

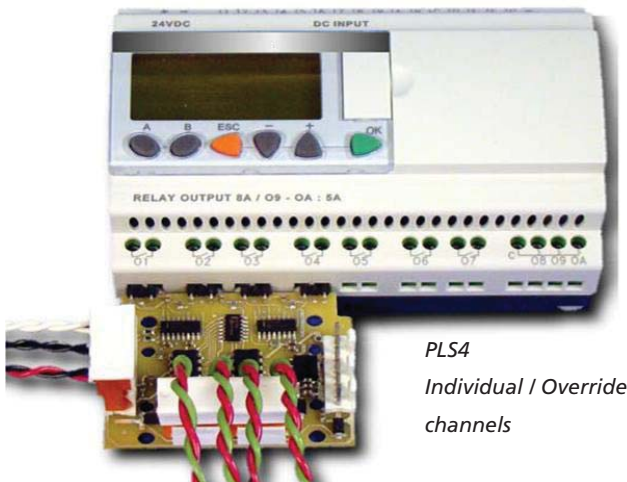
PLS4

INDIVIDUAL / OVERRIDE CHANNELS

Lighting Controller

APPLICATIONS

- Aircraft Hangars
- Gymnasiums
- Offices
- Parking Decks
- Parking Lots
- Retail Outlets
- Schools
- Warehouses



PLS4
Individual / Override
channels

PROJECT	
LOCATION	

FEATURES

- 4 input and 4 output channels
- Powered by 24VDC
- 5VDC positive polarity pulse
- Two PLS4 boards can be assembled into one 8 channel board
- Individual and Override Operation Function
- Spring clamp terminals for power, monitor, override and output
- RoHS Compliance
- 2 year warranty

DESCRIPTION

The PLS4 converts maintained dry contact closures to polarity reversing signal to drive Panasonic WR-6161-K8 low voltage relays and WR-6172-84 (double pole) 480 volt relays. The board has 4 input channels and 4 output channels, and is powered by 24VDC. The PLS4 has been optimally designed to connect with PLC's LCM series of controllers.

PRODUCT FUNCTION

Individual Channel Operation

A dry contact is monitored with 5VDC for opening or closure. When the contact changes state from open to closed, a 24VDC negative-polarity is created and is transmitted to the channel's output connector terminal. When the contact changes state from closed to open, a 24VDC positive-polarity signal is created and is transmitted to the channel's output connector.

Override Channel Operation

Separate dry contact inputs are monitored with 5VDC to allow for all 4 output channels to be overridden. It is isolated from the individual channel inputs. When the ON-override contact changes state from open to closed, a 24VDC negative-polarity signal is created and is transmitted to all output connectors. When the OFF-override contact changes from open to closed, a 24VDC positive-polarity signal is created and is transmitted on all output connectors. The controller has a first signal priority. If the ON-override is closed and then the OFF-override is initiated, the ON-override is retained until the ON-override is released. At this time, the OFF-override becomes effective.

8 Channel Configuration

Two PLS4 boards can be assembled into one unit. This factory modification will allow for 8 independent channels to be monitored and send 8 individual polarity reversing signals to relays.

TECHNICAL DATA - PLS4

Input Voltage: 24VAC + 4VAC
Input Current: 80mA max
Channel Monitor: +5V Maintained Dry Contact
Protection: Non Polarized
Load Type: *Pansasonic* WR6161K-8 20A Lighting Relay
 WR6172-84 20A Lighting Relay (480V; option)

Terminals:

Pin Type	MTA06P 156
Power	Red & Black (24VDC & DC Common)
Override On	Black (5VDC & Maintained Dry Contact Input)
Override Off	White (5VDC & Maintained Dry Contact Input)
Output	Red & Blue (Reversing 24VDC Polarity)

Pin Type	MTA 03P 100
Monitor	Pin Pair (5VDC & Maintained Input)

Dimensions: 2.5"W x 2"L x 1/2"H

RoHS Compliance: Reduction of Hazardous Substances

