



## 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
- Five-year warranty



DLCPC

### OVERVIEW

Hubbell Building Automation’s DLCPC is the ideal system for providing indoor, outdoor, or skylight control of lighting circuits based on daylight. The DLCPC lighting controller automatically switches a dry contact in response to changes in natural light levels. The DLCPC 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 DLCPC 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 DLCPC from switching light levels between set points, thus eliminating nuisance or intermittent changes.

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

## ORDERING INFORMATION

Catalog Number	Description
DLCPC	Photocell Controller
DLCSIMM	Photocell Controller Calibration Tool



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