



CAN100S CAN Relay

Description

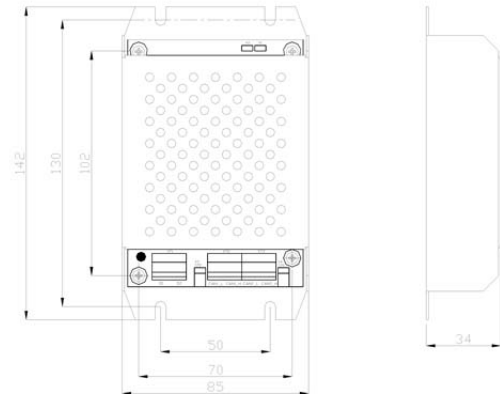
The CAN relay module is to extend CAN network distance. And when the network nodes are over limited, the relay can expand system capacity. The control panel needs a relay for building a star topology and two relays for a ring topology.

Features and Benefits

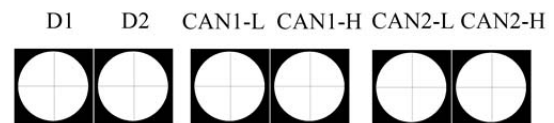
- 24VDC powered.
- Increase 3000 meters of network distance.
- Expand network nodes capacity. Max. 112 nodes under each relay.

Terminals and Installation Holes

The relay should be mounted in a dry and safe place. Water and mice may cause problem.



Terminals of the module are shown below.



CAN1-L, CAN1-H: Network input terminals, polarized.

CAN2-L, CAN2-H: Network output terminals, polarized.

D1, D2: 24VDC power supply, non-polarized.

Recommended Cabling

1.0 mm² or above RVS twisted pair for polarity-insensitive signal loop
1.5mm² or above BV cable for 24VDC power line.

Application

The relay is used to build network topology, applicable for the places where requires high reliability. The typical connection is shown below.

Technical Specification

Working voltage	24VDC(19.2VDC~28.8VDC)
Standby Current	50mA
Max. Operating Current	100mA
Compatibility	Max. 112 nodes under each relay.
Extension Distance	3000m
End of line	120Ω (built-in on board)
Operating Environment	Temperature: 0°C ~ +40°C Relative Humidity: ≤95%, non condensing.
Dimension	85mm × 142mm × 34mm
IP Rate	IP30

Ordering Information and Compatible Products

Part No.	CAN100S
Device Name	CAN Relay
Order Code	1661886
Compatible Products	P-9960 Network card P-9960A Network card P-9965 Network card P-9965A Network card