Microprocessor-Controlled USB / I²C / RS232 Test Module

P/N KA-I2C-RS232-TEST

This unit allows you (primarily) to test, monitor, and control relay output and opto input modules.

You can use manual push-buttons or our simple scripting language to read from opto modules and write to relay modules via I²C. Programs can be loaded into the module for unattended, automated operation. Ideal for use in industial and commercial systems.

More info at: http://www.lightsosoft.com/

8 Inputs, 3 Communications Ports

8 Push-Button Switch Inputs
8 LED input/output status indicators
I²C communication port
RS-232 communications port
USB communications port

Communication (USB, RS-232, I²C)

Supports I2C "standard" mode (100Kbps)
    Daisy-chaining, expansion up to 8 modules
    Interrupt-on-change
    Address-selectable; Jumpers (8 addresses)
    I2C accessible via terminal block TB5 or J2
Supports standard RS-232 communications
Supports standard USB communications

Additional Features

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
Battery backup operation available

Power Supply

Power indicator: LED Green
Input power: J1 or J2 (polarity protected, fused)
                3.6-7.5 VDC @ 100 mA max.
                J1 – USB type B
                J2 – I²C port

Physical Characteristics

Dimensions: 64 mm W x 156 mm L (2.5" X 6.145")
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 Output Module (KA-I2C-8-RL-PWR)
USB I²C 10-Relay Module (KA-USB-I2C-10RL-P)
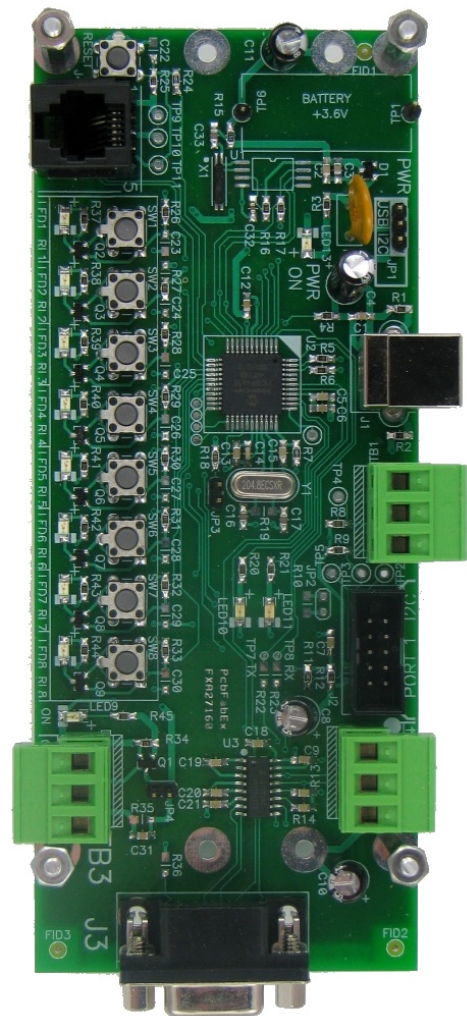
Scripting Language Commands

START	IF THEN
END	READ
TIME	WRITE
DATE	GOTO
= > <	LABEL
=> <=	+ -
<>	

USB/I2C/RS232 Tester (KA-I2C-RS232-TEST)
Web-Accessible I/O Card (KA-WEB-I2C-TH)