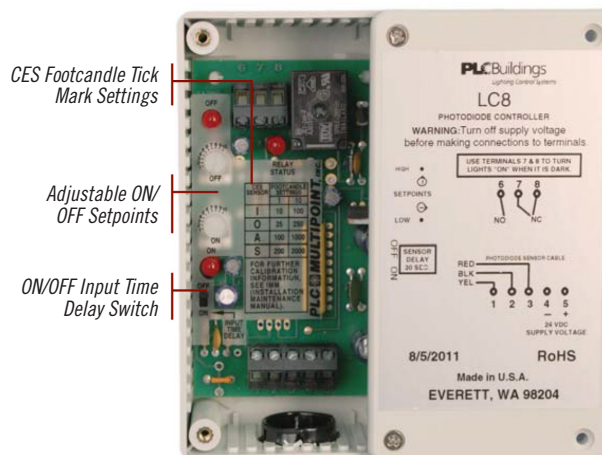


LC8

Single Level Lighting Controller

APPLICATIONS

- Parking Lots
- Perimeter Lighting
- Playgrounds
- Storage Areas
- Convenience Markets
- Restaurant Waiting Area
- Motel Lobbies



FEATURES

- Adjustable ON/OFF setpoints at the control unit for convenient, flexible, low maintenance lighting control
- Input time delay prevents switching due to temporary light conditions
- Low voltage controls provide safe and easy installation
- Compatible with both CES and MAS Sensors
- Choice of sensor styles—indoor, outdoor, atrium or skylight sensors
- Provides an adjustment range of 0-7,500 Fc
- Use as stand alone basic controller or interfaces with standard options such as timeclocks, contactors, occupancy sensors; or customize the system for a specified application
- Fail-Safe feature with lights on if sensor is disconnected, damaged, or wire is broken
- 5-year warranty

DESCRIPTION

The LC8 single-zone lighting controller is a stable, versatile, and accurate low voltage controller offering precision light measurement setpoints that can automatically switch a dry contact in response to a photosensor input. It is primarily used with PLC Multipoint's remote-mounted CES or MAS photosensors.

APPLICATION

The LC8 is used to control LED, incandescent, fluorescent and/or HID lighting by providing a single-pole, double throw "form C" relay output to drive electrically held contactors or relays. It can also function as an input to an Energy Management System (EMS).

OPERATION

The LC8 precisely switches loads according to the selected light level with the LOW and HIGH light levels calibrated to their setpoints. As the photosensor detects a diminishing light level that corresponds with the LOW set-point, the control board matches the two signals and the lights are switched ON. As the sensor detects an increased light level, the control board's HIGH setpoint causes the lights to switch OFF. The LOW and HIGH setpoints are separated by a "dead-band" to eliminate intermittent changes between LOW and HIGH due to passing clouds or other short-term transitions.

LINE-VOLTAGE SWITCHING

For direct switching capability of 120VAC and 277VAC circuits, the LC8 can be used with a separately sold powerpack.

TECHNICAL DATA

Input Voltage:	24VDC
Output:	Standard - Form C SPDT Relay
Capacity:	3 Amps resistive @ 24VDC
Input Power:	24VDC, for 30mA (LC8/CES combination)
Input Sensor Type:	CES 3-wire sensor or MAS 2-wire sensor*
Input Time Delay:	30 seconds (may be overridden with the Time Delay SW)
Dead Band:	Adjustable from 5–95%
Operating Temperature:	-12.2°F to +140.0°F (-11.0°C to 60.0°C)
Accuracy:	+/-1% at 69.8°F (21°C)
Enclosure Dimension:	4.75"H x 2.25"W x 1.5"D
Calibration Analog Inputs:	M-Series Simulator (Optional)
Compliance/Standards:	RoHS, Made in USA, Can be used to meet ASHRAE, IECC and T24

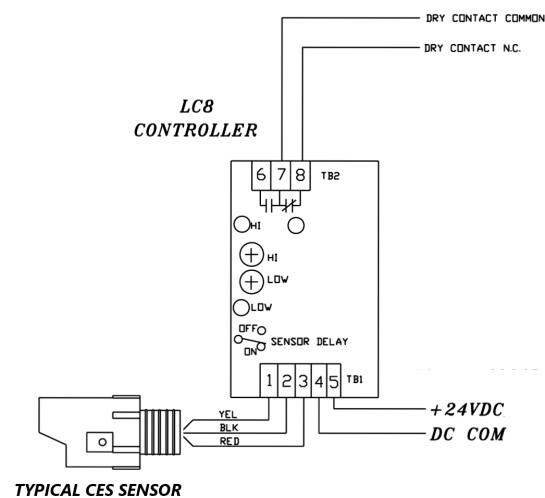
* Requires 500 OHM resistor (not included)

CES SENSOR SELECTION

Sensor	Style	Factory Set Max. Calibration*
CES/I	Indoor	100 Fc
CES/O	Outdoor	250 Fc
CES/A	Atrium	1,000 Fc
CES/S	Skylight	2,000 Fc
CES/IL	Indoor	40 Fc
CES/OD	Outdoor	1,000 Fc

* Charge applies if non-standard calibration is requested

ONE-LINE DRAWING (CES SENSOR)

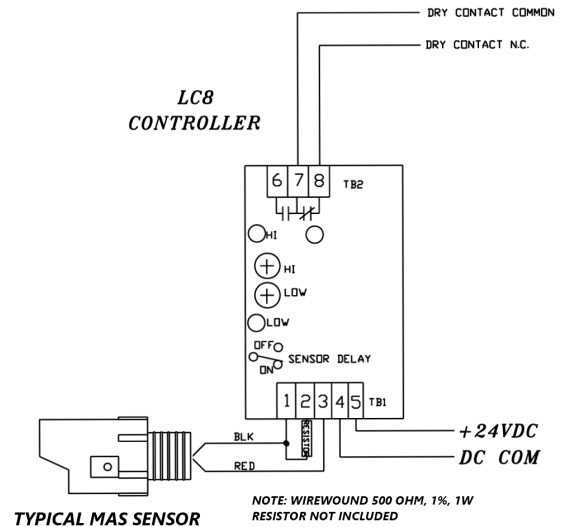


MAS SENSOR SELECTION

Sensor	Style	Factory Set Max. Calibration*
		1/2X 1X* 2X
MAS/I	Indoor	50 Fc 100 Fc 200 Fc
MAS/O	Outdoor	125 Fc 250 Fc 500 Fc
MAS/A	Atrium	500 Fc 1,000 Fc 2,000 Fc
MAS/S	Skylight	2,500 Fc 5,000 Fc 10,000 Fc

* Charge applies if non-standard calibration is requested

ONE-LINE DRAWING (MAS SENSOR)



ORDERING INFORMATION

LC8

COMPATIBLE POWERPACK

PPL-20A (for line voltage switching applications)