

Parameters

Electrical Parameters:

Working power	15-30VDC Class 2
Static power consumption	15mA/DC24V
Dynamic power consumption	40mA/DC24V
Output channel	8CH/10A
Relay	16A Mag. latching relay
Max current in each channel	10A
Electronic life time of relay	>60000 (Resis. Load)
Protection	Connect a breaker in each channel

Environmental Conditions:

Working temperature	-5°-45°C
Working relative humidity	Up to 90%
Storage temperature	-20°-+60°C
Storage relative humidity	Up to 93%

Approved:

CE, RoHS, UL, CQC

Product Information:

Dimensions	144×90×66 (mm)
Weight	361g
Housing material	Nylon, PC
Installation	35mm DIN rail installation
Protection degree	IP20
Installation position	Distribution box (DB)

Installation Steps

- 35mm DIN rail Installation, inside DB box.
- Mark up for each output connection cable.
- Connect the load and PieroNet cable.
- Check if there is any short circuit in output connection cable.
- Check the PieroNet connection, avoid any mistakes.
- Isolate the high power and low power.
- Tighten the screw again for all of terminal
- Ratings for each output contacts:
 - 250V, 10A, Resistive, 100,000 cycles, 40°C;
 - 250V, 1HP (8FLA/48LRA), Motor, 6,000 cycles, 40°C;
 - 250V, 6A, Tungsten, 6,000 cycles, 40°C;
 - 250V, 6A, Standard Ballast, 6,000 cycles, 40°C;
 - 120V, 0.5HP (9.8FLA/58.8LRA), Motor, 20,000 cycles, 40°C;
 - 120V, 10A, Tungsten, 20,000 cycles, 40°C;
 - 120V, 10A, Electronic Ballast, 20,000 cycles, 40°C;
 - 120V, 10A, Standard Ballast, 6,000 cycles, 40°C;

Overview



SW8 Intelligent Relay Module, has 16A launching relay inside, Zero power consumption and high reliability. The relay's communication interface is PieroNet Pro, which is based on RS485 protocol.

Functions

- 8-channel Relay output unit.
- You can select specified scene or scene before power off when the device restarts
- Supports PieroNet online upgrading.
- Communication: PieroNet.

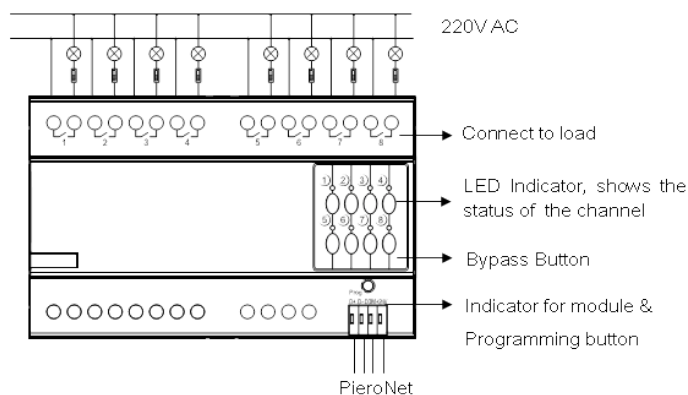
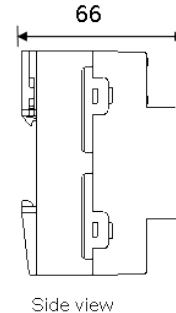
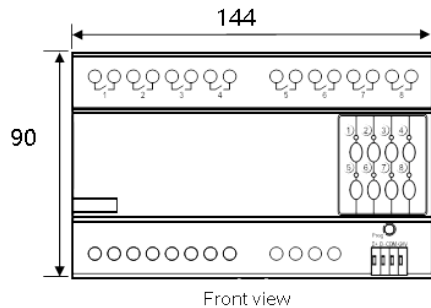
Important Notes

- PieroNet cable - 0.8mm single-core copper cable.
- PieroNet connection - Series connection (hand-in-hand).
- Output channel - The following list is the recommended load for output channel. To protect the relay, please connect a 10A breaker for each channel.
- Recommended load type and power.

PieroNet Cable Guide

CAT5/CAT5E	PieroNet
Brown/ Orange	24V DC
Brown white/ Orange white	COM
Blue white / Green white	DATA-
Blue/ Green	DATA+

Dimensions and Wiring



Module indicator: Flickers when the module is working properly. Keep pressing the indicator for 3 seconds, it will turn to red, then user can read and modify the address of the module in the software.

Safety Precautions



- The screw down strength should not exceed 0.4Nm.
- Connect a breaker or fuse with each channel.
- Current in each channel is less than 10A.
- Do not make wrong connection on PieroNet interface, it will damage the PieroNet interface of this module.
- Avoid the rain or water into module, it will damage this device.
- Do not get AC voltage into PieroNet wire, it will damage all devices in the system.
- Ensure good ventilation.
- Avoid contact with liquids and aggressive gases.
- **CAUTION - Risk of Electric Shock - More than one disconnect switch may be required to de-energize the equipment before servicing**

Package Contents

- SW8
- Datasheet*1
- PieroNet terminal *1