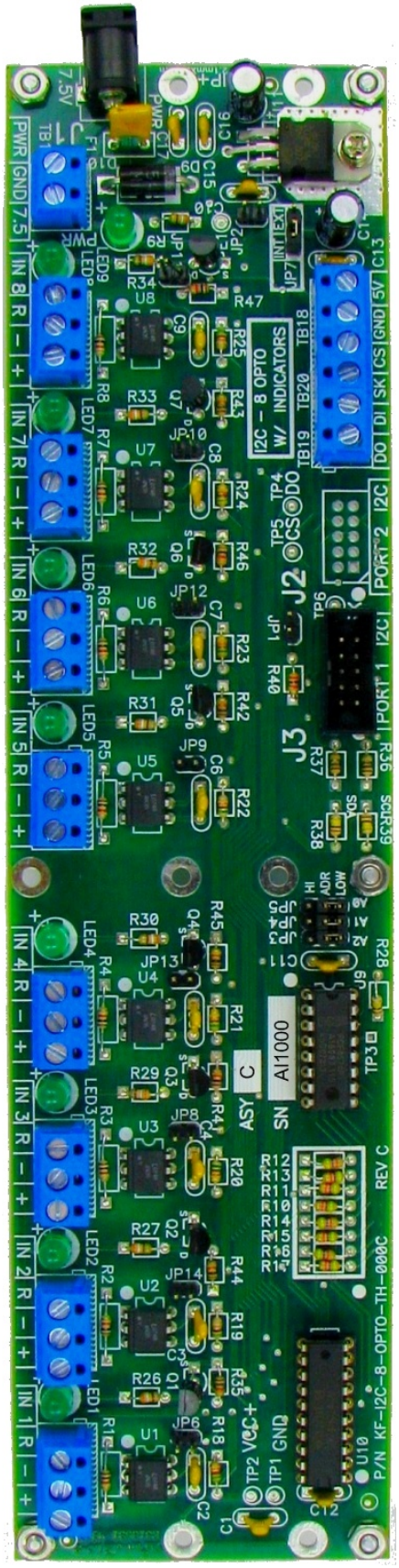
8-Channel Opto-isolated Input Board Via I²C Protocol

P/N KA-I2C-8-OPTO

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 available:
http://www.lightsosoft.com/



Inputs (8)

8 Optically isolated digital inputs (5vDC @ 4 mA)
8 LED status indicators (Green)
8 Terminal blocks Screw-down 3-PIn (14-22 awg)
8 Optoisolators each have 5000V isolation
8 Reserved (Resistor)

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 @ 100 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: 120g (4.3oz)
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 Ouput 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)