

8 Power Relays Form-C Via I²C Protocol

P/N KA-I2C-8-RL-PWR

Description

This unit provides fast, easy, and expandable control of up to 8 modules through 2-wire I²C serial communication. Ideal for use in industrial and commercial systems. LabView drivers are available: <http://www.lightsosoft.com/>

Outputs (8)

- 8 Power Relays Form-C (24 VDC @ 10 Amps)
- 8 LED status indicators (Green)
- 8 Terminal blocks Screw-down 3-PIn (14-22 awg)
- 8 Relays each have 1500V of isolation

Communication (I²C)

- Supports I²C "standard" mode (100Kbps)
- Speeds ranging from 1KHz to 100KHz
- Inter-bit and inter-byte clock stretching
- Daisy-chaining, expansion up to 8 modules
- Interrupt-on-change
- Address-selectable; Jumpers (8 addresses)
- I²C accessible via terminal blocks TB19/TB20 or J2

Additional Features

- LabView Ready: Drivers Version 7.0 and greater
- Power supply output: 5V @ 500mA power supply via TB18 when power provided to J2 and TB17
- Short-circuit protection: Resettable PTC fuse
- Stackable form factor
- Option USB interface: USB-I²C-10-Relay module

Power Supply

- Power indicator: LED Green
- Input power: J1 or TB17 (Polarity-protected)
7.5 VDC @ 600 mA max.
J1 – DIN 2.1 x 5.5 mm

Physical Characteristics

- Dimensions: 64 mm W x 252 mm L (2.5" X 9.9")
- Weight: 188g (6.6oz)
- Relative humidity: 10-80% non-condensing
- Operating temperature: 0 to 60C (32 to 140F)
- Storage temperature: -20 to 70C (-4 to 175F)

Product Line

- I²C 8-Opto Input Module (KA-I2C-8-OPTO)
- I²C 8-Relay Output Module (KA-I2C-8-RL-PWR)
- USB-I²C 10-Relay Module (KA-USB-I2C-10RL-P)
- USB/I²C/RS232 Tester (KA-I2C-RS232-TEST)
- Web-Accessible I/O Card (KA-WEB-I2C-TH)

