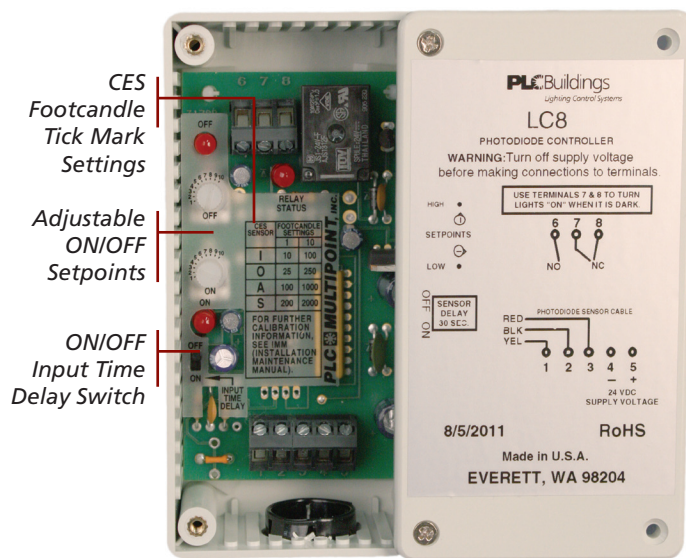


LC8

SINGLE LEVEL
Lighting Controller

APPLICATIONS

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



PROJECT	
LOCATION	

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 0-7,500fc
- Use as stand alone basic controller or interfaces with standard options such as time-clocks, 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
- Compliant with California Title 24
- 2 year warranty

DESCRIPTION

The LC8 lighting controller automatically switches a dry contact in response to changes in natural daylight. The LC8 provides a maintained single pole, double throw “form C” relay output to drive electrically held contactors or relays, or inputs to Energy Management Systems (EMS). The LC8 can control incandescent, fluorescent or HID lighting. The low voltage controller requires a remotely mounted CES or MAS sensor.

The dual setpoint LC8 precisely switches loads according to the selected light level configuration. LOW and HIGH light levels are calibrated to their setpoints at the control board. As the sensor detects a diminishing light level that corresponds with the LOW setpoint, 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 switches the lights OFF. The LOW and HIGH setpoints are separated by a “deadband”. This prevents the sensor from switching light levels between the setpoints, thus eliminating nuisance or intermittent changes.

For direct switching capability of 120VAC and 277VAC circuits, the LC8 can be used with a switchpack. PLCBuildings UL listed PCS/120 or PCS/277 may be used. All products are factory tested to assure maximum reliability. The advantages of using the LC8 lighting control system are found in stability, versatility, quality and accuracy. The LC8 offers precision light measurement setpoints that are stable once set and the flexibility to be applied to many different lighting environments.

TECHNICAL DATA - LC8

Input Voltage:	24VDC or 15VDC
Output:	Standard - Form C SPDT Relay
Capacity:	3A resistive @ 24VDC
Input Sensor Type:	CES Sensor-3 wire or MAS Sensor-2 wire (with PCRK)
Input Time Delay:	30 second (may be overridden with the Time Delay SW)
Dead Band:	Adjustable - 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)
Approvals:	RoHS

CES SENSOR SELECTION

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

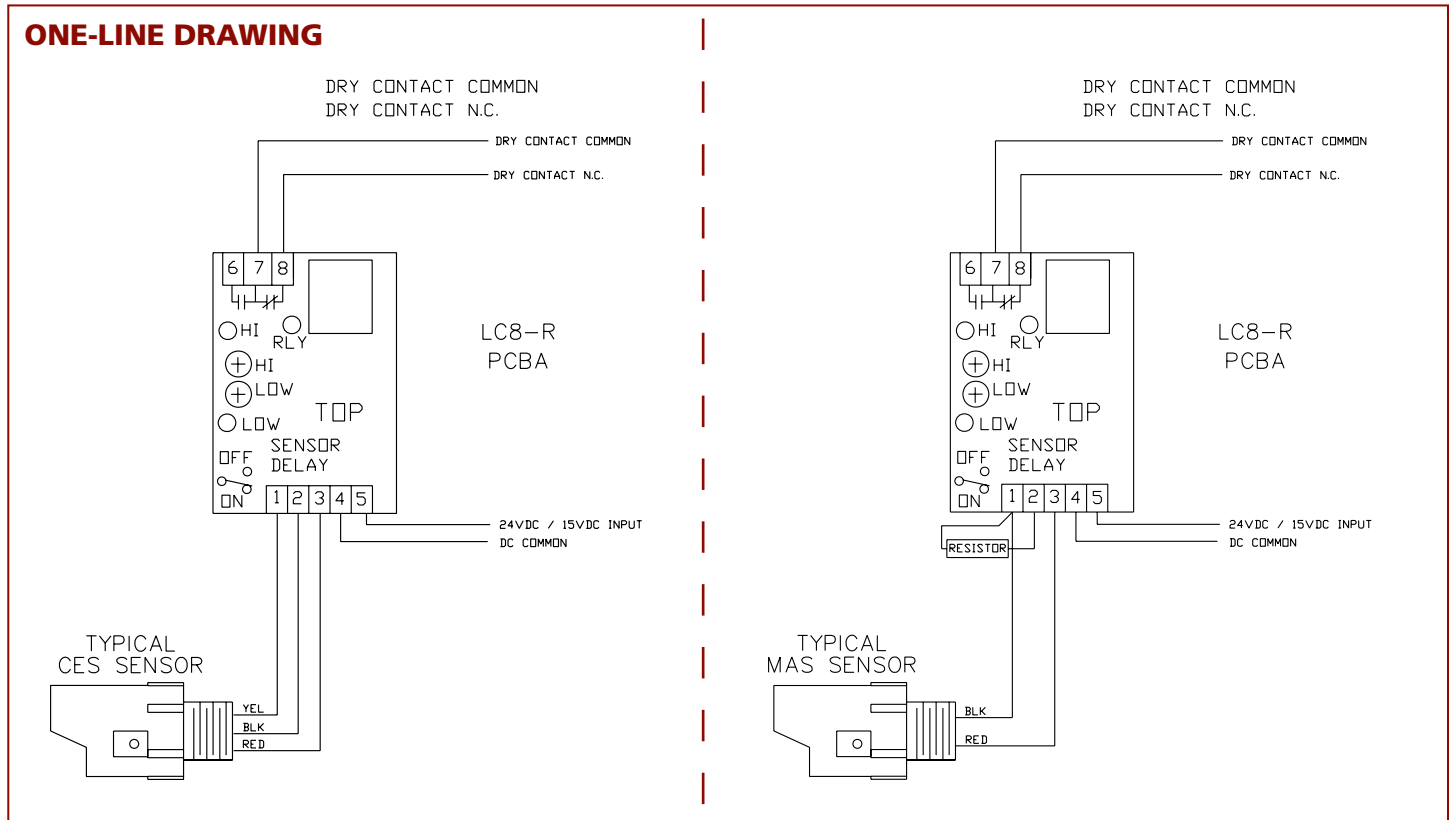
* Charge applies if non-standard calibration is requested

MAS SENSOR SELECTION

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

* Charge applies if non-standard calibration is requested

ONE-LINE DRAWING



ORDERING INFORMATION

