

# WI-RL-8

## 8 CHANNEL RELAY MODULE



Sonetnix WI-RL-8 is an 8 channel relay module designed for smart automation of various electrical loads. It supports both S-NET (RS-485) and 2.4 GHz Wi-Fi communication for flexible integration with automation systems.

- Controls 8 independent relay channels
- 10A per channel, 80A total load capacity
- Supports S-NET (RS-485) and Wi-Fi communication
- Ideal for lighting, motors, fans, and other appliances
- DIN rail mountable for easy and secure installation
- Reliable performance with advanced safety features



8 CHANNEL  
RELAY OUTPUT



DIN RAIL  
MOUNTING



WI-FI &  
RS-485



HIGH  
RELIABILITY

### OTHER FEATURES

- ✓ 8 channels of relay controller for ballast cut-off or switching of other lighting loads such as incandescent, motors and exhaust fans
- ✓ 8 channels, standard type @10A per channel
- ✓ Rated 10Amps per channel, 80Amps total at 220-240 Volts AC
- ✓ Restores channel status upon power reset
- ✓ LEDs on the modules indicate communication to a Sonetnix network, input power to the module, and output power to the load.
- ✓ Easy installation with DIN rail mounting
- ✓ 0.96 inch OLED Display indicates the S-NET ID (default) or IP Address.
- ✓ Individual Buttons to control the individual channel

### FRONT PANEL & S-NET



Two Push button switches on the front panel provide three functionalities.

#### 1 SETUP BUTTON SWITCH

- WHEN DOUBLE TAP the SETUP BUTTON SWITCH it will change the device from wired to wireless mode and vice-versa.
- WHEN LONG PRESS the SETUP BUTTON SWITCH for 5 sec it will erase all data stored in the device.
- Single tap the setup button, user can read the ID or IP Address using 0.96 inch OLED Display.

#### 2 RESET SWITCH

Use to reset the device.

The WI-RL-8 communicates with a 3rd Party control system via the S-NET control network. A pair of S-NET ports is provided on the WI-RL-8 for easy daisy-chaining of several DIN Rail Series automation control modules.

### ELECTRICAL SPECIFICATIONS

|                              |                          |
|------------------------------|--------------------------|
| Operating Voltage            | : 240VAC, 50/60Hz        |
| Maximum Power Per Channel    | : 2200 W                 |
| Max Load Current per Channel | : 10 A                   |
| Operating Temperature        | : 0 – 45 °c              |
| Module Total current         | : 80 A                   |
| S-NET Power Usage            | : 6 Watt (0.5A @12Volts) |

### CONTROLS & INDICATIONS

- PWR** : 1) Red LED illuminates when DC power is applied to the power port
- COM** : (1) Yellow LED, indicates communication with the control processor
- NW** : Bi-colour LED Red Indicates connection loses with router & Green indicates connection established.
- CH1 - CH8** : (Blue) Channel status indication LEDs
- Setup, Reset** : Miniature push button switches to configure and reset the device manually
- OLED Display** : (1) 0.96 inch display to monitor the Device ID or IP Address

### CONNECTIONS

- CHANNELS (1-8)** : (8) 2-pin 7.62 mm detachable terminal blocks with SPST relay switch circuit @10A per channel.
- S-NET** : (2) 4-pin 3.81mm detachable terminal blocks for S-NET communication
- INPUTS (1-8, G)** : (2) 9-pin 3.81mm detachable terminal block for status input of each channel
- POWER (+12, G)** : (1) 2-pin 3.81mm detachable terminal block for 12V DC power input

### MECHANICAL SPECIFICATION

|                       |                                    |
|-----------------------|------------------------------------|
| Mounting              | : 6M wide DIN rail mounting        |
| Material              | : Light gray polycarbonate housing |
| Dimension (In inches) | : 4.18 (W) X 3.71 (H) X 2.35 (D)   |
| Weight                | : 369 Grams                        |