H-MOSS® Occupancy Sensors

Daylighting Harvesting - Photocell Control Module

HUBBELL

H-MOSS® Hubbell Motion Sensing Switches

Hubbell's DHCM is the ideal system for control of lighting circuits based on natural daylight. The DHCM lighting controller automatically switches a dry contact in response to changes in natural daylight. The DHCM provides a maintained, single pole, double throw "form C" relay output to drive contactors, relays, or inputs to building automation systems. The low voltage controller requires a remotely mounted photoconductive (PC) sensor (sold separately). The DHCM 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 "dead band". This prevents the DHCM from switching light levels between set points, thus eliminating nuisance or intermittent switching.

DHCM

Key Features

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

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	Creates an dead band zone to prevent lighting system oscillation

Applications

All daylight harvesting and outdoor applications including:

- Atriums
- Skylights
- Manufacturing
- Lobbies
- Commercial Interiors
- Parking Lots
- Playgrounds
- Storage Areas
- Perimeter Lighting

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Photocell Control Module

Description	Catalog Number
Photocell Controller	**DHCM**

DHCM

Specifications

Power Requirements	24 VAC or 24 VDC standard
Operating Temperature	-13°F to +140°F (-11°C–60°C) 0% - 95% non-condensing relative humidity; Indoor use only
Dead Band	Adjustable: 5-95%
Indicators	Red High and Low LEDs
Input Delay	Standard 30-second sensor (removable for adjustment)
Output	Standard form C SPDT relay 10A resistive
Construction	High impact thermoplastic housing
Size	4.75" height x 2.5" width x 1.5" depth
Color	Gray
Warranty	2 years, limited

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