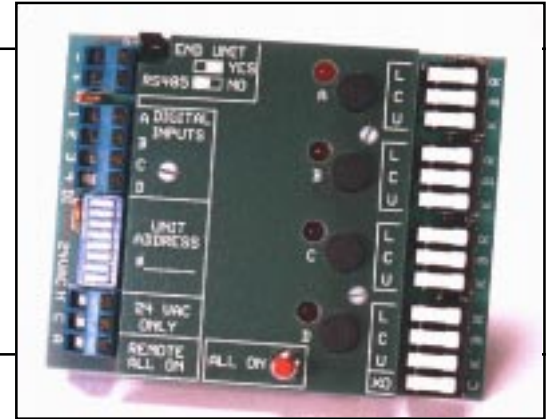


FEATURES

- Supports G.E. RR7 and other latching contactor types
- Input for remote emergency "ALL ON" plus on-board "ALL ON" switch
- Status LED for each contactor

APPLICATIONS

- Lighting circuit control
- Perimeter strip heat lockout
- Economical control of scattered electrical loads
- Replacement of existing lighting panel control package



PRODUCT DESCRIPTION

The PHOTON-4 1:1 interface is capable of controlling up to four (4) GE RR7 lighting contactors. It provides the necessary latch and unlatch pulses required by these contactors.

Multiple PHOTON-4 1:1's can be grouped in enclosures next to breaker panels, or mounted individually for remote circuit control. Each PHOTON-4 1:1 is supplied with snap track for mounting and utilizes 24 VAC for power. The PHOTON-4 1:1 is capable of controlling any contactor that has separate latch and unlatch coils.

Remote Overrides

Each PHOTON-4 1:1 has 4 digital inputs for control. These require a momentary contact. When an digital input is presented, the PHOTON-4 1:1 will turn on the appropriate contactor. When presented again, the contactor will turn off.

Special Emergency "ALL ON"

The PHOTON-4 1:1 has a local momentary switch for emergency "ALL ON", and also requires a momentary contact for "REMOTE ALL ON". This feature bypasses all electronic circuits and directly connects the power transformer to the contactors. This feature is useful in emergency situations, where the host controller is inoperable.

Contactors Status Indicators

The PHOTON-4 1:1 has an LED status indicator for each of the contactors. The LED turns on or off when a latch or unlatch signal is sent to the contactor.

SPECIFICATIONS

Electrical Requirements

Power Supply

Supply Voltage	24VAC OR VDC +/-10%
Supply Current	150mA + specific contactor inrush during latch or unlatch pulse. RR7 is 1/2 amps.

Input

Input-Momentary Digital	5-24VDC
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Mechanical Requirements

Connections (Power/Signal)

Wire Size Up to one 14 gauge max.

Terminal Type Captive screw

Connections (Output to Relay)

Wire Size Up to one 14 gauge max.

Terminal Type Lever action clamp (no tools required)

Dimensions 4" X 3.25" X 1.375"

Weight 3.3 oz.

Mounting 4" 6TK Snap Track (Supplied)

Environmental Requirements

Operating Temperature 32 to 150 deg F

Operating Humidity 5 to 95% non-condensing

Specification may change without notice to improve quality or functionality.