

# 8 Power Relays Over USB or I2C Communication

P/N KA-I2C-8-RL-PWR-TH-0001

## Description

This unit provides fast, easy, and expandable control of up to 8 modules through 2-wire I2C serial communication or USB. Ideal for use in industrial and commercial systems. LabView drivers are available.

## Outputs (8)

- 8 Power Relays Form-C, rated for:
  - 28 VDC @ 7 Amps (resistive load only)
  - 125 VAC @ 12 Amps (resistive load only)
- 8 LED status indicators (Green)
- 8 Terminal blocks Screw-down 3-Pin (14-22 awg)
- 8 Relays each have 1500V of isolation

## Communication (I<sup>2</sup>C and USB)

- Supports simple command protocol via USB jack
- Supports I2C "fast" mode (400Kbps)
  - Daisy-chaining, expansion up to 8 modules
  - Address-selectable; Jumpers (16 addresses)
  - Accessible via TB18/TB19 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 I<sup>2</sup>C controller: USB-I<sup>2</sup>C-10-Relay module

## Power Supply

- Power indicator: LED Green
- Input power: TB17 (Polarity-protected)
  - 7.5 - 27 VDC @ 600 mA max
  - Power over USB @ 500mA

## 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

- I<sup>2</sup>C 8-Opto Input Module (KA-I2C-8-OPTO)
- I<sup>2</sup>C 8-Relay Output Module (KA-I2C-8-RL-PWR)
- USB-I<sup>2</sup>C 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)

