

RS485IOCONT

RS485 Input/Output Controller

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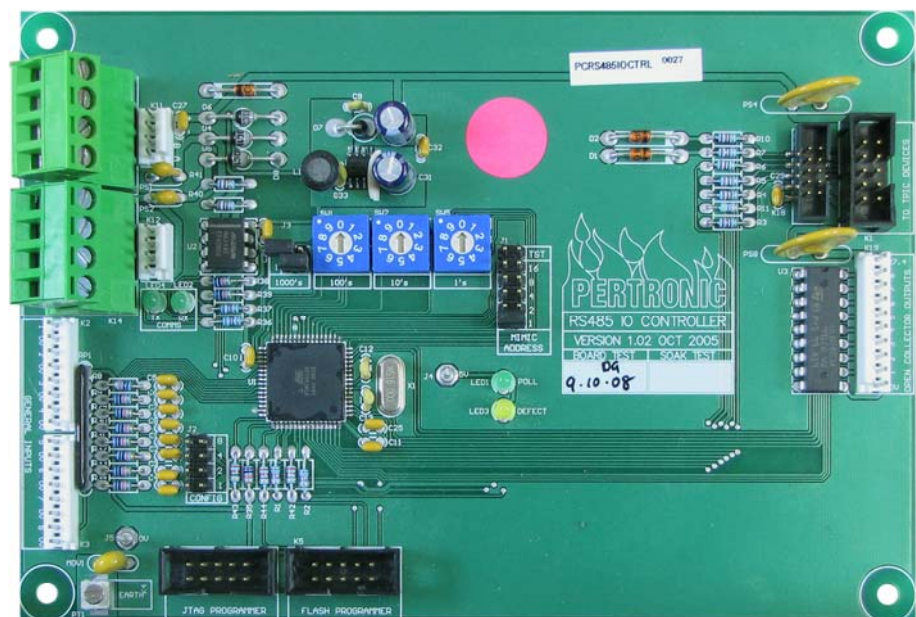
Overview:

The RS485 I/O controller is a versatile LED display controller device that connects to the RS485 Bus of Pertronic Fire Alarm panels as an LED mimic type. A hardware peripheral board allows it to be used for a variety of multipurpose LED display solutions such as F120 Fan Control indication or Site Mimic displays.

This product may be used as part of the Fire Alarm Panel or as a device remote from the panel.













Features:

- Robust microprocessor based design
- Removable plug in terminals for quick and simple installation
- Connectors accept 0.8mm² to 3.3mm² cable
- Onboard Lamp Test and Base address check
- Standard Pertronic display peripheral interface
- 48 Way Open Collector output peripheral card
- 8 Way Common Relay Board converts open collector outputs to relay contacts
- RS485 Mimic Address Jumper links
- Rotary decade switches for start LED address offset settings
- Address Offset to >LED 2000
- Pertronic RS485 communications as LED mimic device





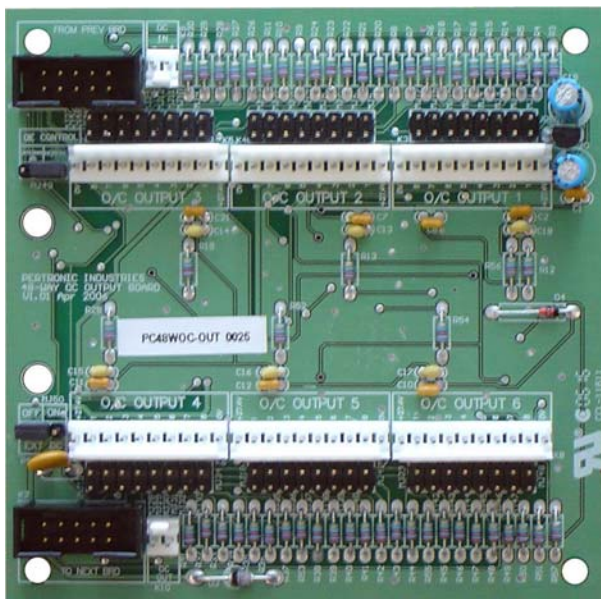
RS485 I/O Controller

Specifications:

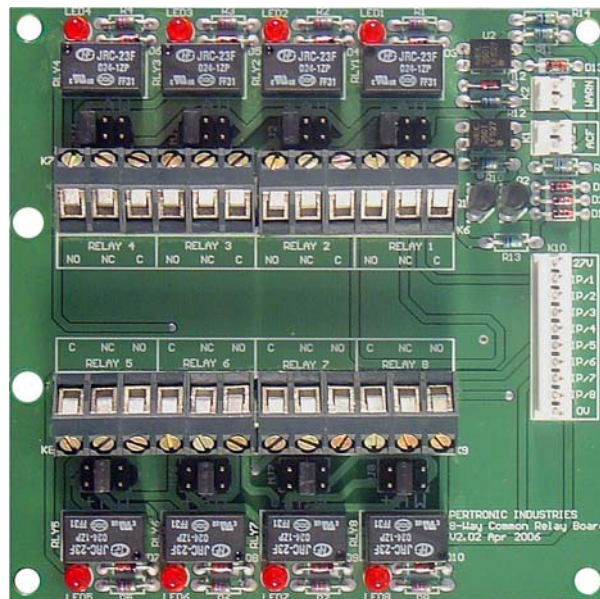
	PCB dimensions	105mm x 161mm
	Panel Compatibility	F120 and F100
	Device Type	LED mimic on RS485 bus
	Operating Voltage	19.2 – 30Vdc, nominal 27.4V
	Operating Current	25mA @ 27.4Vdc nominal (no-load)
	Operating temperature range:	-10°C to 49°C
	Relative Humidity	10% to 85%RH non-condensing
	Mimic Address	Address links 1, 2, 4, 8, 16
	LED offset	LED start address offset by links and rotary switches 1 to 2000
	Configuration Links	Lamp Test disable, and Base Address Check
	Test Link	Enables local Lamp Test (unless disabled by configuration)
	Miscellaneous	RX, TX, Fault and poll LEDs, peripheral interface connectors

Peripherals:

	48 Way Open Collector Board	86mm x 87mm max (1mA std-by; 10mA/output at 27.4V)
	8 Way Common Relay Board	43mm x 87mm (1.2mA standby; 8.5mA/output at 27.4V)



**48 Way Open
Collector Board**



**8 Way Common
Relay Board**

Ordering Information:

Description

RS485 Input / Output Controller
48-Way Open Collector Output Board
8 Way Common Relay Board

Product Code

RS485IOCONT
PC48WOCOUT
PC8WCOMR

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