figure 4	1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing
	DXN8D-12/T34SD-X-20pF	DC48、DC24	Figure 4	
	DXN8D-12/Q34SA-X-20pF	AC/DC：220、DC110	Figure 3	
	DXN8D-12/Q34SD-X-20pF	DC48、DC24	Figure 3	
	DXN8D-12/Q34SA-2F-X-20pF	AC/DC：220、DC110	Figure 5	
	DXN8D-12/Q34SD-2F-X-20pF	DC48、DC24	Figure 5	
	DXN8D-7.2 ~ 40.5/T34A	AC/DC：220、DC110	Figure 6	Compatible capacitance for different voltage levels: see Table 1
	DXN8D-7.2 ~ 40.5/Q34A	AC/DC：220、DC110	Figure 7	
	DXN8D-12/T34SA-20pF	AC/DC：220、DC110	Figure 6	1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing
	DXN8D-12/T34SD-20pF	DC48、DC24	Figure 6	
	DXN8D-12/Q34SA-20pF	AC/DC：220、DC110	Figure 7	
	DXN8D-12/Q34SD-20pF	DC48、DC24	Figure 7	

Outline and Mounting Hole Machining Dimension Diagram



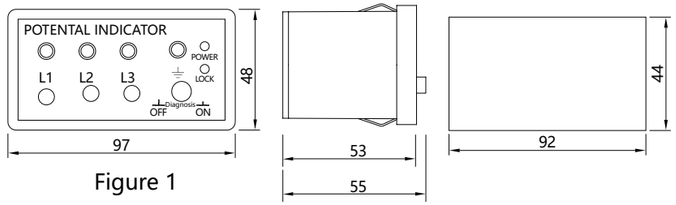
Rear View Wiring Diagram



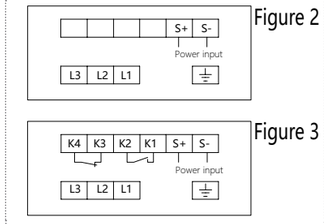
■Cutout size: 92×44mm (with diagnosis, fully sealed) series

Product Photo	Model	Operating Voltage (V)	Rear View Wiring Diagram	Remarks
	DXN8D-12/T36SA-20pF	AC/DC：220、DC110	Figure 2	1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing
	DXN8D-12/T36SD-20pF	DC48、DC24	Figure 2	
	DXN8D-12/Q36SA-20pF	AC/DC：220、DC110	Figure 3	
	DXN8D-12/Q36SD-20pF	DC48、DC24	Figure 3	

Outline and Mounting Hole Machining Dimension Diagram



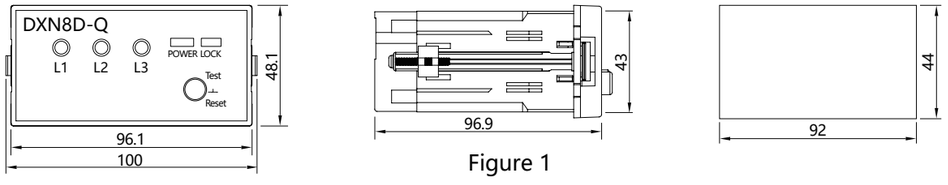
Rear View Wiring Diagram



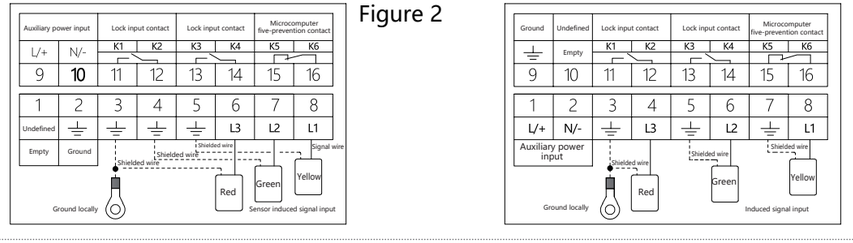
■Cutout size: 92×44mm (integral plug-in, inductive) series

Product Photo	Model	Operating Voltage (V)	Rear View Wiring Diagram	Remarks
	DXN8D-12/Q60A	AC/DC：220、DC110	Figure 2	1. Matching sensors available in square and round types; please specify when ordering. 2. Indicate the length of matching sensor cable.
	DXN8D-40.5/Q60A	AC/DC：220、DC110	Figure 2	
	DXN8D-12/Q60A (independent grounding)	AC/DC：220、DC110	Figure 3	
	DXN8D-40.5/Q60A (independent grounding)	AC/DC：220、DC110	Figure 3	

Outline and Mounting Hole Machining Dimension Diagram



Rear View Wiring Diagram



■Cutout size: 100x70mm series

Product Photo	Model	Operating Voltage (V)	Rear View Wiring Diagram	Remarks
	DXN8D-7.2-40.5/T3	/	Figure 2	1. Compatible capacitance for different voltage levels: see Table 1 2. H indicates phase comparison port available. 3. K indicates indicator light deactivation switch available.
	DXN8D-7.2-40.5/Q7	AC/DC：220、DC110	Figure 3	
	DXN8D-7.2-40.5/Q8	AC/DC：220、DC110	Figure 4	
	DXN8D-7.2-40.5/T3K	/	Figure 2	
	DXN8D-7.2-40.5/Q7K	AC/DC：220、DC110	Figure 3	
	DXN8D-7.2-40.5/Q8K	AC/DC：220、DC110	Figure 4	
	DXN8D-7.2-40.5/T3H	/	Figure 2	
	DXN8D-7.2-40.5/Q7H	AC/DC：220、DC110	Figure 3	
	DXN8D-7.2-40.5/Q8H	AC/DC：220、DC110	Figure 4	
	DXN8D-7.2-40.5/T3KH	/	Figure 2	
	DXN8D-7.2-40.5/Q7KH	AC/DC：220、DC110	Figure 3	
	DXN8D-7.2-40.5/Q8KH	AC/DC：220、DC110	Figure 4	

Outline and Mounting Hole Machining Dimension Diagram

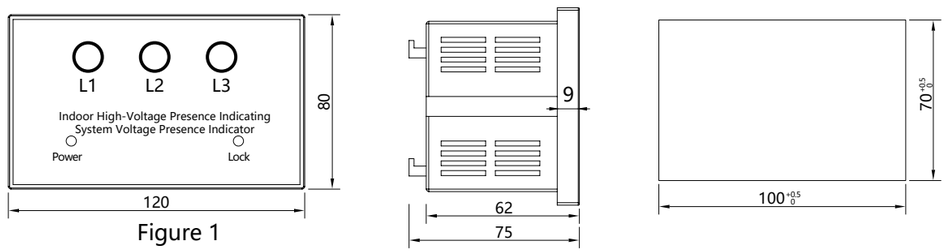
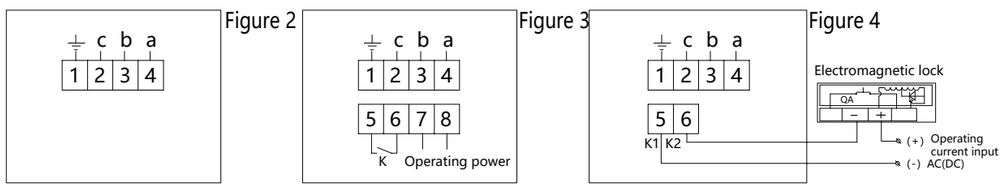


Figure 1

Rear View Wiring Diagram



■Cutout size: 100x70mm series

Product Photo	Model	Operating Voltage (V)	Rear View Wiring Diagram	Remarks
	DXN8D-7.2-40.5/T3-L	/	Figure 2	1. Compatible capacitance for different voltage levels: see Table 1 2. H indicates phase comparison port available. 3. K indicates indicator light deactivation switch available.
	DXN8D-7.2-40.5/Q7-L	AC/DC：220、DC110	Figure 3	
	DXN8D-7.2-40.5/Q8-L	AC/DC：220、DC110	Figure 4	
	DXN8D-7.2-40.5/T3K-L	/	Figure 2	
	DXN8D-7.2-40.5/Q7K-L	AC/DC：220、DC110	Figure 3	
	DXN8D-7.2-40.5/Q8K-L	AC/DC：220、DC110	Figure 4	
	DXN8D-7.2-40.5/T3H-L	/	Figure 2	
	DXN8D-7.2-40.5/Q7H-L	AC/DC：220、DC110	Figure 3	
	DXN8D-7.2-40.5/Q8H-L	AC/DC：220、DC110	Figure 4	
	DXN8D-7.2-40.5/T3KH-L	/	Figure 2	
	DXN8D-7.2-40.5/Q7KH-L	AC/DC：220、DC110	Figure 3	
	DXN8D-7.2-40.5/Q8KH-L	AC/DC：220、DC110	Figure 4	

Outline and Mounting Hole Machining Dimension Diagram

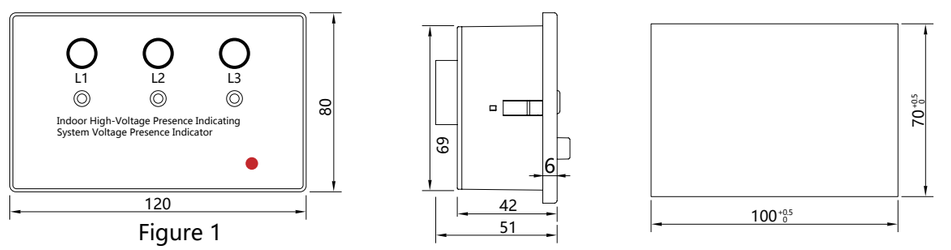
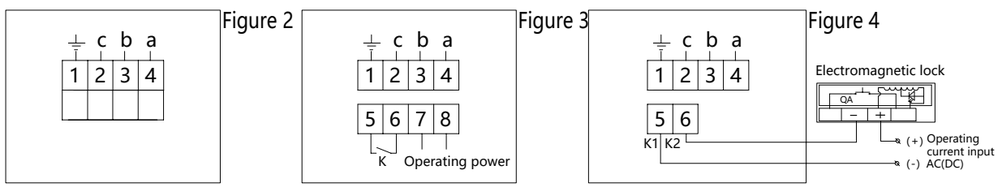


Figure 1

Rear View Wiring Diagram



■Cutout size: 100x70mm (lamp plug-in) series

Product Photo	Model	Operating Voltage (V)	Rear View Wiring Diagram	Remarks
	DXN8D-7.2-40.5/T10	/	Figure 2	1. Compatible capacitance for different voltage levels: see Table 1 2. H indicates phase comparison port available. 3. K indicates indicator light deactivation switch available.
	DXN8D-7.2-40.5/Q10	AC/DC：220、DC110	Figure 3	
	DXN8D-7.2-40.5/T10H	/	Figure 2	
	DXN8D-7.2-40.5/Q10H	AC/DC：220、DC110	Figure 3	
	DXN8D-7.2-40.5/T10K	/	Figure 2	
	DXN8D-7.2-40.5/Q10K	AC/DC：220、DC110	Figure 3	

Outline and Mounting Hole Machining Dimension Diagram

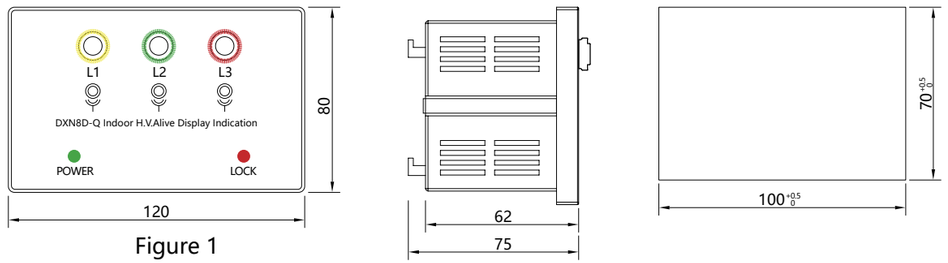


Figure 1

Rear View Wiring Diagram

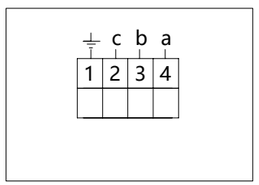


Figure 2

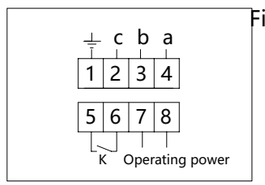


Figure 3

■Cutout dimensions: 100x70mm (with diagnosis) series

Product Photo	Model	Operating Voltage (V)	Rear View Wiring Diagram	Remarks
	DXN8D-7.2-40.5/T18	AC/DC：220、DC110	Figure 2	Compatible capacitance for different voltage levels: see Table 1
	DXN8D-7.2-40.5/Q18	AC/DC：220、DC110	Figure 3	
	DXN8D-7.2-40.5/Q18-2F	AC/DC：220、DC110	Figure 4	

Outline and Mounting Hole Machining Dimension Diagram

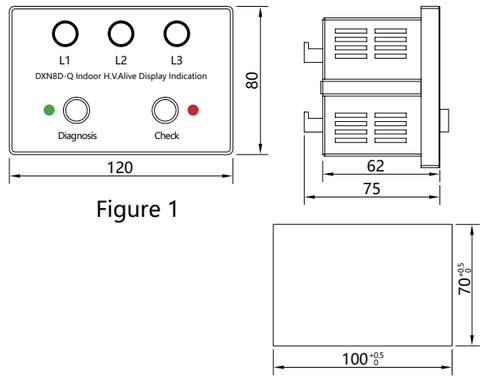


Figure 1

Rear View Wiring Diagram

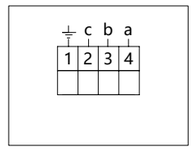


Figure 2

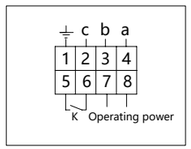


Figure 3

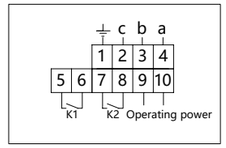


Figure 4

■Cutout dimensions: 100x70mm (inductive) series

Product Photo	Model	Operating Voltage (V)	Rear View Wiring Diagram	Remarks
	DXN8D-12/Q70A	AC/DC：220、DC110	Figure 2	1. Matching sensors available in square and round types; please specify when ordering. 2. Indicate the length of matching sensor cable.
	DXN8D-40.5/Q70A	AC/DC：220、DC110	Figure 2	

Outline and Mounting Hole Machining Dimension Diagram

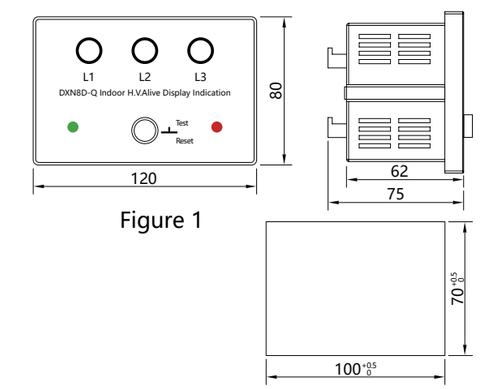


Figure 1

Rear View Wiring Diagram

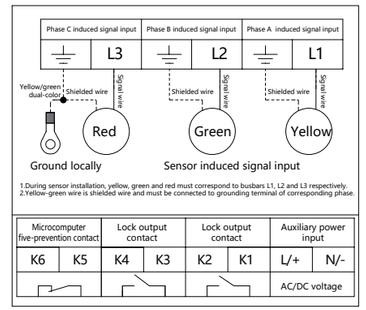
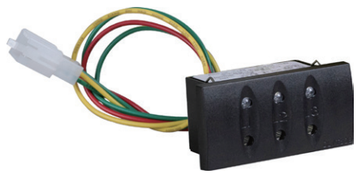


Figure 2

■Cutout size: 54×32mm series

Product Photo	Model	Outline drawing	Rear View Wiring Diagram	Remarks
	DXN8D-7.2-40.5/T4	Figure 1	Figure 5	Compatible capacitance for different voltage levels: see Table 1
	DXN8D-12/T4S-20pF			1. Standard product compatible capacitance: 20±2pF. 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing.
	DXN8D-7.2-40.5/T4(K)	Figure 2	Figure 5	Compatible capacitance for different voltage levels: see Table 1
	DXN8D-12/T4S(K)-20pF			1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing 3. Mounting method: spring clip
	DXN8D-7.2-40.5/T4K	Figure 3	Figure 5	1. Compatible capacitance for different voltage levels: see Table 1
	DXN8D-12/T4K-20pF			1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing 3. With indicator light deactivation switch

Outline and Mounting Hole Machining Dimension Diagram

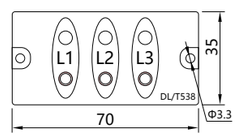
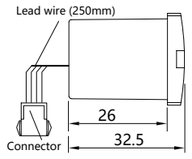
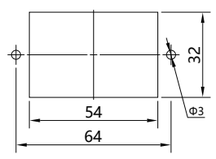


Figure 1





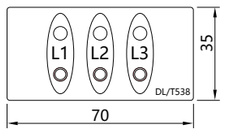
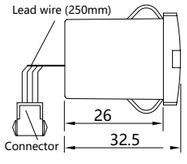
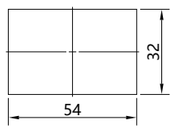


Figure 2





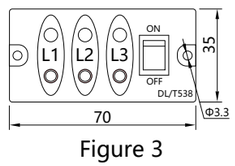
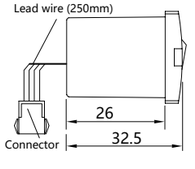
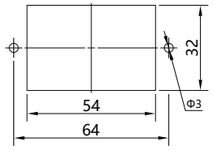


Figure 3





Rear View Wiring Diagram

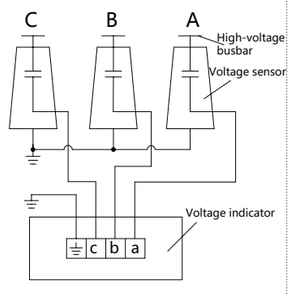


Figure 4

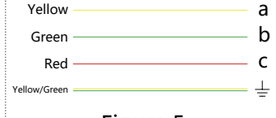
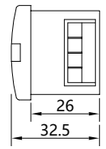


Figure 5

■Cutout size: 54×32mm series

Product Photo	Model	Outline drawing	Rear View Wiring Diagram	Remarks
	DXN8D-7.2-40.5/T8	Figure 1	Figure 5	Compatible capacitance for different voltage levels: see Table 1
	DXN8D-12/T8S-20pF			1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing
	DXN8D-7.2-40.5/T8C	Figure 2	Figure 5	Compatible capacitance for different voltage levels: see Table 1
	DXN8D-12/T8SC-20pF			1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing

Outline and Mounting Hole Machining Dimension Diagram



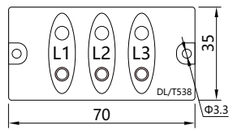
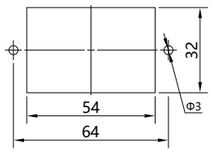
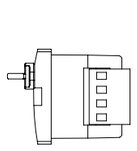
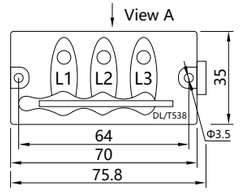
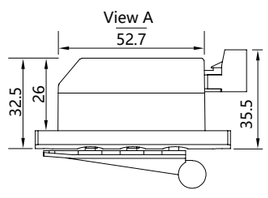


Figure 1









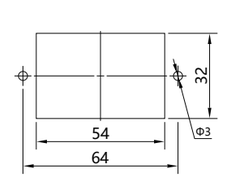


Figure 2

Rear View Wiring Diagram

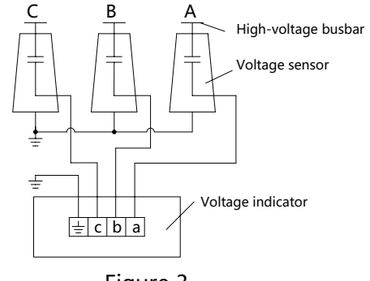


Figure 3

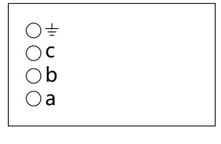


Figure 4

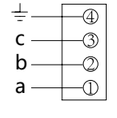
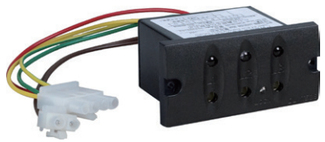
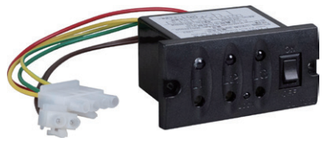


Figure 5

■Cutout size: 54×32mm (with lock function) series

Product Photo	Model	Operating voltage (V)	Outline drawing	Rear View Wiring Diagram	Remarks
	DXN8D-12/QT4SA-20pF	AC/DC: 220、DC110	Figure 1	Figure 4	1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing
	DXN8D-12/QT4SD-20pF	DC48、DC24			
	DXN8D-12/QT4SCA-20pF	AC/DC: 220、DC110	Figure 2	Figure 5	
	DXN8D-12/QT4SCD-20pF	DC48、DC24			
	DXN8D-12/QT4SA-F-20pF	AC/DC: 220、DC110		Figure 6	
	DXN8D-12/QT4SD-F-20pF	DC48、DC24			
	DXN8D-12/QT4SKA-20pF	AC/DC: 220、DC110	Figure 3	Figure 5	
	DXN8D-12/QT4SKD-20pF	DC48、DC24			
	DXN8D-12/QT4SKA-F-20pF	AC/DC: 220、DC110		Figure 6	
	DXN8D-12/QT4SKD-F-20pF	DC48、DC24			

Outline and Mounting Hole Machining Dimension Diagram

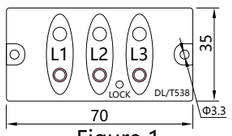
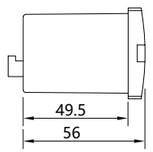
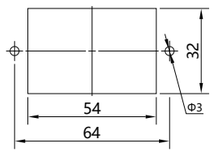


Figure 1





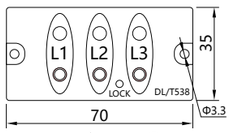
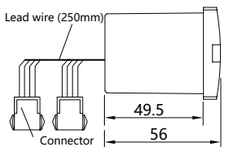
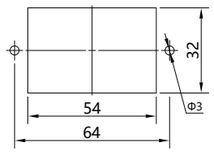


Figure 2





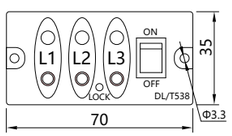
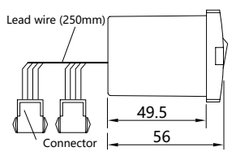
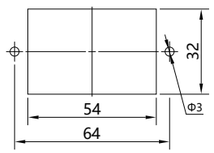


Figure 3





Rear View Wiring Diagram

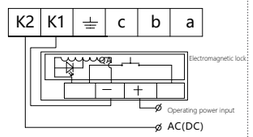


Figure 4

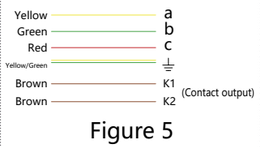


Figure 5

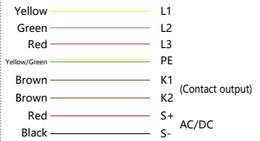
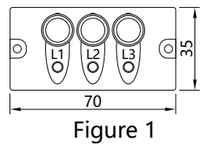


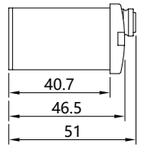
Figure 6

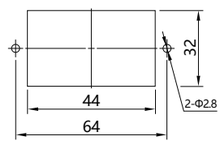
■Cutout size: 54×32mm (lamp plug-in) series

Product Photo	Model	Operating voltage (V)	Outline drawing	Rear View Wiring Diagram	Remarks
	DXN8D-12/T4S8-20pF	/	Figure 1	Figure 4	1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing 3. Indicator lamps are pluggable.
	DXN8D-12/QT4S8A-F-20pF	AC/DC: 220、DC110	Figure 2	Figure 5	
	DXN8D-12/QT4S8D-F-20pF	DC48、DC24			

Outline and Mounting Hole Machining Dimension Diagram







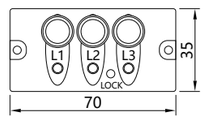
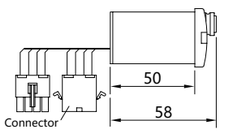
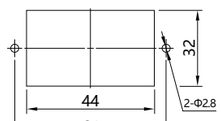


Figure 2





Rear View Wiring Diagram

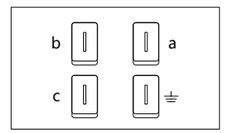


Figure 4

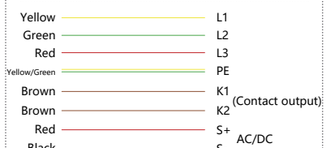


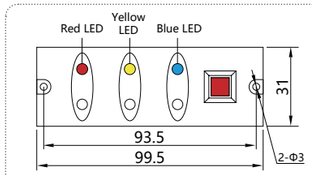
Figure 5

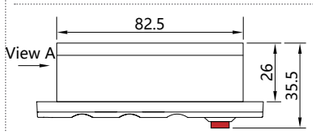
■Cutout size: 83×32mm product



Model
DXN8D-12/T4KS5-20pF

Outline and Mounting Hole Machining Dimension Diagram





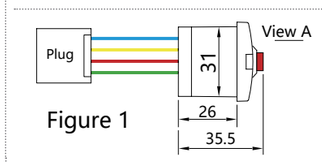


Figure 1

Rear View Wiring Diagram

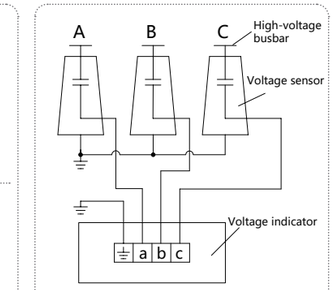


Figure 2

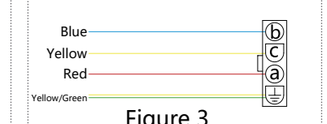


Figure 3

■Cutout size: 52.5×31.5mm series

Product Photo	Model	Operating Voltage (V)	Outline drawing	Rear View Wiring Diagram	Remarks
	DXN8D-7.2-40.5/T6	/	Figure 1	Figure 5	Compatible capacitance for different voltage levels: see Table 1
	DXN8D-12/T6S-20pF	/			1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing
	DXN8D-7.2-40.5/QT6A-F	AC/DC：220、DC110	Figure 2	Figure 5	Compatible capacitance for different voltage levels: see Table 1
	DXN8D-7.2-40.5/QT6D-F	DC48、DC24			
	DXN8D-12/QT6SA-F-20pF	AC/DC：220、DC110			1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing
	DXN8D-12/QT6SD-F-20pF	DC48、DC24			

Outline and Mounting Hole Machining Dimension Diagram

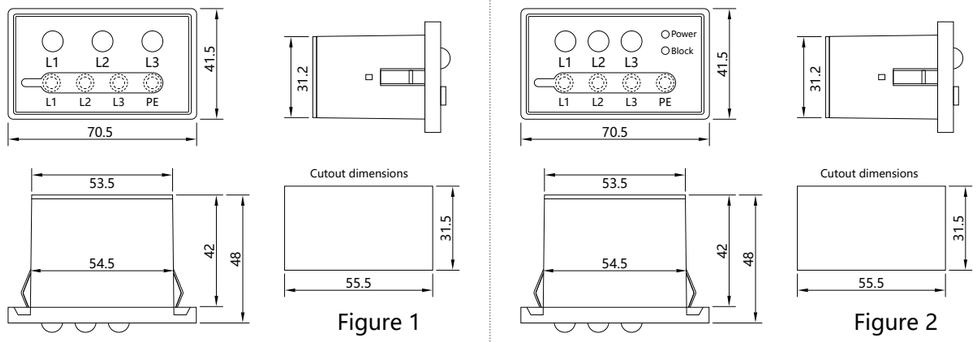


Figure 1　Figure 2

Wiring Schematic Diagram

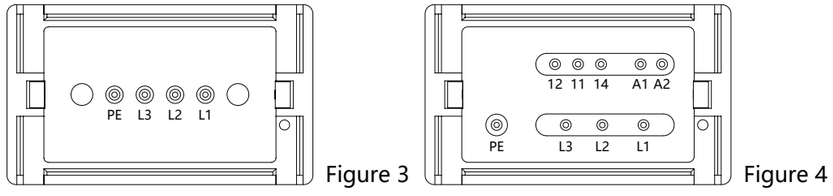


Figure 3　Figure 4

Wiring Schematic Diagram

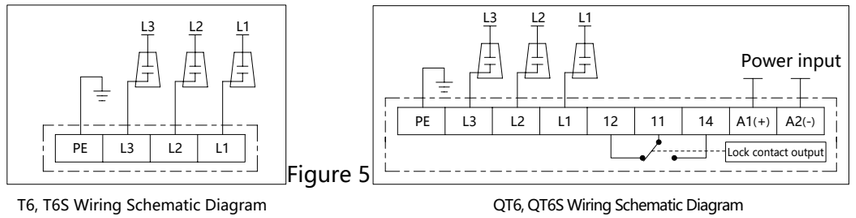


Figure 5

T6, T6S Wiring Schematic Diagram　　QT6, QT6S Wiring Schematic Diagram

■Cutout size: 106x26mm series

Product Photo	Model	Outline drawing	Rear View Wiring Diagram	Remarks
	DXN8D-12/T5S-20pF	Figure 1	Figure 4	1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing
	DXN8D-12/QT5SA-20pF		Figure 5	
	DXN8D-12/QT5SD-20pF			
	DXN8D-12/T5SK-20pF	Figure 2	Figure 4	1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing 3. Mounting method: spring clip
	DXN8D-12/QT5SKA-20pF		Figure 5	
	DXN8D-12/QT5SKD-20pF			
	DXN8D-12/T5S3-20pF	Figure 3	Figure 4	1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing 3.Indicator lamps are pluggable.
	DXN8D-12/QT5S3A-20pF		Figure 5	
	DXN8D-12/QT5S3D-20pF			

Outline and Mounting Hole Machining Dimension Diagram

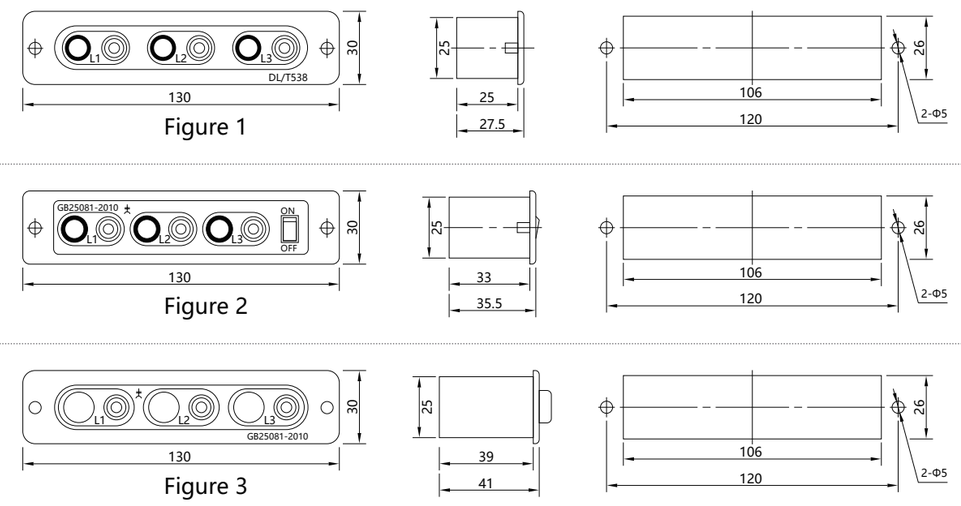


Figure 1
Figure 2
Figure 3

Rear View Wiring Diagram

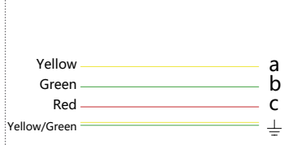


Figure 4



Figure 5

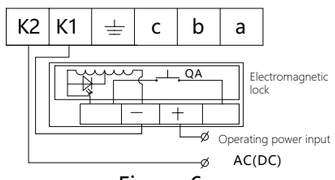


Figure 6

■Cutout size: 106x26mm series

Product Photo	Model	Outline drawing	Rear View Wiring Diagram	Remarks
	DXN8D-12/QT5SA-F-20pF	Figure 1	Figure 3	1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing
	DXN8D-12/QT5SD-F-20pF			
	DXN8D-12/T5SA-Z-20pF	Figure 2	Figure 4	1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing 3. With diagnosis functions
	DXN8D-12/QT5SA-Z-20pF			
	DXN8D-12/T5SD-Z-20pF		Figure 5	
	DXN8D-12/QT5SD-Z-20pF			

Outline and Mounting Hole Machining Dimension Diagram

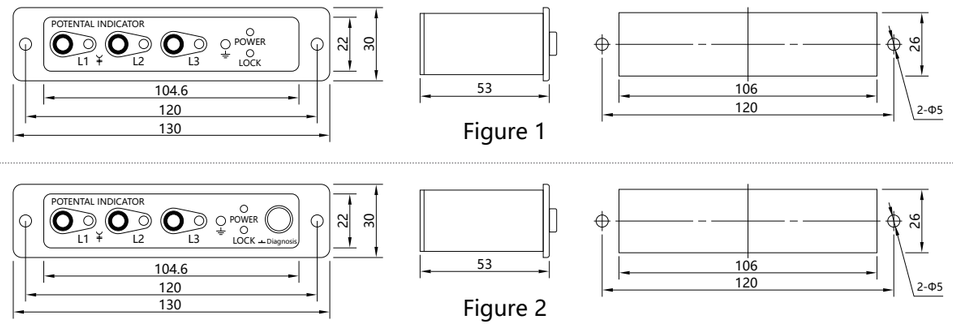


Figure 1

Figure 2

Rear View Wiring Diagram

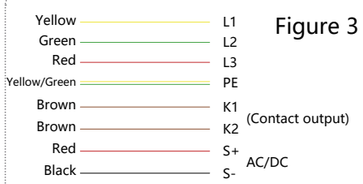


Figure 3

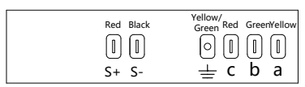


Figure 4

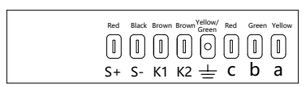
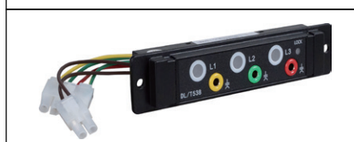


Figure 5

■Cutout size: 106x26mm series

Product Photo	Model	Outline drawing	Rear View Wiring Diagram	Remarks
	DXN8D-12/T7S-20pF	Figure 1	Figure 2	1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing
	DXN8D-12/QT7SA-20pF	Figure 1	Figure 3	
	DXN8D-12/QT7SD-20pF			

Outline and Mounting Hole Machining Dimension Diagram

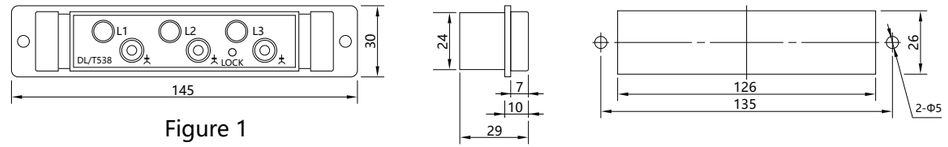


Figure 1

Rear View Wiring Diagram

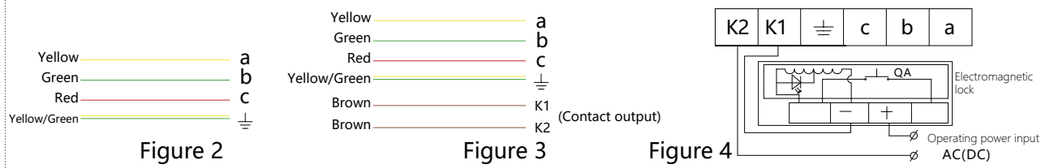


Figure 2

Figure 3

Figure 4

■Cutout size: 88x28mm series

Product Photo	Model	Rear View Wiring Diagram	Remarks
	DXN8D-7.2-40.5/T2	Figure 2	Compatible capacitance for different voltage levels: see Table 1
	DXN8D-7.2-40.5/T2KH	Figure 2	1. Compatible capacitance for different voltage levels: see Table 1 2. With switch, phase comparison port

Outline and Mounting Hole Machining Dimension Diagram

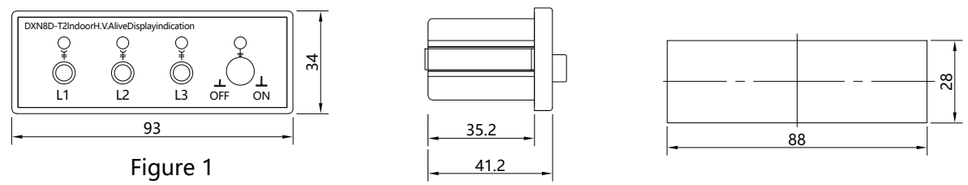


Figure 1

Rear View Wiring Diagram

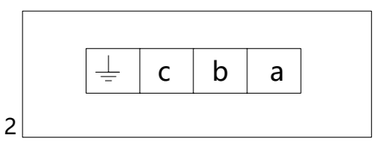


Figure 2

■Cutout size: 71x38mm series

Product Photo	Model	Rear View Wiring Diagram	Remarks
	ZS8-12/T	Figure 2	The indicator is integrally encapsulated with epoxy resin, enabling it to operate properly under harsh salt-fog environment.

Outline and Mounting Hole Machining Dimension Diagram

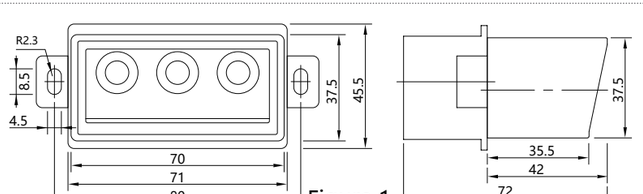


Figure 1

Rear View Wiring Diagram



Figure 2

■Cutout size: 160.5x18.5mm series

Product Photo	Model	Rear View Wiring Diagram	Remarks
	DXN8D-12/T9S	Figure 2	The indicator is integrally encapsulated with epoxy resin, enabling it to operate properly under harsh salt-fog environment.

Outline and Mounting Hole Machining Dimension Diagram

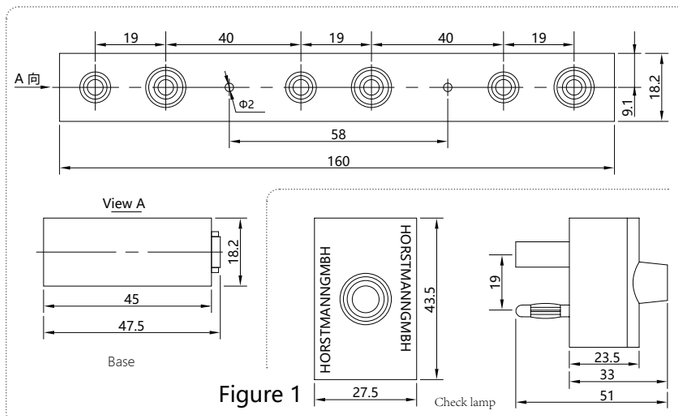


Figure 1

Rear View Wiring Diagram

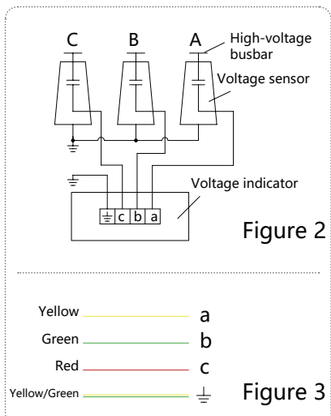


Figure 2

Figure 3

■ KSG-12 series

Product Photo	Model	Rear View Wiring Diagram	Remarks
	KSG-12	Figure 2	The indicator is integrally encapsulated with epoxy resin, enabling it to operate properly under harsh salt-fog environment.

Outline and Mounting Hole Machining Dimension Diagram

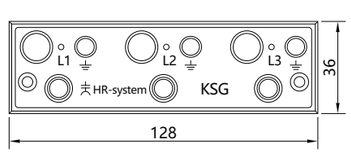


Figure 1

Rear View Wiring Diagram

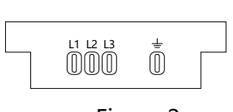
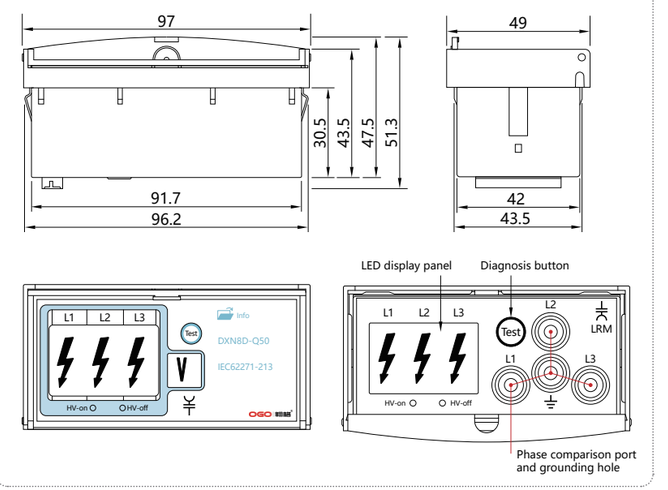


Figure 2

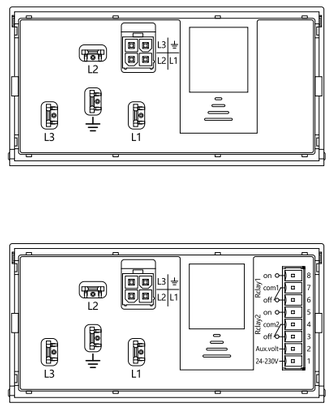
■Cutout size: 92×44mm (LCD) series

Product Photo	Model	Operating Voltage (V)	Rear View Wiring Diagram	Remarks
	DXN8D-12/T50S-20pF	/	Figure 2	1. Standard product compatible capacitance: 20±2pF 2. Capacitance value indicated in model number shall be modified according to capacitance of matching bushing
	DXN8D-12/Q50S-20pF	AC/DC：24~265	Figure 3	

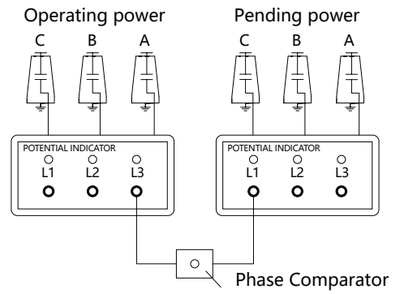
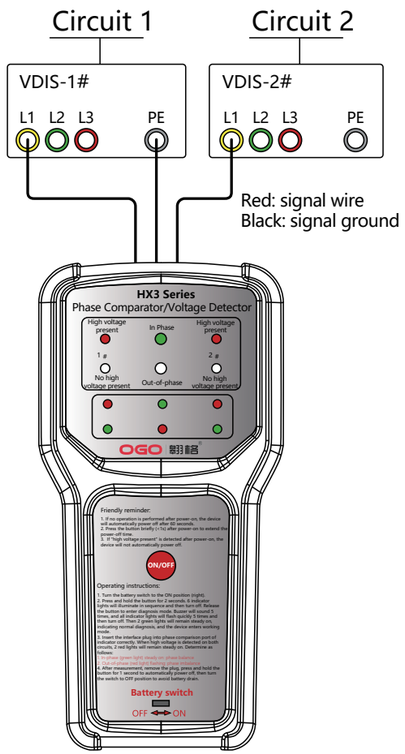
Outline and Mounting Hole Machining Dimension Diagram



Rear View Wiring Diagram



■Phase Comparator

Product Photo	Model	Rear View Wiring Diagram
	HX2-2(30V) HX2-2(60V)	
	HX3	

DSN Indoor Electromagnetic Lock Series

I. Purpose and Scope of Use

This series product is an electrically controlled mechanism interlocking device that prevents electrical misoperation of high-voltage switchgear. It is mainly used for forced interlocking on high-voltage switchgear cabinet doors and other locations requiring safety interlocking, preventing entry into live compartments and misoperation. It is an essential lock device for power generation and supply departments. Main uses:

Forced lock: Installed on high-voltage switchgear cabinet doors, disconnectors, etc., to achieve forced interlocking.

Misoperation prevention: Core function is to prevent dangerous operations such as entering live compartments and incorrectly opening/closing circuit breakers.

Safety interlocking: Used in conjunction with high-voltage presence indicating system , etc., allowing unlocking only after confirming no voltage is present.

II. Model Descriptions

DSN □-□□□-F TH

- TH: Tropical type
- F: With auxiliary contact
- □: Operating voltage code (no code: universal AC/DC 110/220V; D: universal DC 24V/48V)
- □: Installation methods — M: door lock; Z: left mounting; Y: right mounting; X: lock bolt downward mounting; S: lock bolt upward mounting
- □: Lock type (indicated by I, A, B, C, D, etc.)
- □: Design code (indicated by 1, 2, 3, 4, etc.)
- DSN: Indoor electromagnetic lock

II. Normal Service Conditions

Ambient air temperature: Upper limit: +40°C; Lower limit: -10°C for general areas, -25°C for severely cold areas.
Altitude: Installation site not exceeding 2000m above sea level.
Ambient humidity: Daily average relative humidity ≤95%, monthly average ≤90%.
Environmental conditions: Locations without significant pollution, no flammable, explosive, chemical corrosion, salt fog, and without frequent severe vibration.

IV. Ordering Instructions

To meet your specific needs, all models support customization services. To ensure that custom products accurately match your application scenario, please provide the following key parameters when placing an order: lock rod length, lock bolt direction, lock rod fixing hole requirements, etc.

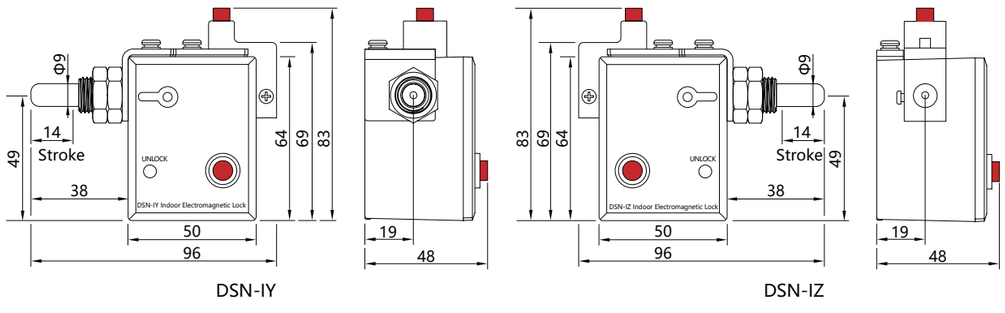
■ Indoor Switchgear Mechanism Lock



DSN-IY/DSN-IZ

Model	Operating voltage (V)	Mounting bracket thread specification
DSN-IY	AC/DC：220、DC110	M14/M16
DSN-IY-D	DC24、DC48	
DSN-IZ	AC/DC：220、DC110	M14/M16
DSN-IZ-D	DC24、DC48	

Outline drawing



DSN-IY DSN-IZ

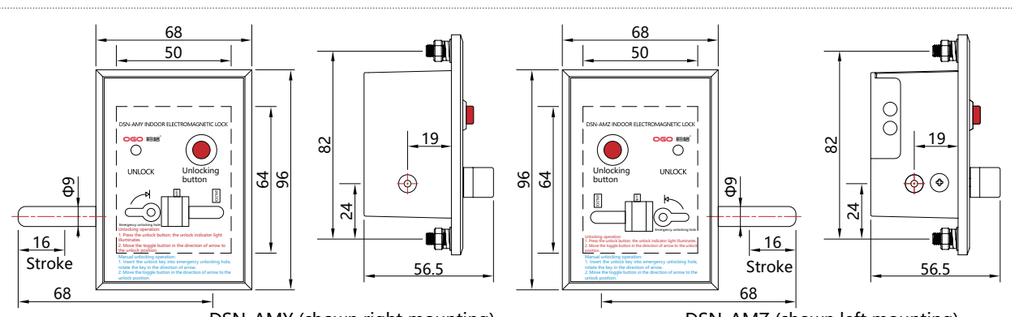
■ DSN-AM Indoor Electromagnetic Lock Series



DSN-AMY/DSN-AMZ

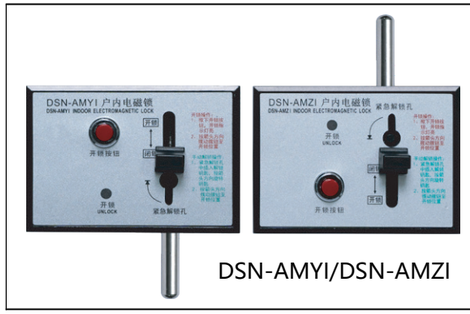
Model	Operating voltage (V)	Mounting cutout dimensions
DSN-AMY	AC/DC：220、DC110	58, 70, 82, 2-Φ6
DSN-AMY-D	DC24、DC48	
DSN-AMZ	AC/DC：220、DC110	
DSN-AMZ-D	DC24、DC48	

Outline drawing



DSN-AMY (shown right mounting) DSN-AMZ (shown left mounting)

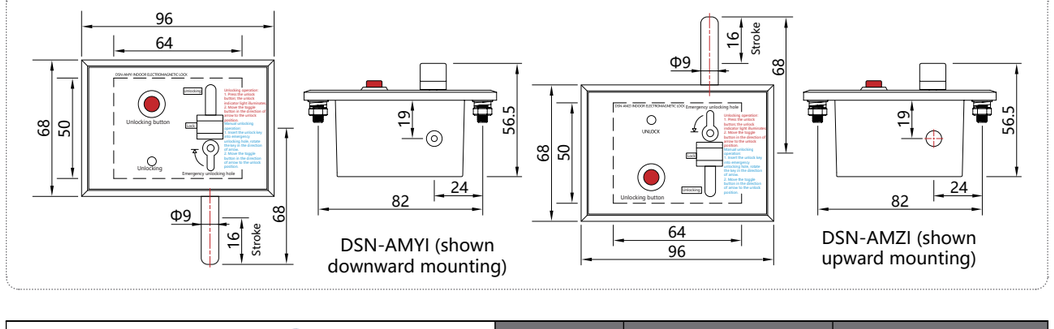
045



DSN-AMYI/DSN-AMZI

Model	Operating voltage (V)	Mounting cutout dimensions
DSN-AMYI	AC/DC：220、DC110	2-Φ6, 58, 70, 82
DSN-AMYI-D	DC24、DC48	
DSN-AMZI	AC/DC：220、DC110	
DSN-AMZI-D	DC24、DC48	

Outline drawing



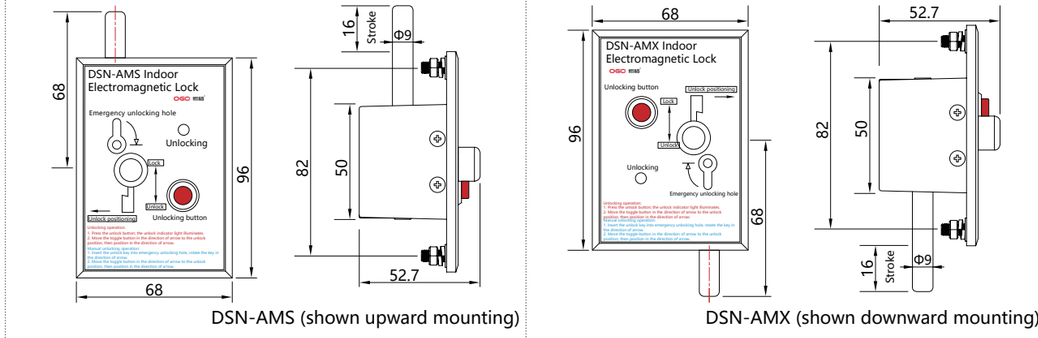
DSN-AMYI (shown downward mounting) DSN-AMZI (shown upward mounting)



DSN-AMS/DSN-AMX

Model	Operating voltage (V)	Mounting cutout dimensions
DSN-AMS	AC/DC：220、DC110	66, 82, 58, 2-Φ6
DSN-AMS-D	DC24、DC48	
DSN-AMX	AC/DC：220、DC110	
DSN-AMX-D	DC24、DC48	

Outline drawing

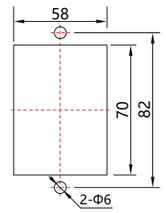


DSN-AMS (shown upward mounting) DSN-AMX (shown downward mounting)

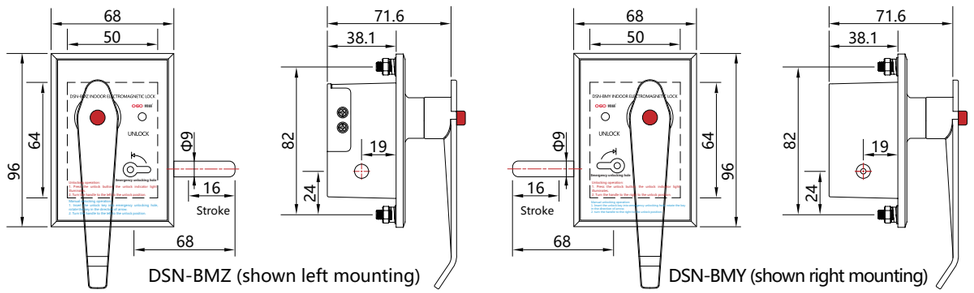
046

■ DSN-BM Indoor Electromagnetic Lock Series



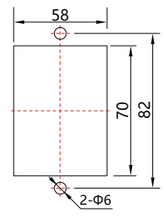
Model	Operating voltage (V)	Mounting cutout dimensions
DSN-BMY	AC/DC：220、DC110	
DSN-BMY-D	DC24、DC48	
DSN-BMZ	AC/DC：220、DC110	
DSN-BMZ-D	DC24、DC48	

Outline drawing

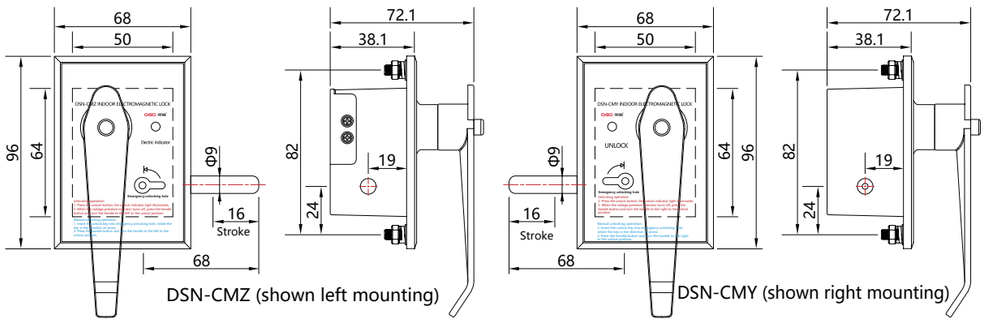


■ DSN-CM Indoor Electromagnetic Lock (Reverse Electromagnetic Lock) Series



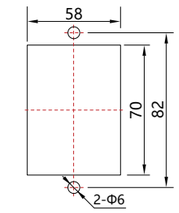
Model	Operating voltage (V)	Mounting cutout dimensions
DSN-CMY	AC/DC：220	
DSN-CMZ	AC/DC：220	

Outline drawing

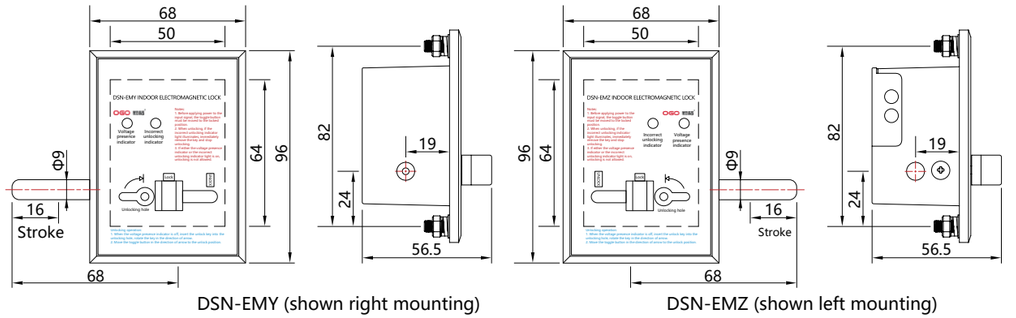


■ DSN-EM Indoor Electromagnetic Lock (Reverse Electromagnetic Lock) Series



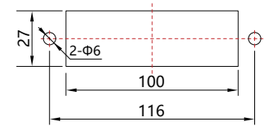
Model	Operating voltage (V)	Mounting cutout dimensions
DSN-EMY	AC/DC：220	
DSN-EMZ	AC/DC：220	

Outline drawing

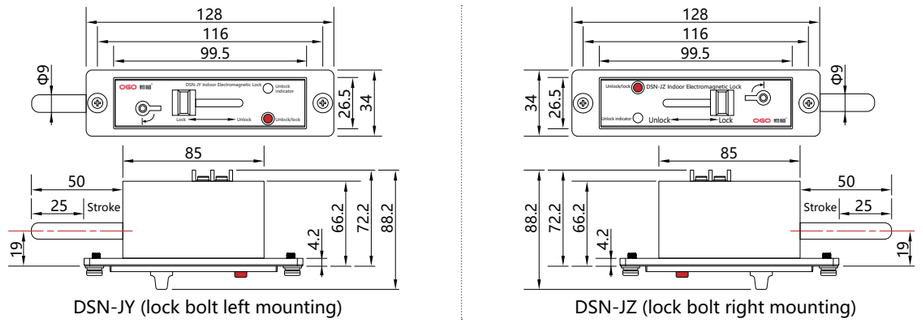


■ DSN-J Indoor Electromagnetic Lock (Grounding Switch)



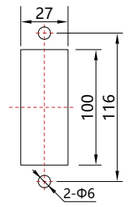
Model	Operating voltage (V)	Mounting cutout dimensions
DSN-JY	AC/DC：220、DC110	
DSN-JY-D	DC24、DC48	
DSN-JZ	AC/DC：220、DC110	
DSN-JZ-D	DC24、DC48	

Outline drawing

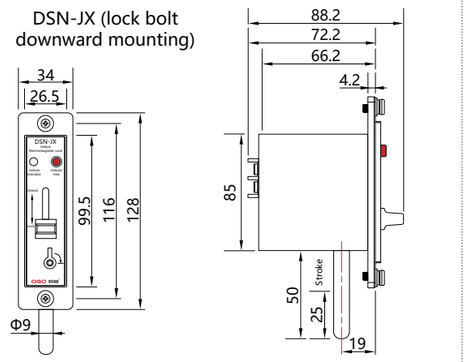


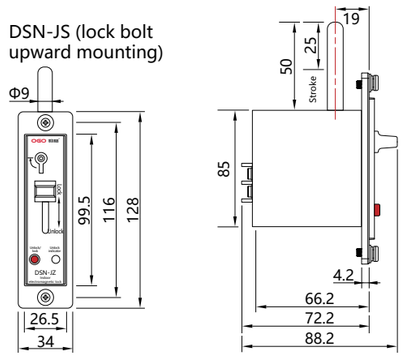
■ DSN-J Indoor Electromagnetic Lock (Grounding Switch)



Model	Operating voltage (V)	Mounting cutout dimensions
DSN-JX	AC/DC：220、DC110	
DSN-JX-D	DC24、DC48	
DSN-JS	AC/DC：220、DC110	
DSN-JS-D	DC24、DC48	

Outline drawing

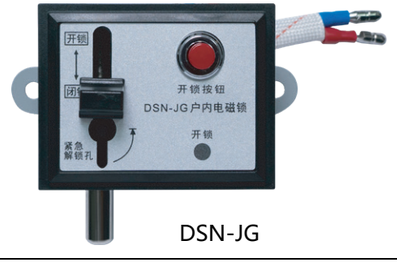




■ DSN-JG Indoor Electromagnetic Lock (Grounding Switch)



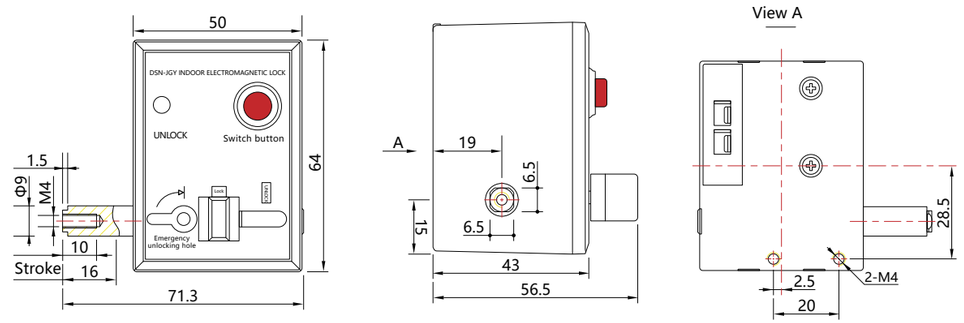
DSN-JGY/DSN-JGZ



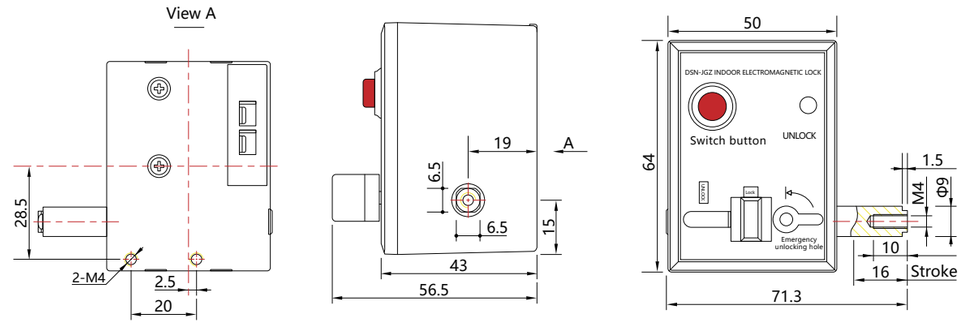
DSN-JG

Model	Operating voltage (V)	Mounting cutout dimensions
DSN-JGY	AC/DC：220、DC110	See DSN-JGY outline drawing
DSN-JGY-D	DC24、DC48	
DSN-JGZ	AC/DC：220、DC110	See DSN-JGZ outline drawing
DSN-JGZ-D	DC24、DC48	
DSN-JG	AC/DC：220、DC110	See DSN-JG outline drawing
DSN-JG-D	DC24、DC48	

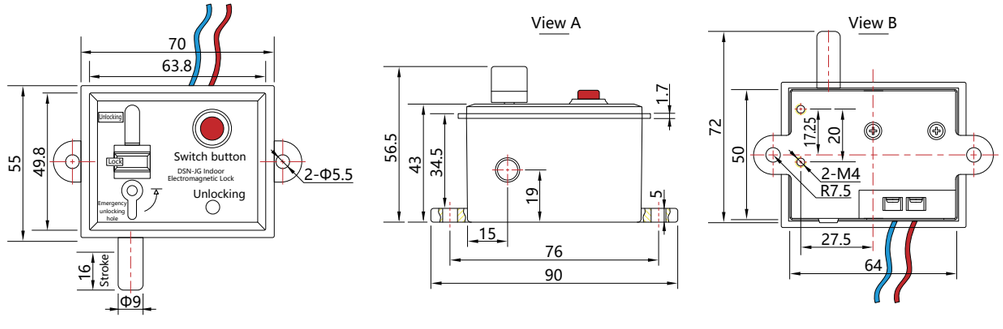
Outline drawing



DSN-JGY (lock bolt left mounting)

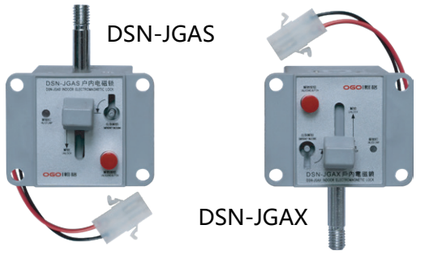


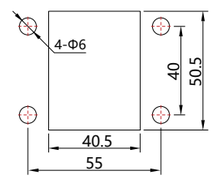
DSN-JGZ (lock bolt right mounting)



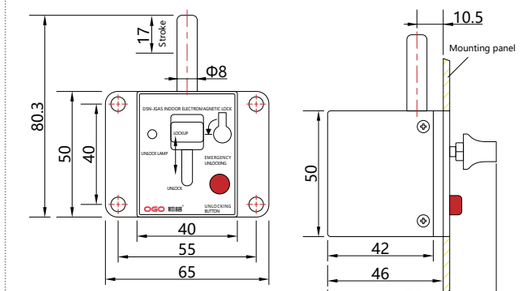
DSN-JG (lock bolt downward mounting)

■ DSN-JGA Indoor Electromagnetic Lock Series

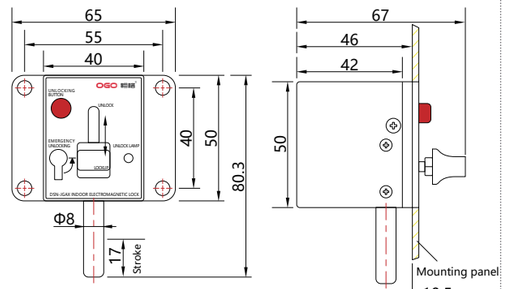


Model	Operating voltage (V)	Mounting cutout dimensions
DSN-JGAS	AC/DC: 220、DC110	
DSN-JGAS-B	DC48	
DSN-JGAX	AC/DC: 220、DC110	
DSN-JGAX-B	DC48	

Outline drawing

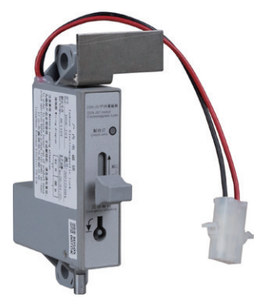


DSN-JGAS (lock bolt upward mounting)



DSN-JGAX (lock bolt downward mounting)

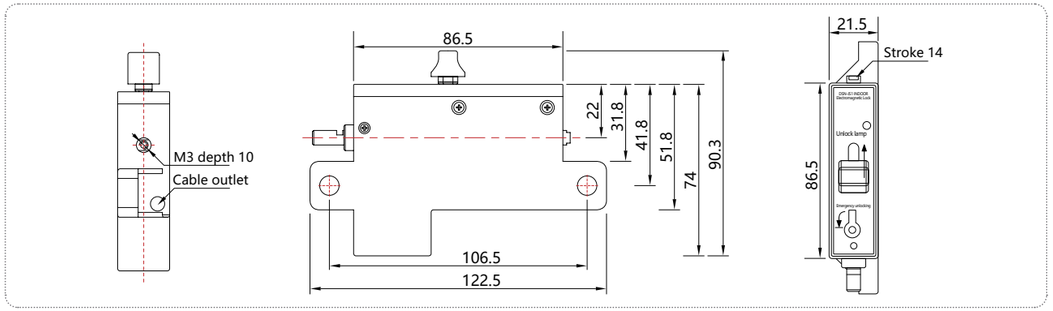
■ DSN-JS1 Indoor Electromagnetic Lock



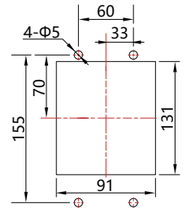
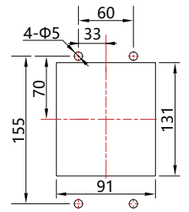
DSN-JS1

Model	Operating voltage (V)	Mounting cutout dimensions
DSN-JS1-A	AC/DC: 220	See outline drawing
DSN-JS1-B	DC110V	
DSN-JS1-C	DC48V	
DSN-JS1-D	DC24V	

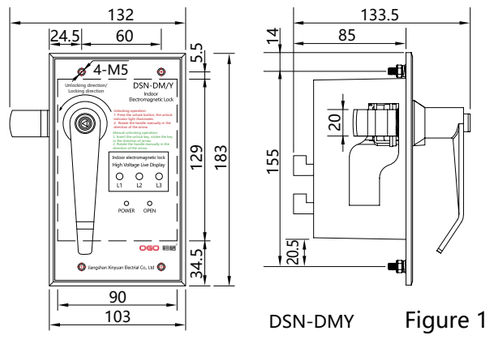
Outline drawing



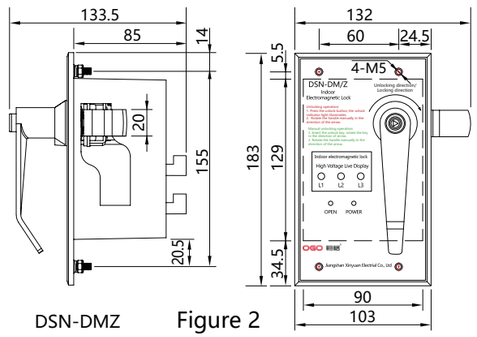
■ DSN-DM Indoor Electromagnetic Door Lock

	Model	Operating voltage (V)	Rear View Wiring Diagram	Mounting cutout dimensions
 DSN-DMY	DSN-DMY1	AC/DC：220	Figure 3	
	DSN-DMY3	DC110	Figure 3	
	DSN-DMY1-F	AC/DC：220	Figure 4	
	DSN-DMY3-F	DC110	Figure 4	
 DSN-DMZ	DSN-DMZ1	AC/DC：220	Figure 3	
	DSN-DMZ3	DC110	Figure 3	
	DSN-DMZ1-F	AC/DC：220	Figure 4	
	DSN-DMZ3-F	DC110	Figure 4	

Outline drawing



DSN-DMY Figure 1



DSN-DMZ Figure 2

Rear View Wiring Diagram

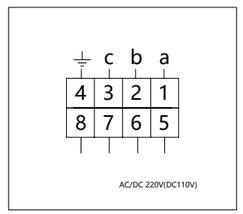


Figure 3

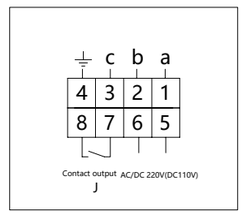
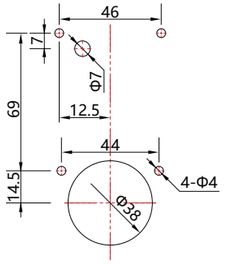
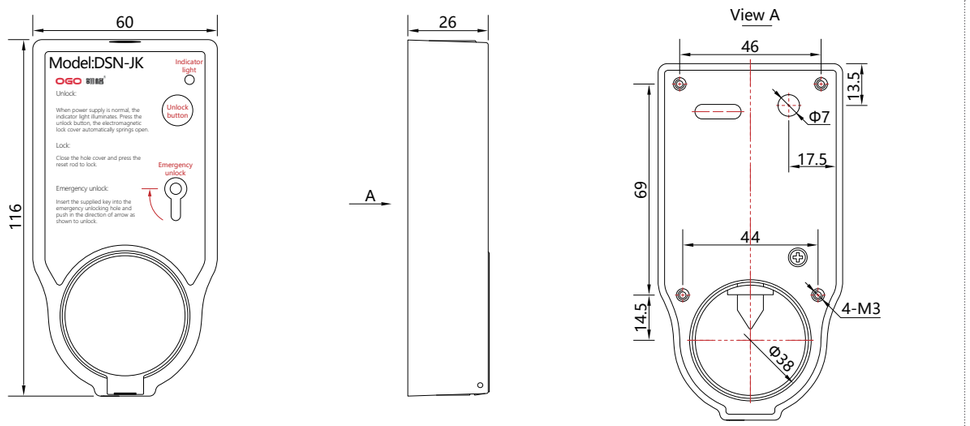


Figure 4

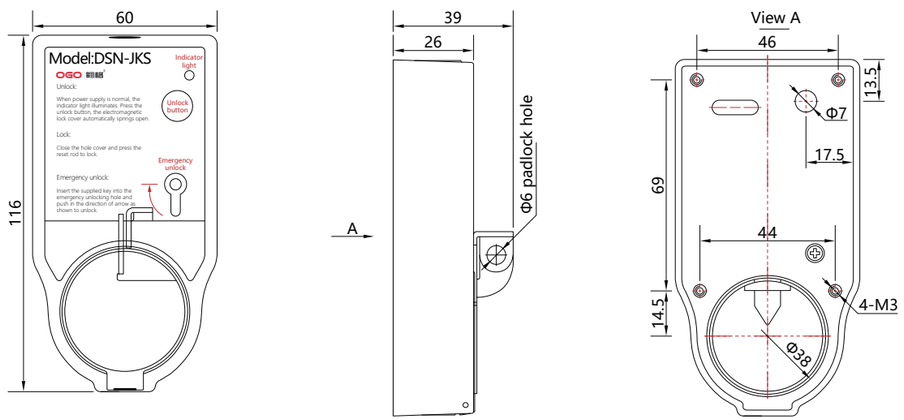
■ DSN-JK Indoor Electromagnetic Lock (Active type)

Product Photo10	Model	Operating voltage (V)	Mounting cutout dimensions
	DSN-JK DSN-JKS	DC48V	

Outline drawing

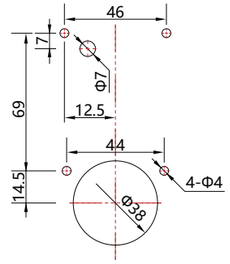


DSN-JK

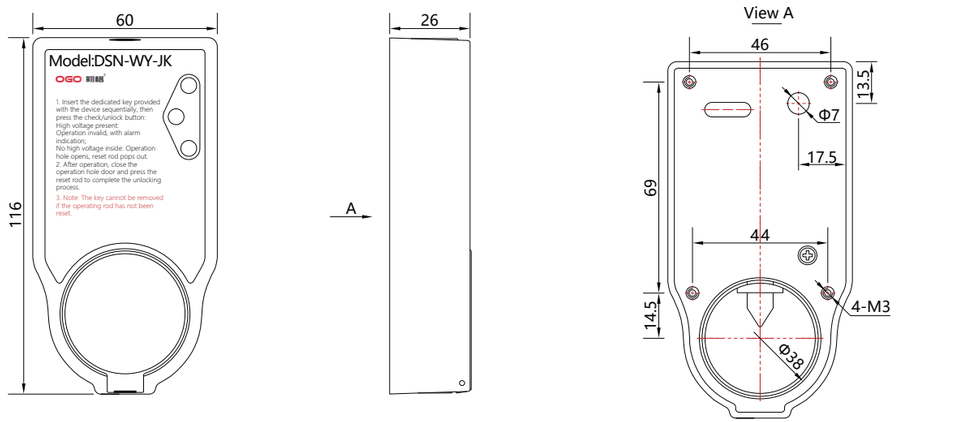


DSN-JKS with padlock plate

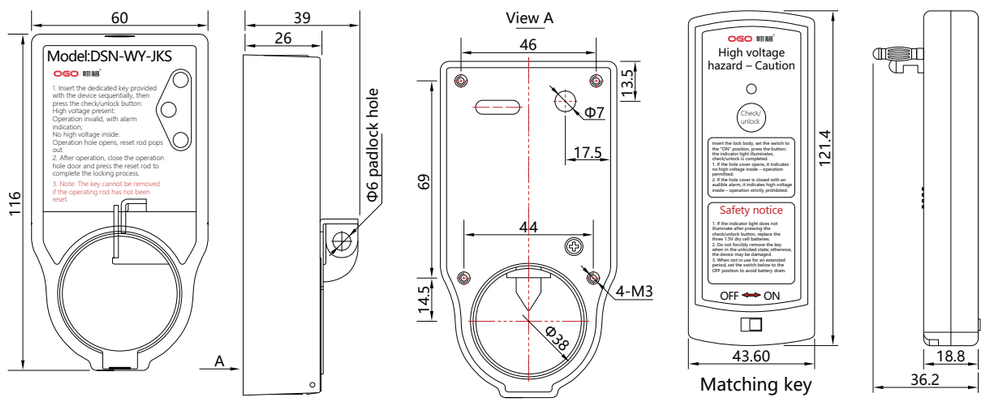
■ DSN-WY-JK Indoor Electromagnetic Lock (Passive type)

Product Photo10	Model	Operating voltage (V)	Mounting cutout dimensions
	DSN-WY-JK DSN-WY-JKS	/	

Outline drawing



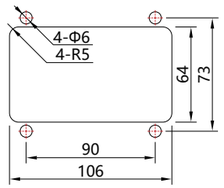
DSN-WY-JK



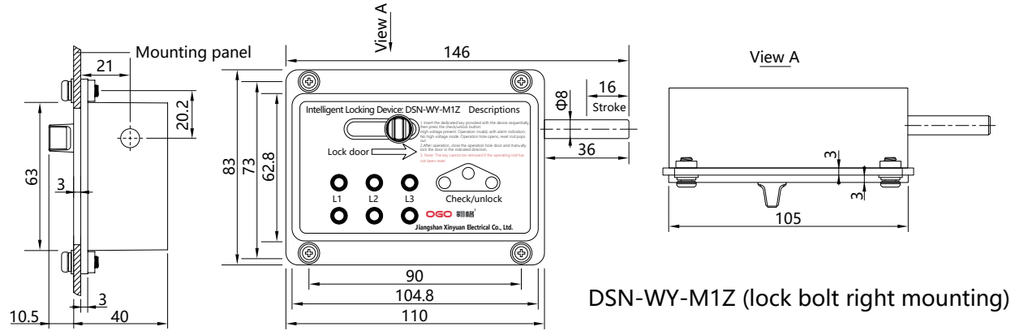
Matching key

DSN-WY-JKS with padlock plate

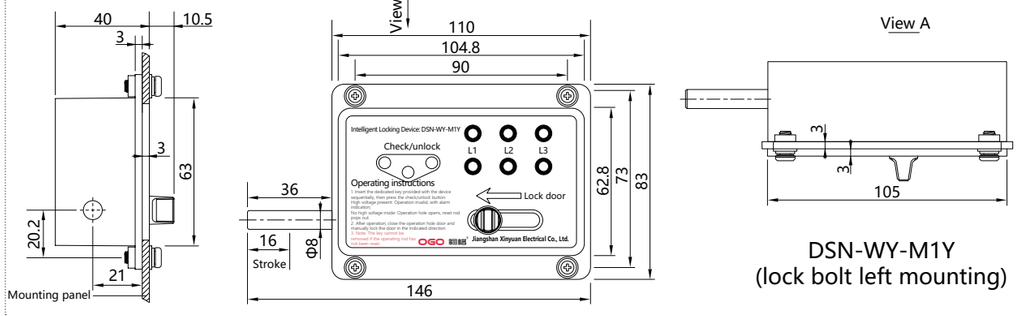
■ DSN-WY-M1 Indoor Passive Electromagnetic Lock (with voltage presence indicating function)

Product Photo	Model	Operating voltage (V)	Mounting cutout dimensions
 DSN-WY-M1Y	DSN-WY-M1Y	/	
 DSN-WY-M1Z	DSN-WY-M1Z	/	

Outline drawing

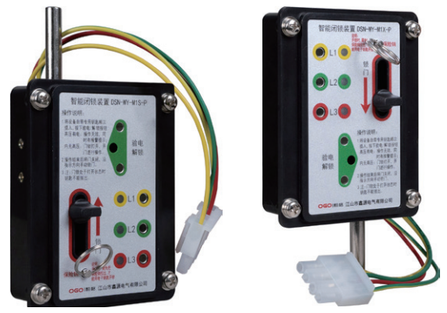
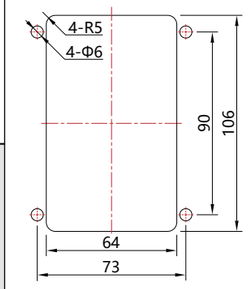


DSN-WY-M1Z (lock bolt right mounting)

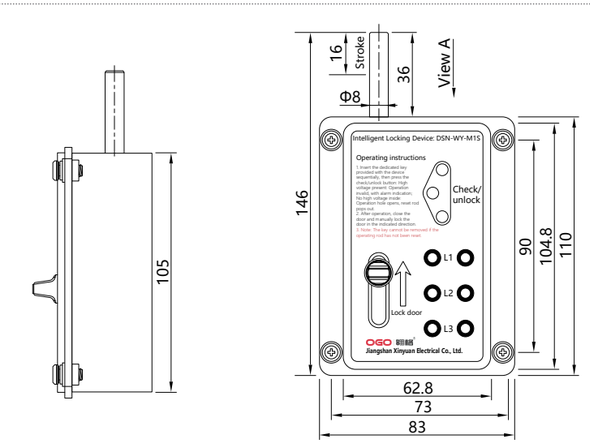


DSN-WY-M1Y
(lock bolt left mounting)

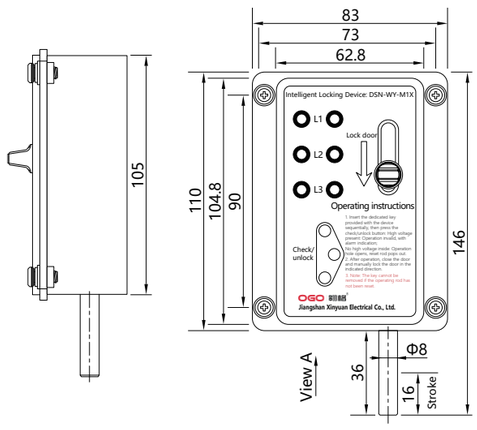
■ DSN-WY-M1 Indoor Passive Electromagnetic Lock (with voltage presence indicating function)

Product Photo	Model	Operating voltage (V)	Mounting cutout dimensions
	DSN-WY-M1S	/	
	DSN-WY-M1X	/	

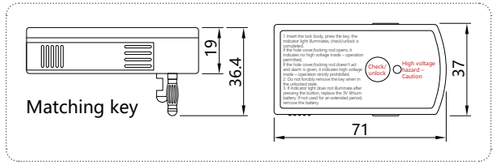
Outline drawing



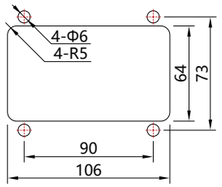
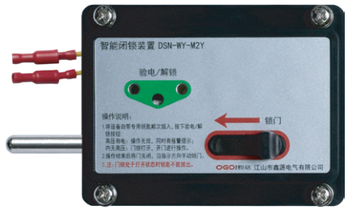
DSN-WY-M1S
(lock bolt upward mounting)



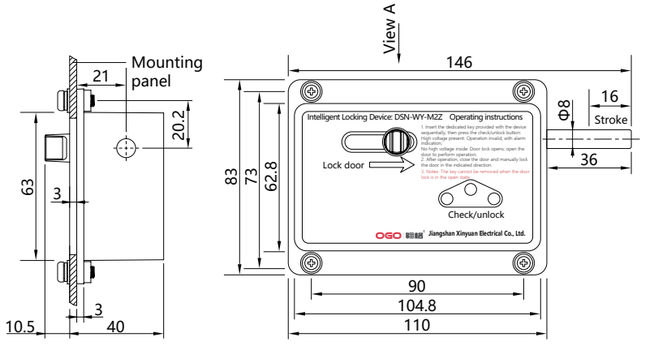
DSN-WY-M1X (lock bolt downward mounting)

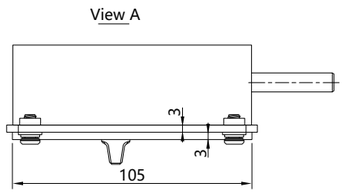


■ DSN-WY-M2 Indoor Passive Electromagnetic Lock (without voltage presence indicating function)

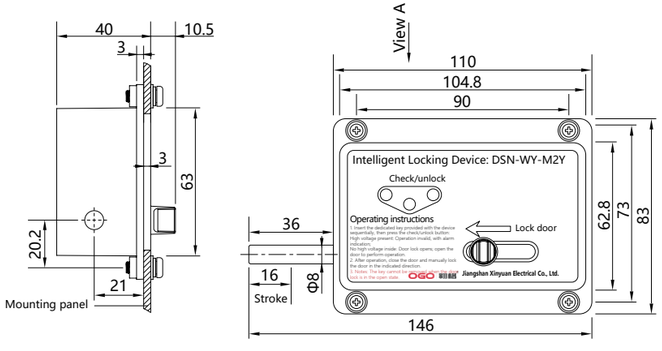
Product Photo	Model	Operating voltage (V)	Mounting cutout dimensions
	DSN-WY-M2Y	/	
	DSN-WY-M2Z	/	

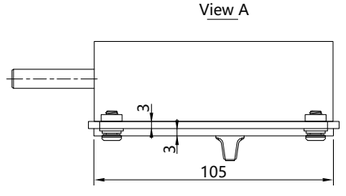
Outline drawing





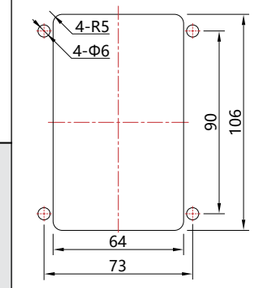
DSN-WY-M2Z
(lock bolt right mounting)



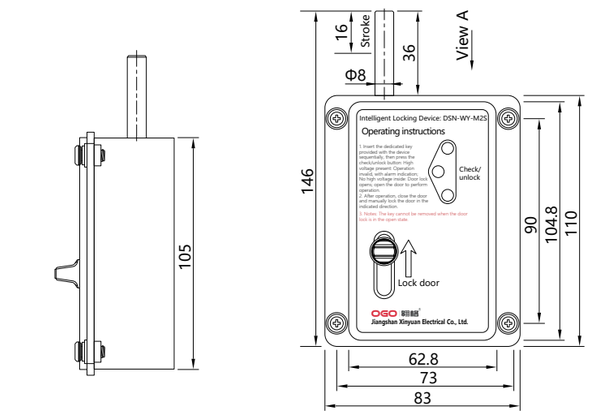


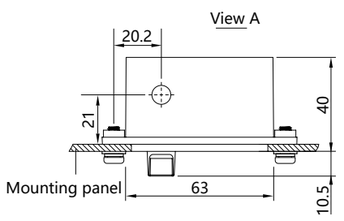
DSN-WY-M2Y
(lock bolt left mounting)

■ DSN-WY-M2 Indoor Passive Electromagnetic Lock (without voltage presence indicating function)

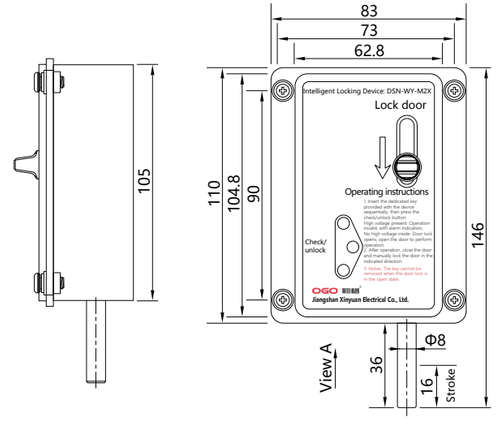
Product Photo	Model	Operating voltage (V)	Mounting cutout dimensions
	DSN-WY-M2S	/	
	DSN-WY-M2X	/	

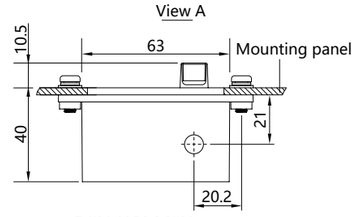
Outline drawing



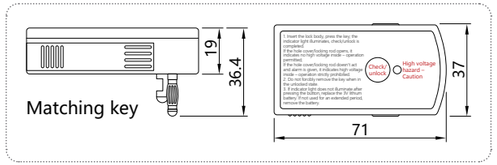


DSN-WY-M2S
(Lock bolt upward mounting)





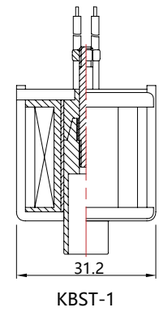
DSN-WY-M2X
(lock bolt downward mounting)



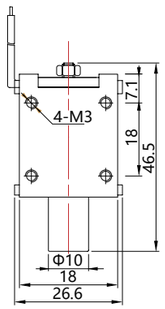
■ KBST Locking Solenoid

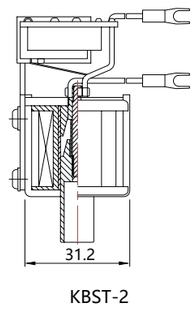
Product Photo	Model	Operating power		Model	Operating power
	KBST-1-A	DC220V		KBST-3-A With travel switch	DC220V
	KBST-1-B	DC110V		KBST-3-B With travel switch	DC110V
	KBST-1-C	DC48V		KBST-3-C With travel switch	DC48V
	KBST-1-D	DC24V		KBST-3-D With travel switch	DC24V
	KBST-2-A With voltage dividing resistor	DC220V		KBST-4-A With voltage dividing resistor With travel switch	DC220V
	KBST-2-B With voltage dividing resistor	DC110V		KBST-4-B With voltage dividing resistor With travel switch	DC110V
	KBST-2-C With voltage dividing resistor	DC48V		KBST-4-C With voltage dividing resistor With travel switch	DC48V
	KBST-2-D With voltage dividing resistor	DC24V		KBST-4-D With voltage dividing resistor With travel switch	DC24V

Outline drawing

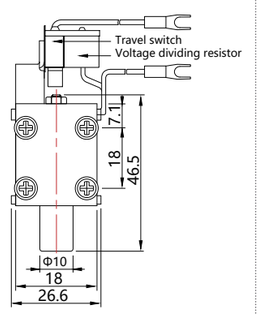


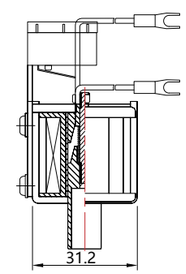
KBST-1



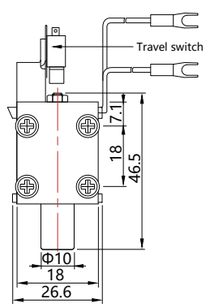


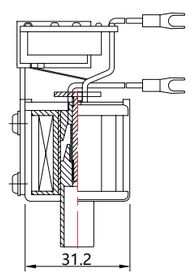
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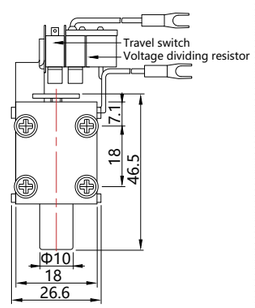


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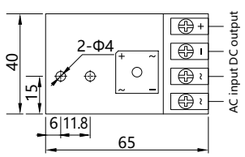




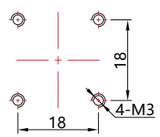
KBST-4



Auxiliary rectifier module



Mounting cutout dimensions



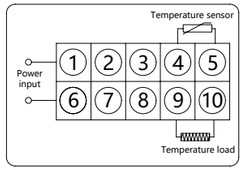
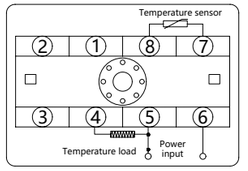
WK Series Temperature Controller

Model Descriptions

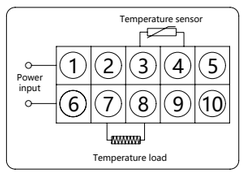
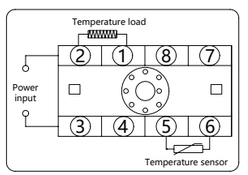
WK - 1 - □ □ - R (TH)

- Tri-proof Function
- R: 485 communication
- H: dial setting function; G: fixed function; Z: digital display function
- S: temperature rise type; J: temperature drop type
- 1: base mounting; blank: panel mounting
- Temperature controller

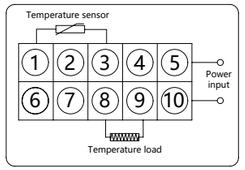
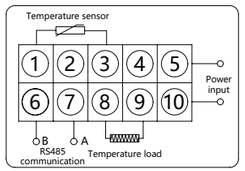
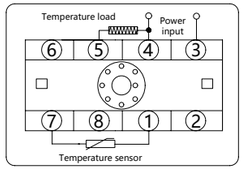
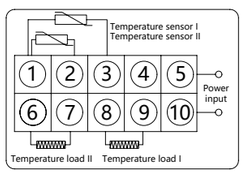
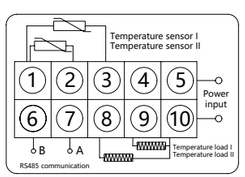
■Dial-Type Temperature Controller (Adjustable Temperature)

Product Photo	Model	Wiring Diagram	Descriptions
	WK-SH(TH)		**Main functions:** One-channel temperature monitoring; control value set by user via dial; available in temperature rise type and temperature drop type. **Technical specifications:** Operating power: AC220V (±10%), frequency:50/60Hz Temperature control range: Temperature drop type: 0~95°C; Temperature rise type: -40~+55°C Differential: Temperature: 4~7°C Accuracy: Temperature error: ±2°C Output: Active contact output (normally open), AC220V 5A Dimensions: 48×48×78mm³ Cutout dimensions: $45^{+0.5}\times45^{+0.5}$mm² **Installation methods** 1. Base (DIN rail) mounting 2. Flush mounting
	WK-JH(TH)		
	WK-1SH(TH)		
	WK-1JH(TH)		

■Fixed Temperature Controller

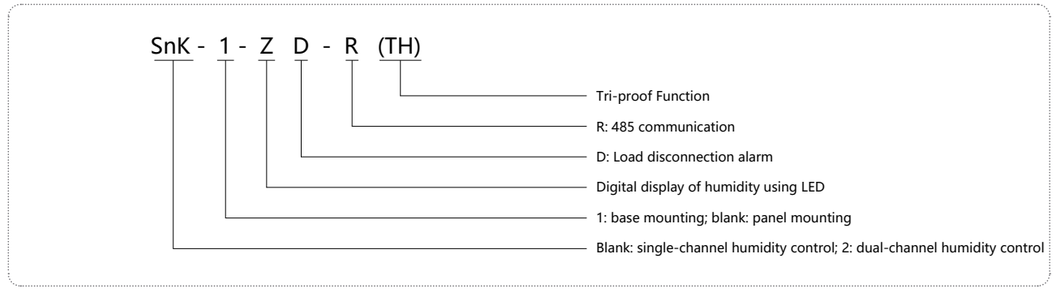
Product Photo	Model	Wiring Diagram	Descriptions
	WK-SG(TH)		**Main functions:** One-channel temperature monitoring; temperature control value fixed; available in temperature rise type and temperature drop type **Technical specifications:** Operating power: AC220V (±10%), frequency:50/60Hz Temperature control: Temperature rise type: activation at ≤5°C±2°C, de-activation at ≥15°C±2°C Temperature drop type: Activation at ≥45°C±2°C, de-activation at ≤30°C±2°C Output: Active contact output (normally open), AC220V 5A Dimensions: 48×48×78mm³ Cutout dimensions: $45^{+0.5}\times45^{+0.5}$mm² Mounting method **Installation methods** 1. Base (DIN rail) mounting 2. Flush mounting
	WK-JG(TH)		
	WK-1SG(TH)		
	WK-1JG(TH)		

■Digital Display (Precision) Temperature Controller

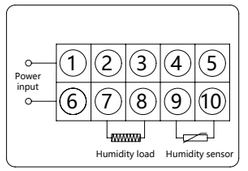
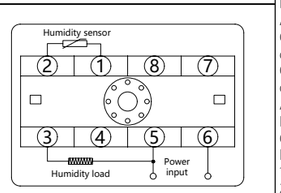
Product Photo	Model	Wiring Diagram	Descriptions
	WK-Z(TH)		**Main functions:** One-channel temperature digital display monitoring; display ambient temperature and activation temperature digitally; activation value set by user via tactile switch; selectable temperature rise or drop type during operation; cut off load power quickly if temperature sensor fails to protect other equipment; feature forced activation. **Technical specifications:** Operating power: AC220V (±10%) Frequency: 50/60Hz Temperature control range: -40°C~+120°C (or customer-specified range) Accuracy: Temperature error: ±2°C Differential control: Temperature: 1~20°C (adjustable) Control output: Active contact output AC220V/5A (normally open) Dimensions: 48×48×78mm³ Cutout dimensions: $45^{+0.5}\times45^{+0.5}$mm² **Installation methods** 1. Base or DIN rail mounting 2. Flush mounting
	WK-Z-R(TH)		
	WK-1Z(TH)		
	W2K-Z(TH)		**Main functions:** Two-channel temperature digital display monitoring; display ambient temperature and activation temperature digitally; activation value set by user via tactile switch; selectable temperature rise or drop type during operation; cut off load power quickly if temperature sensor fails to protect other equipment; feature forced activation. **Technical specifications:** Operating power: AC220V (±10%) Frequency: 50/60Hz Temperature control range: -40°C~+120°C (or customer-specified range) Accuracy: Temperature error: ±2°C Differential control: Temperature: 1~20°C (adjustable) Control output: Active contact output AC220V/5A (normally open) Dimensions: 48×48×78mm³ Cutout dimensions: $45^{+0.5}\times45^{+0.5}$mm² **Installation methods** Flush mounting
	W2K-Z-R(TH)		

SK Series Humidity Controller

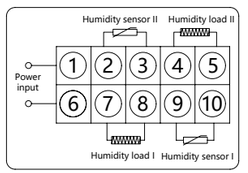
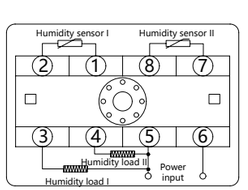
Model Descriptions



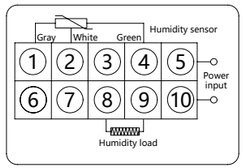
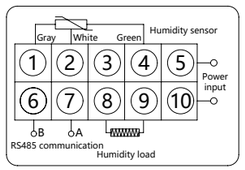
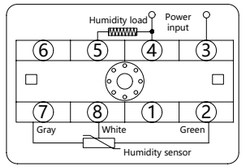
■Single-Channel Humidity Controller

Product Photo	Model	Wiring Diagram	Descriptions
	SK(TH)		**Main functions:** One-channel condensation monitoring; prevent condensation; humidity control value preset and fixed Load control: Manual/automatic switching **Technical specifications:** Operating power: AC220V (±10%) Frequency: 50/60Hz Activation: When humidity ≥85%RH ±5% (or customer-specified value) Deactivation: When humidity ≤ Activation value – 10% Control: Manual/automatic switching, control one load channel Output: Active contact output (normally open), rated power resistive load AC220V 5A Dimensions: 48×48×78mm³ Cutout dimensions: 45×45 mm² **Installation methods** 1. Base (DIN rail) mounting 2. Flush mounting
	SK-1(TH)		

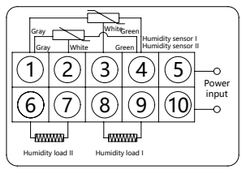
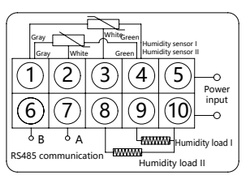
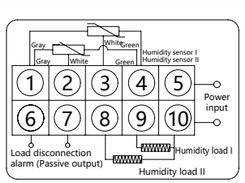
■Dual-Channel Humidity Controller

Product Photo	Model	Wiring Diagram	Descriptions
	S2K(TH)		**Main functions:** Two independent condensation control units; can monitor two different environments simultaneously or provide dual protection for the same environment; humidity control value preset and fixed. Load control: Manual/automatic switching **Technical specifications:** Operating power: AC220V (±10%) Frequency: 50/60Hz Activation: When humidity ≥85%RH ±5% (or customer-specified value) Deactivation: When humidity ≤ Activation value – 10% Control: Manual/automatic switching, control two load channels Output: Active contact output (normally open), rated power resistive load: AC220V 5A Dimensions: 48×48×78mm³ Cutout dimensions: 45×45 mm² **Installation methods** 1. Base (DIN rail) mounting 2. Flush mounting
	S2K-1(TH)		

■Single-Channel Digital Display (Precision) Humidity Controller

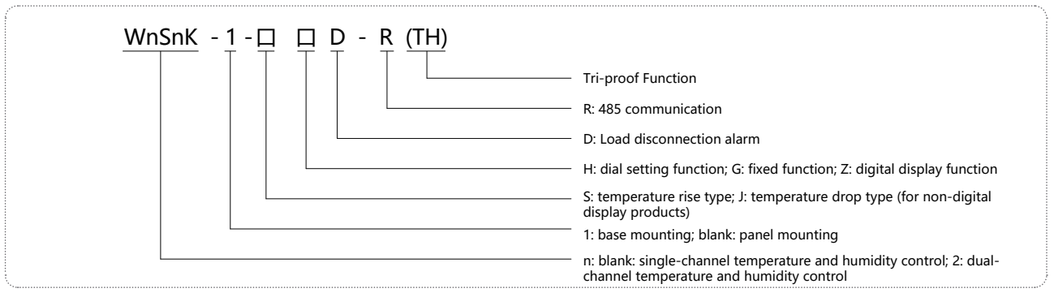
Product Photo	Model	Wiring Diagram	Descriptions
	SK-Z(TH)		**Main functions:** One-channel humidity digital display monitoring, display ambient humidity and activation humidity digitally, activation value set by user via tactile switch. User can also activate forced heating/dehumidification using panel button. Load control: Manual/automatic switching **Technical specifications:** Control range: Humidity 10~99%RH (or user-specified range) Differential: Humidity: 1~20% (adjustable) Precision: Humidity error: ±5% RH Resolution: 1RH% Sampling period: 2 times/second Control output: Active contact output (normally open) Load capacity: 1x operating voltage, rated power resistive load: AC220V 5A Dimensions: 48×48×78mm³ Cutout dimensions: 45×45 mm² **Installation methods** 1. Base (DIN rail) mounting 2. Flush mounting
	SK-Z-R(TH)		
	SK-1Z(TH)		

■Dual-Channel Digital Display (Precision) Humidity Controller

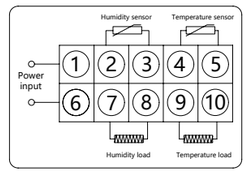
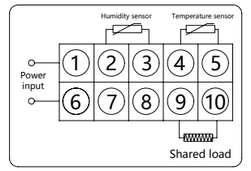
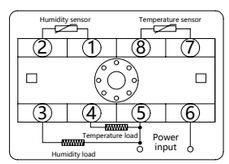
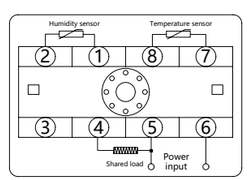
Product Photo	Model	Wiring Diagram	Descriptions
	S2K-Z(TH)		**Main functions:** Two-channel humidity digital display monitoring, display ambient humidity and activation humidity digitally, activation value set by user via tactile switch. User can also activate forced heating/dehumidification using panel button. Also feature forced activation, RS485 communication (optional), and load disconnection alarm (optional). Load control: Manual/automatic switching Technical specifications: Control range: Humidity 10~99%RH (or user-specified range) Differential: Humidity: 1~20% (adjustable) Precision: Humidity error: ±5% RH Resolution: 1RH% Sampling period: 2 times/second Control output: Active contact output (normally open) Load capacity: 1x operating voltage, rated power resistive load: AC220V 5A Dimensions: 48×48×78mm³ Cutout dimensions: 45×45 mm² **Installation methods** 1. Flush mounting
	S2K-Z-R(TH)		
	S2K-ZD(TH)		

WSK Series Temperature Controller

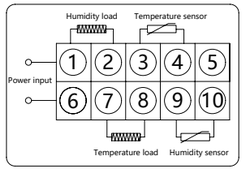
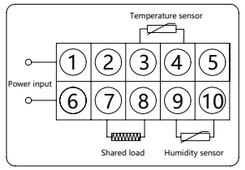
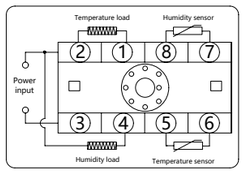
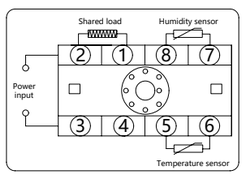
Model Descriptions



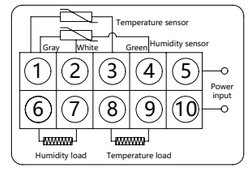
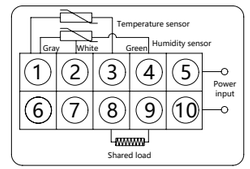
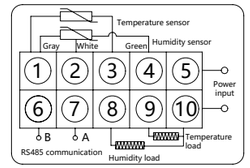
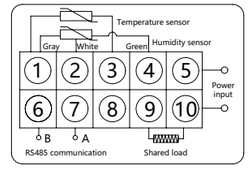
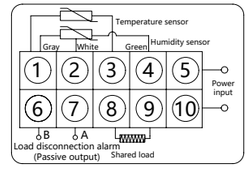
■Dial-Type Temperature Controller (Adjustable Temperature)

Product Photo	Model	Wiring Diagram	Descriptions
	WSK-H（TH）		**Main functions:** One condensation monitoring unit + one dial-adjustable temperature monitoring unit; provide real-time monitoring of ambient temperature and humidity, automatically control loads to ensure temperature meets working standards while effectively preventing condensation; available in temperature rise type and temperature drop type. **Technical specifications:** Operating power: AC220V (±10%) Frequency: 50/60Hz Temperature control range: Temperature drop type: 0~95°C; Temperature rise type: -40~+55°C Differential: Temperature: 4~7°C; humidity: 5%RH Precision: Temperature error: ±2°C; Humidity error: ±5% RH Condensation activation: 85%RH ±5%RH (at 20°C) Response speed: Typical value: ≤5s Output: Active contact output (normally open), AC220V 5A Load capacity: 1x operating voltage, rated power resistive load: AC220V/5A Dimensions: 48×48×78mm³ Cutout dimensions: $45^{+0.5}$×$45^{+0.5}$mm² **Installation methods** 1. Base (DIN rail) mounting 2. Flush mounting
	WSK-H（TH） Shared load		
	WSK-1H（TH）		
	WSK-1H（TH） Shared load		

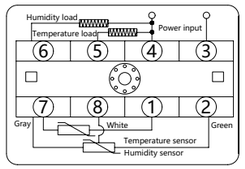
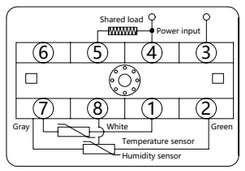
■Fixed Temperature and Humidity Controller

Product Photo	Model	Wiring Diagram	Descriptions
	WSK-G（TH）		**Main functions:** One temperature monitoring unit + one humidity monitoring unit; quickly activate heater to dehumidify when condensation occurs or ambient temperature falls below preset value, effectively preventing condensation and restoring normal temperature; available in temperature rise type and temperature drop type. **Technical specifications:** Operating environment (for monitor): Temperature: -25~+120°C, relative humidity: ≤ 95%RH Activation: When humidity ≥85%RH ±5% (or customer-specified value) Deactivation: When humidity ≤ activation value – 10% Temperature control: Temperature rise type: activation at ≤5°C±2°C, de-activation at ≥15°C±2°C Temperature drop type: Activation at ≥45°C±2°C, de-activation at ≤ 30°C±2°C Response speed: Typical value: ≤5s Output: Active contact output (normally open), rated power resistive load: AC220V 5A Load capacity: 1x operating voltage, rated power resistive load: AC220V/5A Power consumption:≤5W Dimensions: 48×48×78mm³ Cutout dimensions: $45^{+0.5}\times45^{+0.5}$mm² **Installation methods** 1. Base (DIN rail) mounting 2. Flush mounting
	WSK-G（TH） Shared load		
	WSK-1G（TH）		
	WSK-1G（TH） Shared load		

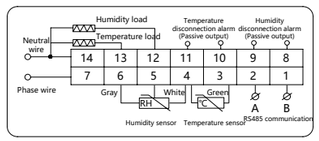
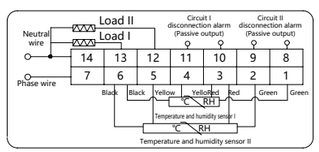
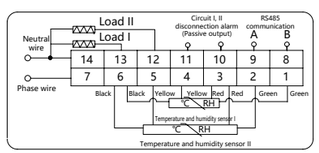
■Digital Display (Precision) Temperature and Humidity Controller

Product Photo	Model	Wiring Diagram	Descriptions
	WSK-Z（TH）		**Main functions:** One-channel temperature monitoring + one-channel humidity monitoring; digital cycling display of temperature and humidity values. Adjust temperature/humidity to preset values, automatically control corresponding loads to prevent condensation; user selects temperature rise/drop or dehumidification mode via panel button; automatically cut off load power if temperature or humidity sensor fails to protect other equipment. User can set forced heating/dehumidification via panel button. **Technical specifications:** Operating power: AC220V (±10%), frequency:50/60Hz Control range: Temperature: -40~120°C (or user-specified range); Humidity:10~99%RH Precision: Temperature: ±2°C; Humidity: ±5%RH Differential control: Temperature: 1~20°C (adjustable); Humidity: 10~20%RH (adjustable) Resolution: 1RH% Sampling period: 2 times/second Control output: Active contact output (normally open), AC220V 5A Load capacity: 1x operating voltage, rated power resistive load: AC220V 5A Dimensions: 48×48×78mm³ Cutout dimensions: $45^{+0.5}\times45^{+0.5}$mm² **Installation methods** Flush mounting
	WSK-Z（TH） Shared load		
	WSK-Z-R（TH）		
	WSK-Z-R（TH） Shared load		
	WSK-ZD（TH） Shared load		

■Single-Channel Digital Display (Precision) Temperature and Humidity Controller

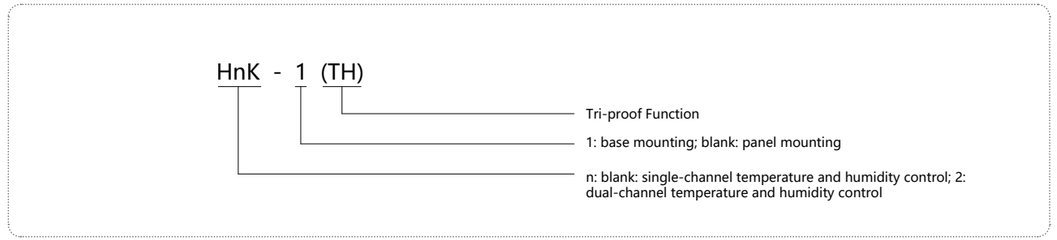
Product Photo	Model	Wiring Diagram	Descriptions
	WSK-1Z（TH）		**Main functions:** Power on **Technical specifications:** Power on **Installation methods** Base (DIN rail) mounting
	WSK-1Z（TH） Shared load		

■Dual-Channel Digital Display (Precision) Humidity Controller

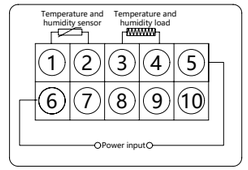
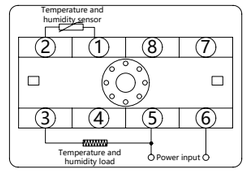
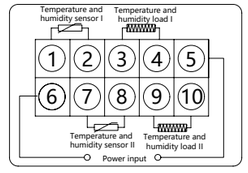
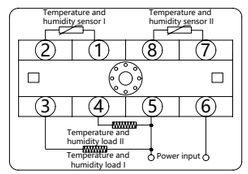
Product Photo	Model	Wiring Diagram	Descriptions
	WSK-2ZD-R(TH)		**Main functions:** Two-channel temperature monitoring + two-channel humidity monitoring; digital cycling display of temperature and humidity values. Adjust temperature/humidity to preset values, automatically control corresponding loads to prevent condensation. After user sets the activation value, automatically control corresponding load to perform heating/cooling or dehumidification modes, and adjust the temperature and humidity to the preset values; automatically cut off load power if temperature or humidity sensor fails to protect other equipment. User can set forced heating/dehumidification via panel button. Feature load disconnection alarm output for remote control convenience. **Technical specifications:** Operating power: AC220V (±10%), frequency: 50/60Hz Control range: Temperature: -40~120°C (or user-specified range); Humidity:0~99%RH Differential: Temperature: 1~25°C (adjustable); Humidity: 1~25% (adjustable) Precision: Temperature error: ±2°C; Humidity error: ±5% RH Resolution: 1RH% Sampling period: 2 times/second Control output: Two-channel active output, AC250V/5A (normally open) Disconnection alarm: Passive contact output (normally open), AC220V/5A Load capacity: 1x operating voltage, Rated power resistive load: AC220V/5A Dimensions: 72×72×116mm³ Cutout dimensions: $67^{+0.5}\times67^{+0.5}$mm² **Installation methods** Flush mounting
	W2S2K-ZD(TH) (4-core cable)		
	W2S2K-ZD-R（TH） (4-core cable)		

HK Series Temperature Controller

Model Descriptions



■HK Temperature and Humidity Controller

Product Photo	Model	Wiring Diagram	Descriptions
	HK（TH）		**Main functions:** One or two shared temperature and humidity monitoring units; activate heater quickly to dehumidify when condensation occurs or ambient temperature falls below preset value, effectively preventing condensation and restoring normal temperature; manual/automatic switching. **Technical specifications:** Operating power: AC220V (±10%), frequency:50/60Hz Condensation activation: Humidity ≥ 85%RH±5% – activate load; differential: 5%RH Temperature control: Temperature rise type: activation at ≤5°C±2°C, de-activation at ≥15°C±2°C; Response speed: Typical value: ≤5s Output: Active contact output (normally open), AC220V 5A Load capacity: 1x operating voltage, rated power resistive load: AC220V/5A Dimensions: 48×48×78mm³ Cutout dimensions: $45^{+0.5}\times45^{+0.5}$mm² **Installation methods** 1. Base (DIN rail) mounting 2. Flush mounting
	HK-1（TH）		
	H2K（TH）		
	H2K-1（TH）		

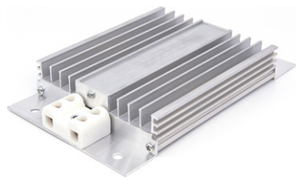
DJR Auxiliary Heater Series

ModelDescriptions

DJK - □ □

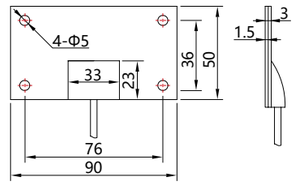
- S: Aluminum alloy (comb type), G: Silica gel
- Power rating (e.g., 0.5 = 50W, 1.0 = 100W)
- Heater

■DJR-S Aluminum Alloy Heater Series

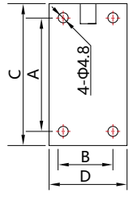
Product Photo	Main technical indicators	Outline and mounting dimensions
	Operating power: AC/DC 220V Frequency: 50Hz Insulation resistance: > 50MΩ Dielectric strength (terminal to surface): >2000VAC/1min Continuous service life: >50,000h Rated power: 50~150W Power tolerance: ≤ ±5% Continuous service life: >50,000h	

Model	Power W	Length X width X height (mm) L	W	H	Hole spacing mm	Hole diameter area mm
DJR-0.5-S	50	145	73	27	55	5.5
DJR-0. 75-S	75	145	73	27	55	5.5
DJR-1.0-S	100	160	100	30	67	5.5
DJR-1.5-S	150	160	100	30	67	5.5
DJR-2.0-S	200	160	100	30	67	5.5
DJR-3.0-S	300	164	100	24	67	5.5
DJR-5.0-S	500	164	100	24	67	5.5

■DJR-S Aluminum Alloy Heater Series

Product Photo	Main technical indicators	Outline and mounting dimensions
	Operating power: AC/DC 220V Frequency: 50Hz Insulation resistance: > 50MΩ Dielectric strength (terminal to surface): >2000VAC/1min Continuous service life: >50,000h Rated power: 20~30W Power tolerance: ≤ ±5% Continuous service life: >50,000h Standard cable length: 2.5m	

Model	Power W
DJR-0.2-G	20
DJR-0.25-G	25
DJR-0.3-G	30

	Operating power: AC/DC 220V Frequency: 50Hz Insulation resistance: > 50MΩ Dielectric strength (terminal to surface): >2000VAC/1min Continuous service life: >50,000h Rated power: 25~150W Power tolerance: ≤ ±5% Continuous service life: >50,000h Standard cable length: 2.5m	

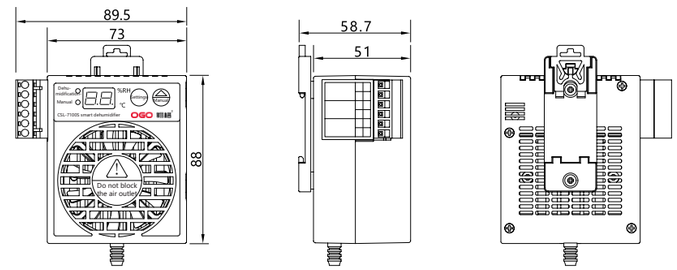
Model	Power W	Outline dimension A x B mm*mm	Mounting dimension C x D mm*mm
DJR-0.25-G	25	150*90	135*76
DJR-0.3-G	30	150*90	135*76
DJR-0.5-G	50	150*90	135*76
DJR-0.75-G	75	150*90	135*76
DJR-1.0-G	100	185*120	170*106
DJR-1.5-G	150	185*120	170*106

Smart Dehumidifier Series for Switchgear

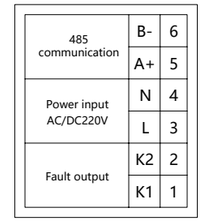
■Model CSL-7100S (15W, plastic housing)

Product Photo	Data name	Technical parameters	Data name	Technical parameters
	Operating power	AC/DC220V	Dehumidification efficiency	150~180mL/day
	Applicable dehumidification space	≤1m³	Dehumidification temperature	2℃~60℃
	Dehumidification power	≥15W	Operating temperature	-25℃~85℃
	Dehumidification activation value setting	50%RH ~ 95%RH	Temperature activation value setting	1℃~30℃
	Humidity measurement accuracy	±5%RH	Temperature measurement accuracy	±1℃
	Display mode	Digital cyclic display	Communication mode	RS485
	Dehumidification mode	Automatic/manual	Overall dimensions (mm)	73 (L) x 88 (H) x 51 (D)
	Drain tube specification		Silica gel Φ8, L=3m	

Outline and Mounting Dimension Diagram



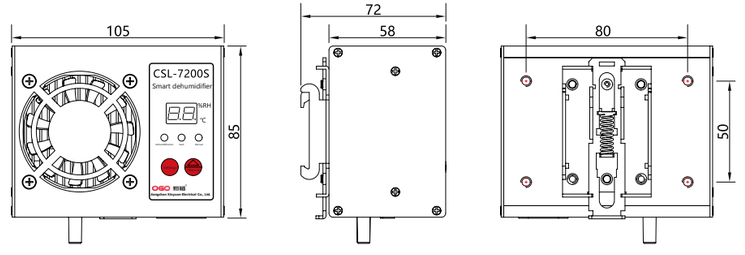
Wiring Diagram



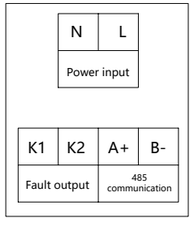
■Model CSL-7200S (15W, aluminum alloy housing)

Product Photo	Data name	Technical parameters	Data name	Technical parameters
	Operating power	AC/DC220V	Dehumidification efficiency	150~180mL/day
	Applicable dehumidification space	≤1m³	Dehumidification temperature	2℃~60℃
	Dehumidification power	≥15W	Operating temperature	-25℃~85℃
	Dehumidification activation value setting	50%RH ~ 95%RH	Temperature activation value setting	1℃~30℃
	Humidity measurement accuracy	±5%RH	Temperature measurement accuracy	±1℃
	Display mode	Digital cyclic display	Communication mode	RS485
	Dehumidification mode	Automatic/manual	Overall dimensions (mm)	105 (L) x 85 (H) x 58 (D)
	Drain tube specification		Silica gel Φ8, L=3m	

Outline and Mounting Dimension Diagram



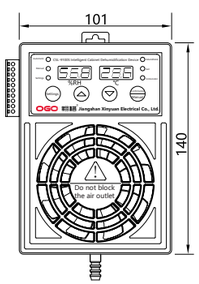
Wiring Diagram

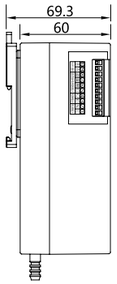


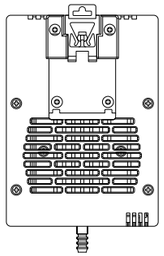
■Model CSL-9100S (30W, plastic housing)

Product Photo	Data name	Technical parameters	Data name	Technical parameters
	Operating power	AC/DC220V	Dehumidification efficiency	200~250mL/day
	Applicable dehumidification space	≤3m³	Dehumidification temperature	2℃~60℃
	Dehumidification power	30W	Operating temperature	-25℃~85℃
	Dehumidification detection range	20%RH~98%RH	Temperature detection range	-20℃~120℃
	Dehumidification activation value setting	50%RH ~ 95%RH	Humidity de-activation value setting	40%RH~80%RH
	Humidity measurement accuracy	±5%RH	Temperature measurement accuracy	±1℃
	Display mode	three digits	Communication mode	RS485
	Display resolution	0.1	Overall dimensions (mm)	101(L)×140(H)×60(D)
	Dehumidification mode	Automatic/manual	Drain tube specification	Silica gel Φ7, L=1.5m

Outline and Mounting Dimension Diagram







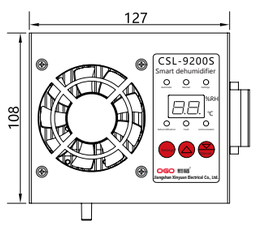
Wiring Diagram

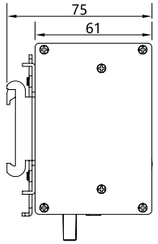
⑩	⑨	⑧	⑦	⑥	⑤	④	③	②	①
B-	A+	Blue	Yellow	Black	Red	K2	K1	N	L
485 communication		Temperature & humidity sensor input				Fault output		Power input	

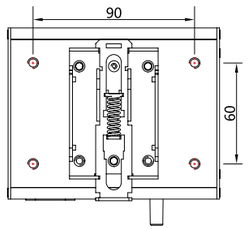
■Model: CSL-9200S (36W, Aluminum Alloy Housing)

Product Photo	Data name	Technical parameters	Data name	Technical parameters
	Operating power	AC/DC220V	Dehumidification efficiency	200~250mL/day
	Applicable dehumidification space	≤3m³	Dehumidification temperature	2℃~60℃
	Dehumidification power	30W	Operating temperature	-25℃~85℃
	Dehumidification detection range	20%RH~98%RH	Temperature detection range	-20℃~120℃
	Dehumidification activation value setting	50%RH ~ 95%RH	Humidity de-activation value setting	40%RH~80%RH
	Humidity measurement accuracy	±5%RH	Temperature measurement accuracy	±1℃
	Display mode	Two rows of three-digit digital display	Communication mode	RS485
	Display resolution	0.1	Overall dimensions (mm)	127 (L) x 108 (H) x 61 (D)
	Dehumidification mode	Automatic/manual	Drain tube specification	Silica gel Φ7, L=1.5m

Outline and Mounting Dimension Diagram







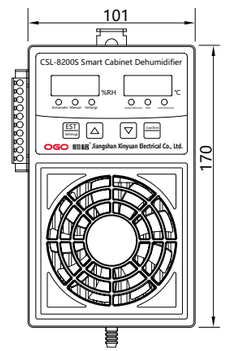
Wiring Diagram

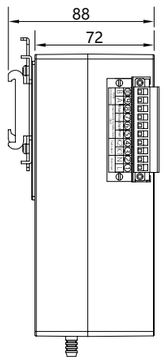
①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩
L	N	K1	K2	Red	Black	Yellow	Blue	A+	B-
Power input		Fault output		Temperature & humidity sensor input				485 communica-	

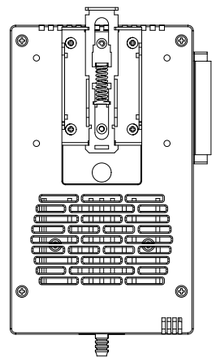
■CSL-8200S (60W, plastic housing)

Product Photo	Data name	Technical parameters	Data name	Technical parameters
	Operating power	AC/DC220V	Dehumidification efficiency	350mL/day
	Applicable dehumidification space	≤5m³	Dehumidification temperature	2℃~60℃
	Dehumidification power	60W	Operating temperature	-25℃~85℃
	Dehumidification detection range	20%RH~98%RH	Temperature detection range	-20℃~120℃
	Dehumidification activation value setting	50%RH~80%RH	Humidity de-activation value setting	50%RH~73%RH
	Humidity measurement accuracy	±5%RH	Temperature measurement accuracy	±1℃
	Display mode	Two rows of three-digit digital display	Communication mode	RS485
	Display resolution	0.1	Overall dimensions (mm)	101 (L) x 140 (H) x 60 (D)
	Dehumidification mode	Automatic/manual	Drain tube specification	Silica gel Φ8, L=3m

Outline and Mounting Dimension Diagram







Wiring Diagram

①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩
L	N	K1	K2	Red	Black	Yellow	Blue	A+	B-
Power input		Fault output		Temperature & humidity sensor input				485 communication	

Short-Circuit and Grounding Fault Indicator Series

■EKL4 Short-Circuit and Grounding Fault Indicator



Technical parameters

01. Short-circuit current alarm: ≥150A continuously adjustable; factory setting: 800A; short-circuit delay: 20-300ms adjustable, factory setting: 60mS
02. Grounding current alarm: 5A-400A continuously adjustable; factory setting: 20A; grounding delay: 20-300ms adjustable, factory setting 200mS
03. Operating power: ER14505 lithium battery 3.6V/1.9Ah (service life not less than 8 years)
04. Standby current: ≤10μA
05. Automatic reset time: 30min-32h (factory setting: 8h)
06. Indicator protection rating: Main unit: IP40; Sensor: IP65
07. Remote relay: 30DC/2A; 125VAC/1A
08. Short-circuit current sensor maximum withstand current: 20KA 4S
09. Operating environment: -40°C~+75°C; relative humidity: ≤95%; waterproof, acid-resistant, salt-fog
10. Application range: Systems up to 20kV

Circuit and Grounding Fault Indicator Selection Table

No.	Model	Functions						Rear View Wiring Diagram
		Short-Circuit Alarm Indication	Grounding Alarm Indication	Low voltage alarm indication	Indication Function Alarm Relay Output	Low voltage alarm relay output	485 Communication	
1	EKL4-3	√	√	×	√	×	×	Figure 3
2	EKL4-4	√	√	×	×	×	×	Figure 2
3	EKL4-5	√	√	√	√	√	×	Figure 4
4	EKL4-6	√	√	√	√	×	√	Figure 5

Outline and Mounting Hole Machining Dimension Diagram

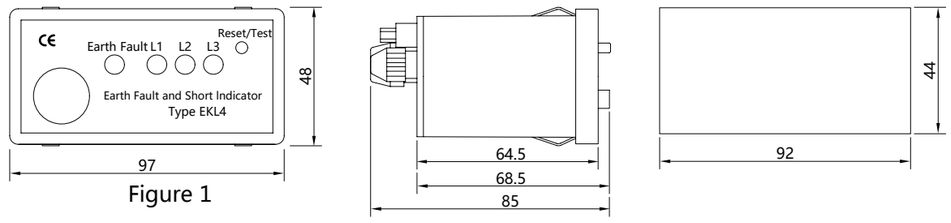


Figure 1

Rear View Wiring Diagram

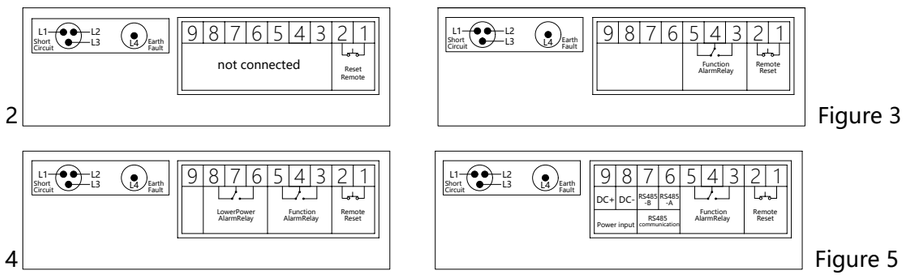


Figure 2 Figure 3 Figure 4 Figure 5

■Panel-mounted Paddle Type Short-circuit Fault Indicator



Technical parameters

01. Short-circuit trip current: four gear positions: 400A, 600A, 800A, 1000A. Trip current tolerance: ±15%.
Notes: When setting the current, the customer shall pull out the internal PCB and adjust the shorting link to set the desired current.
02. Short-circuit delay time: <1s
03. Indicator protection rating: Main unit: IP40; Sensor: IP65
04. Operating environment:-25℃ ~ +75℃
05. Application range: Power systems with voltage levels of 20kV and below

Outline and Mounting Hole Machining Dimension Diagram

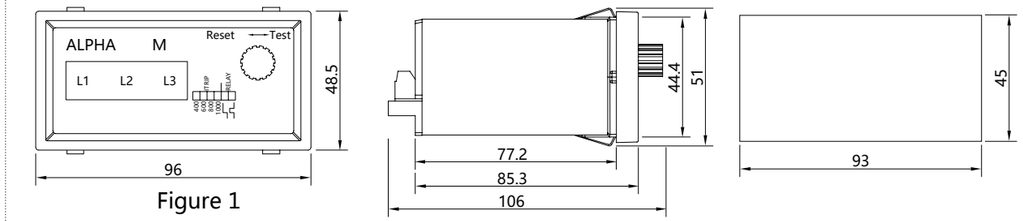


Figure 1

Rear View Wiring Diagram

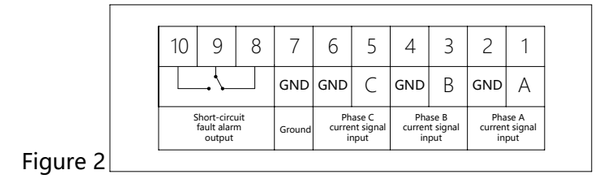


Figure 2

■Cable Type Short-Circuit, Grounding & Flash Fault Indicator



Technical parameters

ESI-3SK cable type short-circuit fault indicator operation judgment criteria:
01. $I_t \geq 350A$ (I_t: sudden change current activation value)
02. $\triangle I \geq 0.5I_0$ ($\triangle I$: current change rate; I_0: line current before short-circuit)
03. I = 0 (I: line current after fault)
04. $0.06S \leq \triangle T \leq 3S$ ($\triangle T$: current sudden change time)
ESI-JD cable type grounding fault indicator operation judgment criteria:
$I_t \geq 20A$ or $I_t \geq 50A$ (I_t: grounding current activation value)

■EKL4-W Current, Temperature and Fault Online Monitor

Technical parameters

01. Short-circuit fault current alarm: 100A~1000A, error: ±10%, factory set per customer requirements
02. Grounding fault current alarm: 4A~120A, error: ±10%, factory set per customer requirements
03. Cable temperature fault alarm:0℃~+120℃, error: ±1℃, factory set per customer requirements
04. Cable real-time current measurement range:4A~1000A, error: ±10%
05. Cable real-time temperature measurement range: 0℃ ~+120℃, error: ±1℃
06. Operating power: ER14505 industrial grade lithium battery: main unit: 3.6V, short-circuit current sensor: 3V; external power supply: AC/DC24~ 48V, precision), current: < 5mA
07. Standby current consumption:≤50μA
08. Automatic reset time: Adjustable (default 24 hours)
09. Protection rating: Main unit: IP40; Electronic CT: IP65
10. Main unit operating environment:-20℃ ~ +75℃
11. Communication method:RS485 communication; support MODBUS protocol
12. Application range: Systems up to 20kV



Outline and Mounting Hole Machining Dimension Diagram

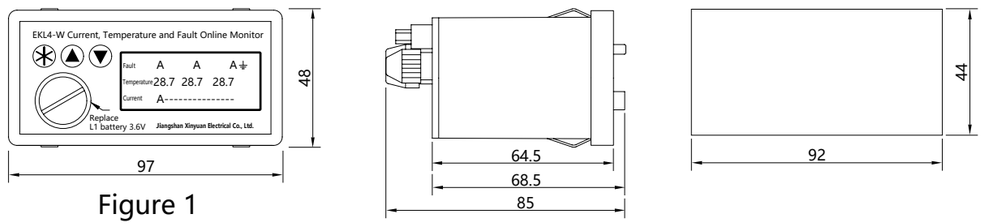


Figure 1

Rear View Wiring Diagram

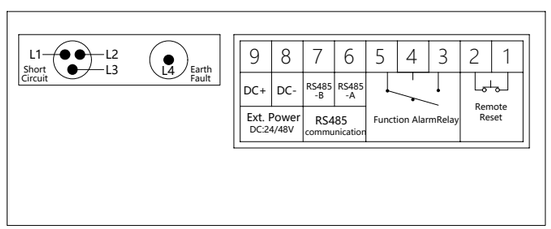


Figure 2

■SCM301 Series Integrated Indicator for Voltage Presence & Short-circuit/Grounding Fault

Model Descriptions

SCM301 □/□ □ □ □
① ② ③ ④ ⑤

① SCM301 Voltage Indicator with fault and grounding fault functions (with short-circuit, grounding fault and voltage indication functions); SCM301N without fault indication function (voltage indication function only);
② Rated voltage level; Indicator type: T – Indication type; Q – Locking type;
③ S indicates voltage sensor capacitance of 20pF;
④ A: Operating power voltage: AC/DC 220V, DC 110V
⑤ D: Operating power voltage: DC 48V, DC 24V



Technical parameters

01. Short-circuit fault trip value default: 800A; Operating temperature: -20-+55℃%; Trip tolerance: ±25%; Delay: 20-300ms;
02. Grounding fault trip value default: 20A; Operating temperature: -20-+55℃%; Trip tolerance: ±20%; Delay: 20-300ms;
03. Operating power: ER14505 lithium battery 3.6V/1.9Ah (service life not less than 8 years)
04. Standby current: ≤5μA
05. Automatic reset time: 12h
06. Indicator protection rating: Main unit: IP40; Sensor: IP65
07. Short-circuit current sensor maximum withstand current: 20KA 4S
08. Operating environment: -40°C~+75°C; relative humidity: ≤95%; waterproof, acid-resistant, salt-fog resistant
09. Application range: Systems up to 20kV

Outline and Mounting Hole Machining Dimension Diagram

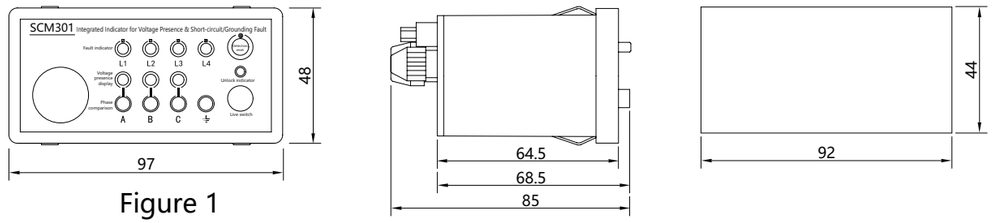


Figure 1

Rear View Wiring Diagram

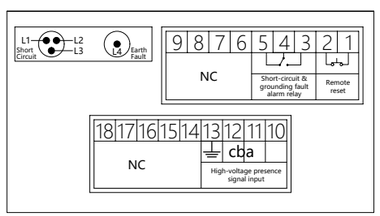


Figure 2

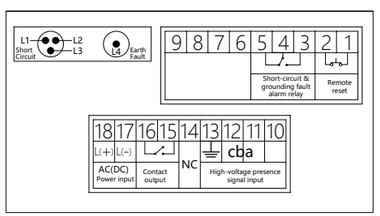


Figure 3

JSN(W)1 Anti-mistake Mechanical Program Lock

■Description of mechanical program locks of common model

Product Photo	Model name	Lock configuration	Operating instructions
	202JS	Two identical single-slot straight-pull locks with one key	Used for dual incoming line primary scheme where simultaneous power supply is not allowed. Used for interlocking between bus-section isolation switchgear and bus-section circuit breaker switchgear.
 	203JS	Three identical single-slot straight-pull locks with two keys	Used for dual power incoming line with intermediate tie primary scheme, allowing only two of the three switches to be in service.
	205JS	One straight-pull lock with one mesh door lock	Dedicated for XGN2-12 switchgear, used for interlocking of one front door and two rear doors.
	206JS	One straight-pull lock with two mesh door locks	Dedicated for XGN2-12 switchgear, used for front and rear door interlocking.

Simplified operating instructions

1. Disconnector lock

For opening: Insert the key into the slot marked "Close", turn the key clockwise until the marking on the key aligns with the marking on the lock body, pull out the lock pin, operate the disconnector handle. After opening, the lock pin resets automatically. Turn the key clockwise continuously until it stops, then remove the key from the slot marked "Open". The lock is now engaged.

For closing: Insert the key into the slot marked "Open", turn the key counterclockwise until the marking on the key aligns with the marking on the lock body, pull out the lock pin, operate the disconnector handle. After closing, the lock pin resets automatically. Turn the key counterclockwise continuously until it reaches the slot marked "Close", then remove the key. The lock is now engaged.

Notes: Generally, do not operate the lock with both hands simultaneously (i.e., one hand turning the key while the other hand pulls the lock pin).

Straight-pull disconnector locks are available in single-slot and double-slot types. During operation, the lock pin extends and retracts as the key rotates. Mainly used for XGN cabinets and ring main units.

2. Cabinet (Mesh) door lock:

To open the door: Insert the key into the keyhole of mesh door lock, turn the key clockwise until it stops, remove the key, then open the mesh door. To close the door: Insert the key into the keyhole of the mesh door lock, close the door properly, turn the key counter-clockwise until it stops, then remove the key. The lock is now engaged.

Remarks: Except for control switch locks, each set of locks has its operating sequence number marked with steel stamp: 1, 2, 3, 4 (opening sequence). Open in sequential order or close in reverse order 4, 3, 2, 1.

Cabinet Lighting

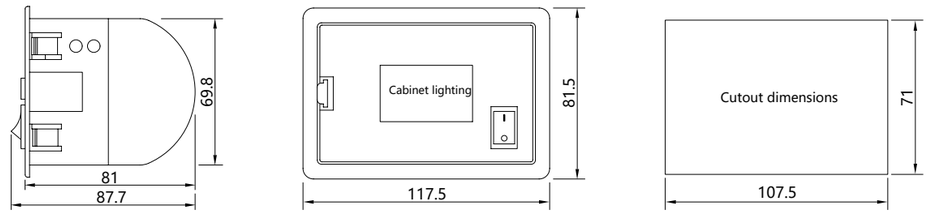
■CM-1 Cabinet Light





Overview
This product is widely used in various types of high-voltage switchgear. Featuring convenient operation, installation, and maintenance, it is the preferred lighting solution for high-voltage switchgear.
Technical parameters
1. Input Voltage: AC 220V
2. Frequency: 50Hz
3. Power: 25W, 40W, 60W

Overall Dimensions and Mounting Hole Machining Dimensions



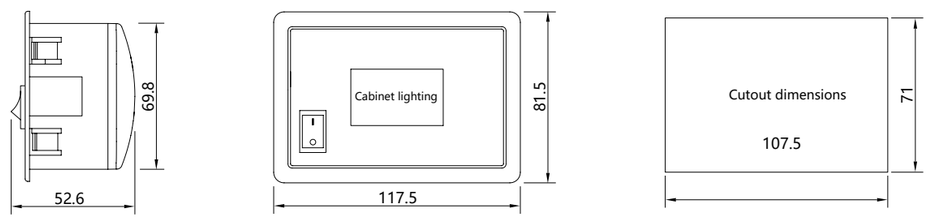
■CM-L2 Cabinet Light





Overview
For CM-L2 cabinet light, high-brightness LED is used as lighting source and is specifically designed for instrument compartment lighting of various types of switchgear or internal lighting of other electrical equipment.
Technical parameters
1. Input voltage: AC/DC 85–240V
2. Power: 3.3W
3. Operating temperature: -45 ~ +50 ℃
4. Light color: Pure white; Luminous flux: 70 LM
5. Protection rating: IP20

Overall Dimensions and Mounting Hole Machining Dimensions

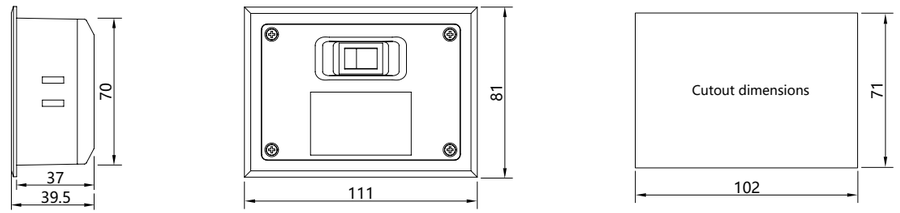


■CM-L3 Explosion-Proof Cabinet Light



Overview
For CM-L3 explosion-proof cabinet light, high-brightness LED lamp beads are used as light source, and housing is made of aluminum alloy. It is specifically designed for lighting applications in instrument compartments of various switchgear or other electrical equipment.
Technical parameters:
Technical parameters
1. Input voltage: AC/DC 85~240 V, power consumption: ≤ 2.5W
2. Operating temperature: -25 ~ +50 ℃
3. Light color: Pure white; Luminous flux: 70 LM
4. Protection rating: IP20

Overall Dimensions and Mounting Hole Machining Dimensions

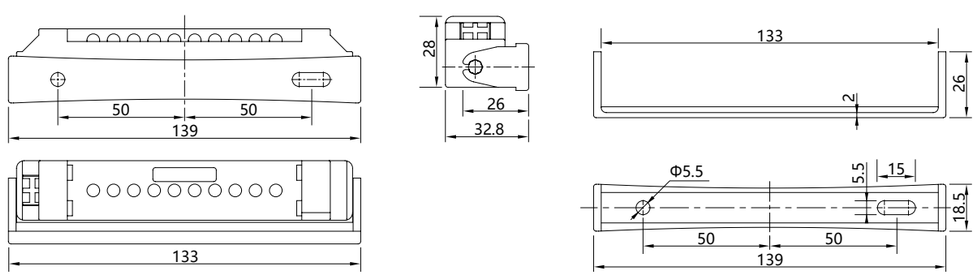


■LL10-W Cabinet Explosion-proof Light



Overview
For LL10-W cabinet light, LED is used as lighting source and is specifically designed for instrument compartment lighting applications in various types of switchgear.
Technical parameters
1. Input voltage: AC/DC 110–230V; Power: 2.2W
2. Operating temperature: -25~+50℃
3. Light color: Pure white; Luminous flux: 70 LM
4. Protection rating: IP20

Overall Dimensions and Mounting Hole Machining Dimensions

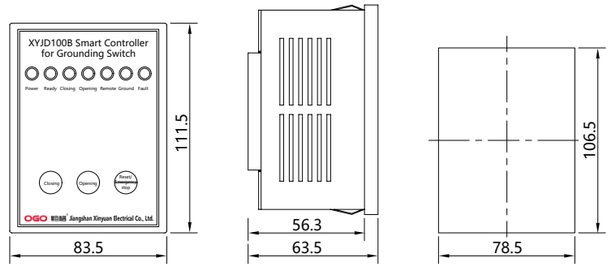


Smart Controller for Grounding Switch

■XYJD100B Smart Controller for Grounding Switch



Overall Dimensions and Mounting Hole Machining Dimensions



- Power supply: AC/DC 220V
- Maximum output power: 240W
- Storage environment: -40℃~85℃，<98%RH
- Operating environment:-20℃~55℃，<95%RH
- Dielectric strength: Between housing and terminal ≥AC 2kV/60s, 50Hz
- Insulation resistance: Between housing and terminal≥100MΩ
- Anti-interference: Complies with GB/T 17626.4-2008 Level 3
- Power consumption: ≤3W
- Mechanical Life:≥2000
- Mounting method: Embedded

Overall Dimensions and Mounting Hole Machining Dimensions

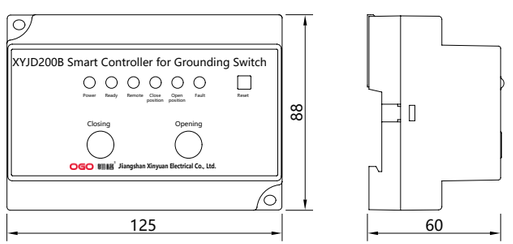
		Common terminal 10
		Remote mode 11
		Remote reset 12
1	AC/DC+	Remote opening 13
2	AC/DC-	Remote closing 14
3	Motor+	Local mode 15
4	Motor-	Local opening 16
5	Fault	Local closing 17
6	Fault	Manual priority 18
7		Close position 19
8	RS485_A	Open position 20
9	RS485_B	Interlock input 21

■XYJD200B Smart Controller for Grounding Switch

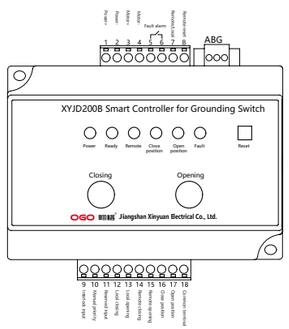
- Power supply: AC/DC 220V
- Maximum output power: 240W
- Storage environment: -40°C ~ 85°C, <98% RH
- Operating environment: -20°C~55°C, <95% RH
- Dielectric strength: Between housing and terminal ≥AC 2kV/60s, 50Hz
- Insulation resistance: Between housing and terminal≥100MΩ
- Anti-interference: Comply with standard of Level 3 in GB/T 17626.4-2008
- Power consumption: ≤3W
- Fault output contact: 3A, AC220V
- Mounting method: DIN rail type



Overall Dimensions and Mounting Hole Machining Dimensions



Terminal Wiring Diagram



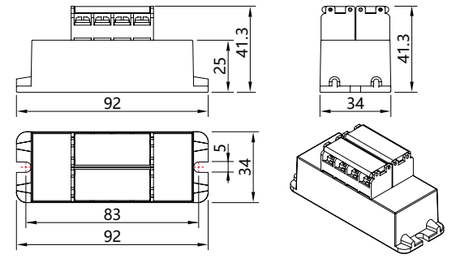
CT Open-circuit Protection Device

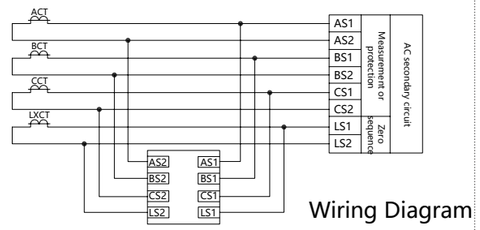
■ XY-FKL-L4 Open-circuit Protection Device



Main technical indicators
Normal leakage current IL20V:≤40μA
Input resistance:>50MΩ
Turn-on voltage (start-up voltage): 36V (adjustable according to customer requirements, adjustment range: 8.5V~220V)
Voltage after turn-on (start-up): <2V
Turn-on time: Ts≤10ms
Protection current:5A
Reset mode: Automatic reset

Overall Dimensions and Mounting Hole Machining Dimensions





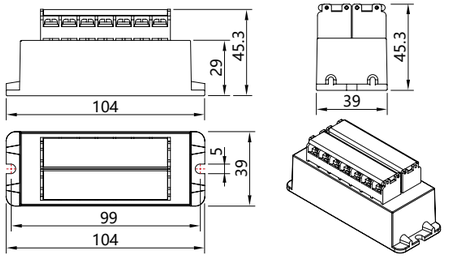
Wiring Diagram

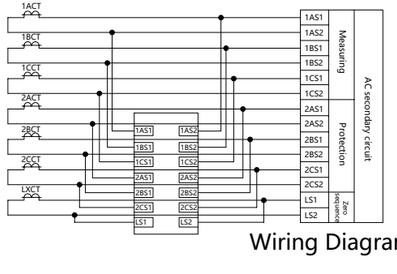
■ XY-FKL-L7 Open-circuit Protection Device



Main technical indicators
Normal leakage current IL20V:≤40μA
Input resistance:>50MΩ
Turn-on voltage (start-up voltage): 36V (adjustable according to customer requirements, adjustment range: 8.5V~220V)
Voltage after turn-on (start-up): <2V
Turn-on time: Ts≤10ms
Protection current:5A
Reset mode: Automatic reset

Overall Dimensions and Mounting Hole Machining Dimensions





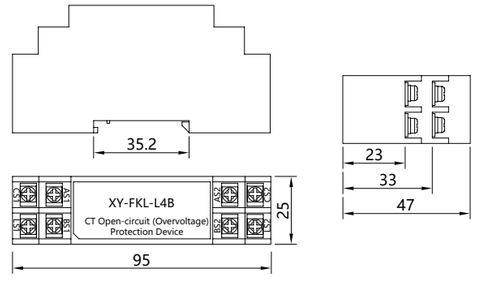
Wiring Diagram

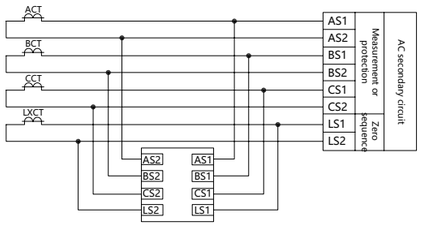
■ XY-FKL-L4B Open-circuit Protection Device



Main technical indicators
Normal leakage current IL20V: ≤40μA
Input resistance:>50MΩ
Turn-on voltage (start-up voltage): 25V~32V
Voltage after turn-on (start-up): ≤2V
Turn-on time: Ts ≤10ms
Protection current:5A
Reset mode: Automatic reset

Overall Dimensions and Mounting Hole Machining Dimensions





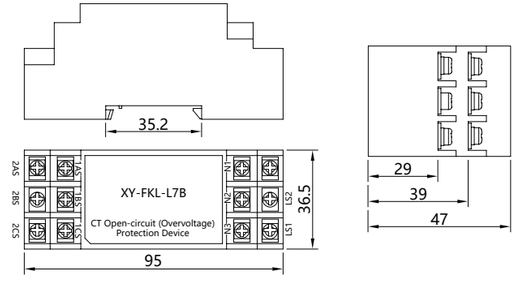
Wiring Diagram

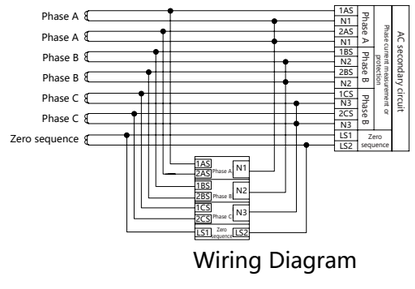
■XY-FKL-L7B Open-circuit Protection Device



Main technical indicators
Normal leakage current IL20V: ≤40μA
Input resistance:>50MΩ
Turn-on voltage (start-up voltage): 25V~32V
Voltage after turn-on (start-up): ≤2V
Turn-on time: Ts ≤10ms
Protection current:5A
Reset mode: Automatic reset

Overall Dimensions and Mounting Hole Machining Dimensions





Wiring Diagram

Temperature Controller for Dry-type Transformer

I. Overview

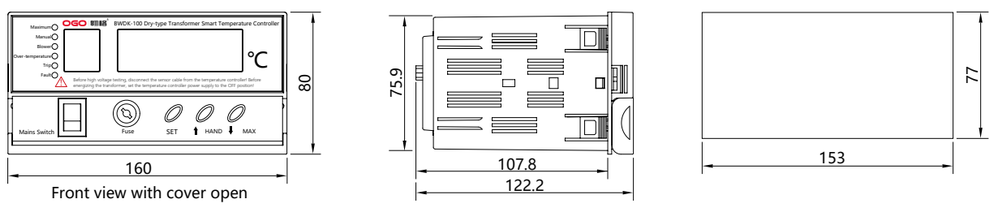
BWDK-201 series dry-type transformer smart temperature controller (hereinafter referred to as dry-type transformer temperature controller) is the product developed for three-phase dry-type transformers to measure and control winding temperature. It is suitable for dry-type power transformers of various specifications. Dry-type transformer temperature controller can automatically start and stop the fans, effectively control the transformer temperature, and features over-temperature alarm and over-temperature trip functions. It also provides product self-test and multiple fault audible/visual alarms. It can monitor and adjust the transformer temperature in real time, thereby improving safety and stability of the transformer, extending its service life, and reducing maintenance costs.
The product has excellent environmental tolerance and electromagnetic compatibility performance. Careful circuit design, unique anti-interference technology, selection of high-quality components, "three-proof" treatment of circuit components, and strict live aging and factory testing ensure long-term operational reliability. The product complies with JB/T7631-2005 Electronic Temperature Controller for Transformers.

II. Technical Parameters

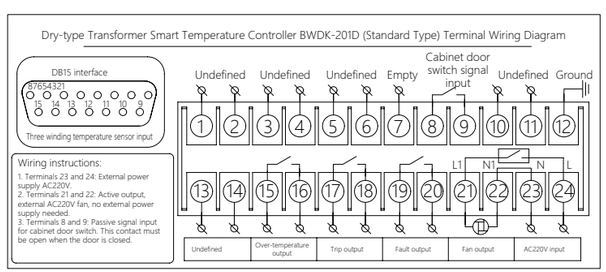
Power supply: AC 220V/50Hz
Voltage tolerance: ±10%
Operating environment: -20~55°C, <90% RH, altitude below 2000m
Temperature measurement range: -30~240°C, measurement accuracy: ±1°C
Sensor: Pt100 platinum, three-wire system
Relay output capacity: Fan 8A/250V, Control 5A/250V
Overall power consumption: <8W
Dielectric strength: Between housing and terminal ≥AC 2kV/60s, 50Hz
Insulation resistance: Between housing and terminal ≥100MΩ
EMC Electromagnetic compatibility: Comply with standard of Level 3 in GB/T 17626.4-2008
Mounting method: Embedded mounting



Outline and Mounting Hole Machining Dimension Diagram



Rear View Wiring Diagram

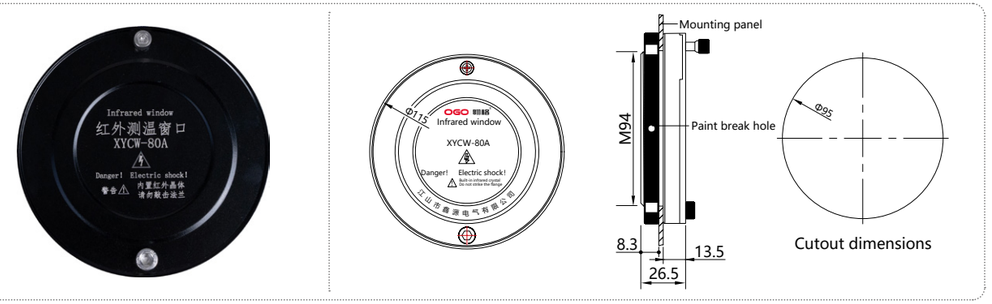


Infrared Temperature Measurement Window

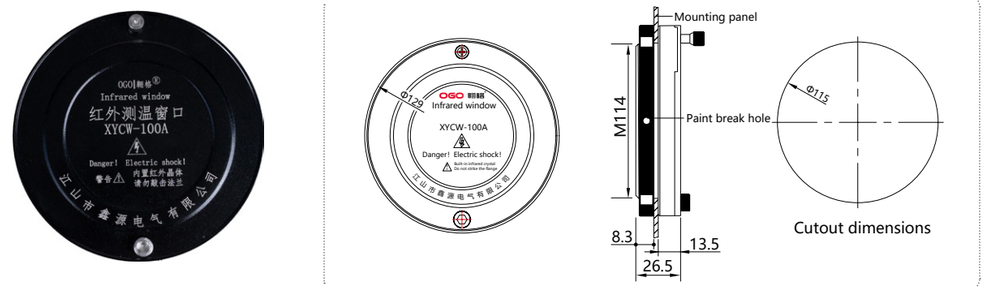
XYCW Series Infrared Temperature Measurement Window Product Features

- Intuitive: Full-band multi-spectrum, transmission range 0.15μm-14μm, can transmit infrared, ultraviolet, and visible light; suitable for all current infrared thermal imagers, infrared point thermometers, and ultraviolet thermal imagers for inspection.
- Safe: Enable continuous live non-destructive testing of contact temperature and observation, avoiding hazards of electromagnetic radiation, high voltage, high temperature, etc., safely achieving live temperature measurement of various high-temperature equipment such as electrical cabinets.
- Cost-saving: Live temperature measurement, without interrupting production or interfering with equipment operation, saving significant costs.
- Double-layer sealing: Don't reduce protection rating of original equipment. Waterproof rating complies with IP67 per NF EN60529 standard; impact resistance complies with IK07 per NF EN60529 standard; also complies with CB2006/3906 standard.
- High transmittance, strong arc-flash explosion-proof performance.
- Vertical mounting, fast and easy to operate.
- Long service life, no special maintenance required.

■XYCW-80A Infrared Temperature Measurement Window



■XYCW-100A Infrared Temperature Measurement Window



■XYCW-100F Infrared Temperature Measurement Window

