

Basyx LC8-R Controller

Product Overview

The Basyx LC8-R is a stand-alone lighting control system which provides basic time-of-day scheduling, along with light level sensor control for proper operation of outdoor lighting. The system contains all on-board firmware, clock and memory for complete stand-alone operation, and does not rely on a central system controller for operation.

The LC8-R controls up to eight (8) lighting groups through power relays or standard contactors. Internal low voltage plug-in relays provide switching of lighting control voltage. In addition to lighting control the LC8-R system can monitor electric usage and additional temperatures with optional sensors.

The Basyx LC8-R system is maintained and monitored through TriComm, a Windows based graphical interface program. It provides total system interrogation, programming and report generation through a direct plug-in or optional on-board modem connection. An optional Intranet/Internet communication module is also available. All software is provided with an unlimited user license, allowing interface through any owner approved computer.



Features and Options

- Stand-alone operation requires no central controller for system operation.
- Nema 1, UL listed panel is completely pre-wired - Facilitates easy field installation.
- Time-of-day schedules easily modified through simple setup screens.
- Light level sensor control of outdoor lighting with adjustable setpoints.
- Up to four (4) ON-OFF time schedules per day, per level.
- Windows program provides simple system setup and programming.
- Direct connection of laptop or personal computer system - All software included.
- Program integrity through battery backed-up RAM - Retains system programming without power
- Optional on-board modem for interface to standard voice-grade telephone line. Allows remote interrogation and setup of all system functions.
- Internal plug-in relays for switching of lighting control voltage.
- Includes interface software with unlimited license for local (direct) or remote (modem) connection.
- Contains (4) meter inputs, (8) monitoring inputs.
- Alarm dial-out capability.

Specifications

UL Listing:	Controller: ANSI/UL 916 Assembly: UL508A
Temperature: Humidity:	32° to 125° Fahrenheit 95% non-condensing
Input Power:	120vac (-15% / +10%) 60hz 5 amps maximum
Ports:	RS-485 communications bus RS-232 direct connect bus / internet connection (optional) RS-232 modem (optional)
Enclosure:	Nema 1 enclosure Pre-wired
Dimensions:	Basyx LC8-R: 24.0"h x 20.0"w x 7.0"d
Weights:	Basyx LC8-R: Approximately 30 lbs.

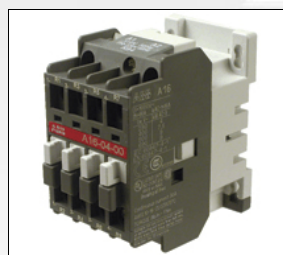
Optional Relay, Contactor and Light Level Sensor Details



RIB Power Relay



A16 Contactor



LS7K Contactor



PSR-1 Light Level Sensor

System Components and Options

Basyx LC8-R Lighting control system with PSR-1 light level sensor & interface software
Basyx M24 Plug in 2400 baud modem

RIB24P30 Self-contained power relay, 30amp - DPDT
A16-40-00-81 ABB 4 Pole, 30amp, N.O. lighting contactor
LS7K-04-G AEG 4 Pole, 30amp, N.C. lighting contactor
LS7K-40-G AEG 4 Pole, 30amp, N.O. lighting contactor