

Lighting Controller

LRC2410

Self Contained

Transformer and Relay



Specifier's Reference

Project
Type
Model No.
Comments

description

- The LRC2410 is a compact, self-contained lighting controller providing flexible time schedule control and override for 8 lighting circuits. The standard relays are rated to directly switch 20A lighting loads eliminating the need for external contactors, relays and time clocks. Low voltage override switches, motion sensors, and an analog photocell may be assigned to control the relays via simple programming.

features

- Integral 7-day time-clock
- Warn-before-off feature
- Astronomic and automatic DST functions
- 99 daily schedules
- 32 holiday schedules
- NEMA 1 enclosure with locking door
- Separate low voltage and line voltage compartments with barrier
- Eight 20A single-pole or four 30A double-pole relays
- LCD display with English prompts
- Assignable switch timers
- Eight low voltage switch inputs
- Eight pilot light outputs for override switches or external devices
- One analog photocell input
- System remote feature allows unit to function as transmitter (master) or as a receiver for centralized scheduling and input control of up to eight zones
- ON / AUTO / OFF override switch

specifications

Housing

- Surface mount, NEMA 1 (Consult factory for additional NEMA enclosures). 18 gauge CRS with hinged, locking door. Separate line and low voltage compartments.

Operating Voltage

- 120/277, 50-60Hz multi-tap power supply

Relays

- Standard eight SPST, normally open (default), enclosed silver alloy contacts rated 20A at 277VAC.
- Conversion kit allows two or four DPST with normally open (default), enclosed silver alloy contacts rated 30A at 600VAC.
- SPST relays meet NEC 110.10 10kA SCCR requirements.
- Expected life: 10 million mechanical operations.

Environmental

- Operation and storage temperature: 32-104°F (0-40°C).
- Humidity: 10–90% non-condensing.

Programmer

- Built-in navigational keys.
- Integral switch override via keypad.
- Integral relay override via keypad.

Overrides

- Eight low voltage Class 2 switch inputs (momentary three-wire, momentary two-wire, or maintained contact), assign to relays through programming, adjust time-out value per switch input (1-99 minutes), time-out to scheduled state.
- Eight pilot light outputs for remote override switches.
- One analog low voltage Class 2 photocell input with 100 set points.
- Integral 24VDC power supply for sensors or photocell.
- Master ON / AUTO / OFF override.

Schedules

- One 99 daily schedules; 32 holiday schedules.
- Auto daylight savings adjustment.
- Astronomic operation with sunrise/sunset offsets.

Warn Off

- One-second flash with 1-99 minutes delay before OFF. Operates per relay with schedules and switch overrides.

Back Up

- All memory stored in nonvolatile RAM.

Displays

- Integral 4-line, 80-character LCD backlit display. Relay status LEDs visible through front door.

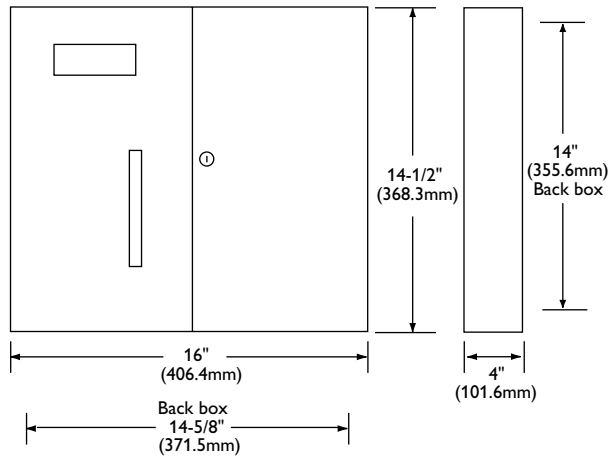
System Remote*

- Schedules and overrides for up to eight lighting zones can be set up at one SwitchPak specified as the transmitter. These schedules and overrides may then be shared building-wide with additional SwitchPaks configured as receiver units. Commands are shared via a simple two-wire communication bus.
 - Local control is not sacrificed since relays in all SwitchPaks still respond to local switch and photocell inputs, adding to the overall flexibility. One transmitter will support up to 32 receivers.
- * System remote operation not available with BAS option

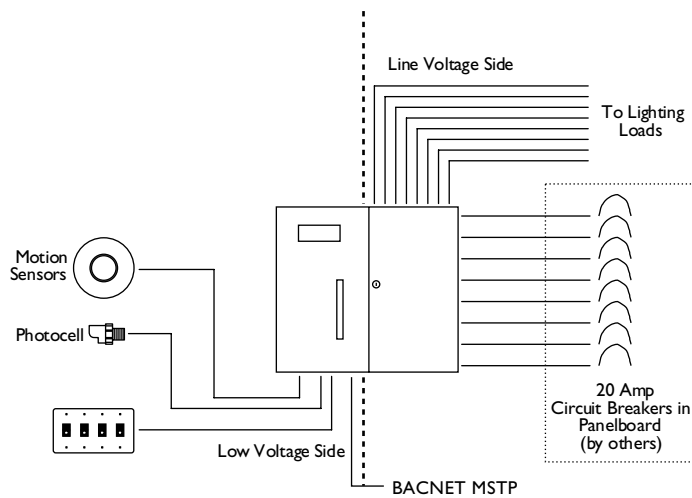
Ordering Information:

Part Number	Description
LRC2410	8 Relay Stand-alone time clock panel with BACNET, 120/277V

dimensions



wiring diagrams



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Contact Factory for Additional Configurations.
Specifications are subject to change without notice.