



Daylighting Controls Photocell Controller

KEY FEATURES

- Adjustable on/off set points
- Dual power unit input: 24 VAC or 24 VDC
- Flexible control options
- Input time delay
- Two set points available for separate on and off levels
- Two-year warranty



DLCPCCC

OVERVIEW

Hubbell Building Automation’s DLCPCCC is the ideal system for providing indoor, outdoor, or skylight control of lighting circuits based on natural daylight. The DLCPCCC lighting controller automatically switches a dry contact in response to changes in natural daylight. The DLCPCCC provides a maintained single pole, double throw “from C” relay output to drive electrically held contactors or relays, or inputs to Building Automation Systems. The low voltage controller requires a remotely mounted photoconductive (PC) sensor (sold separately). The DLCPCCC continuously compares the remote sensor’s signal against the LOW and HIGH light level set points. When the sensor detects decreasing light levels that corresponds with the LOW set point, the lights are switched ON. Conversely, as light levels increase and the sensor’s signal matches the HIGH set point, the lights are switched OFF. The LOW and HIGH set points are separated by a “deadband”. This prevents the DLCPCCC from switching light levels between set points, thus eliminating nuisance or intermittent changes.

For quick and easy initial setup and calibration of the DLCPCCC, the DLCSIMM photocell calibrator can be used (voltmeter required).

FEATURES and BENEFITS

Features	Benefits
Adjustable on/off set points	• Provides convenient, flexible low maintenance lighting control
Flexible control options	• Works with motion sensors, building automation systems or dedicated power packs
Input time delay	• Prevents switching due to temporary light conditions
Two set points available for separate on and off levels	• Prevents system oscillation

APPLICATIONS

- Parking lots
- Playgrounds
- Storage areas
- Perimeter lighting

SPECIFICATIONS

Accuracy	<ul style="list-style-type: none">• +/- 1 percent at 70°F (21°C) Derated +/- 5 percent above 120°F or below 0°F (49°F / -18°C)
Sensor Type	<ul style="list-style-type: none">• CD S Photoconductive 2 wire
Power Requirements	<ul style="list-style-type: none">• 24 VAC or 24 VDC standard
Dead Band	<ul style="list-style-type: none">• Adjustable: 5-95%
Indicators	<ul style="list-style-type: none">• Red High and Low LEDs
Input Delay	<ul style="list-style-type: none">• Standard 30-second sensor (removable for adjustment)
Control Inputs	<ul style="list-style-type: none">• Photoconductive Sensor Calibration / Simulator (for optional DLCSIMM)
Output	<ul style="list-style-type: none">• Standard form C SPDT relay 10A resistive
Operating environment	<ul style="list-style-type: none">• Operating Temp: -13°F to 140°F (-11°C to 60°C)• Indoor use only
Construction	<ul style="list-style-type: none">• Sensor is mounted on a wall switch faceplate
Size & Weight	<ul style="list-style-type: none">• 4.75" height x 2.5" width x 1.5" depth
Color	<ul style="list-style-type: none">• White
Warranty	<ul style="list-style-type: none">• 2 years

HOW TO ORDER

Catalog Number	Description
DLCPC	Photocell Controller
DLCSIMM	Photocell Controller Calibration Tool



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