

Open Loop Daylight Sensor/IR Receiver

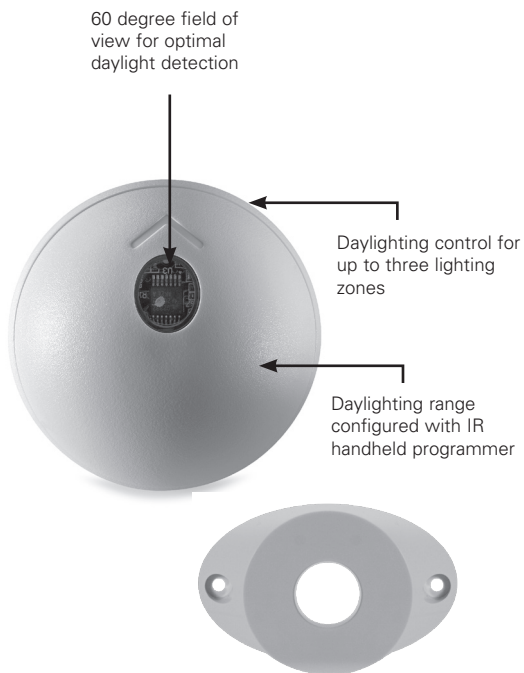
Catalog#	Prepared by
Project	Date
Comments	Type

Overview

The DSRC-FMOIR is an open loop daylight sensor that measures the natural light contribution in order to automatically adjust lighting zones. It is part of the Room Controller and DLVP system and provides three easily distinguished light levels, Low (3-300 lux), High (30-3000 lux) and Direct Sun (300-30000 lux). The sensor range can be adjusted using the IR handheld programmer.


Features

- RJ45 connection
- Easily installed in suspended fixture or drop ceiling
- Three light sensor ranges (3-300 lux, 30-3000 lux, 300-30000 lux)
- Feedback LED
- Mounting bracket for installation in light well or hard ceiling
- IR receiver for handheld remotes



Powering Business Worldwide

Specifications

Electrical	Class 2, LPS
Voltage	24 VDC supplied controller
Connection	RJ45
Light Sensor Range	Low: (3-300 lux)
	High: (30-3000 lux)
	Direct Sun: (300-30000 lux)
Status Indicator	Multi-function Red and Green LEDs
Size	Sensor Head: 2" x .5"
	Mounting stem: .75" x .75"
Operating Environment	Temperature: 32°F to 104°F (0°C to 40°C)
	Less than 95%, non-condensing
	For indoor use only
Standards	UL 508 Listed 

Description/Operation

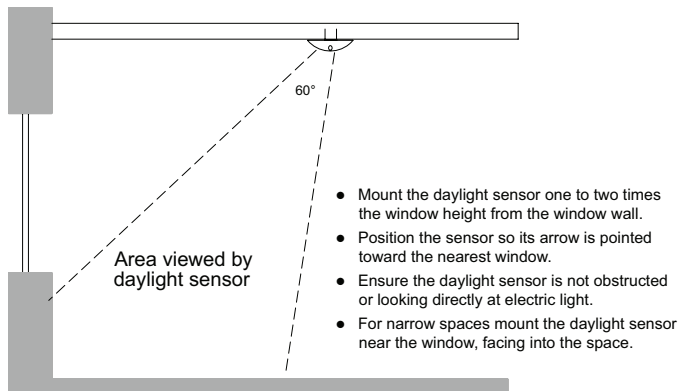
The DSRC-FMOIR is powered by the Room Controller or DLVP power module Class 2 power supply and is pre-configured to automatically adjust the dimming zones based on the natural light contribution. The DSCM-MT mounting bracket allows the daylight sensor to be mounted to a hard ceiling or a light well. The handheld remote programmer simplifies light sensor range setting by using simple language to describe the ranges (Low, High, Direct Sun) in addition to standard foot candle values. Individual zone control buttons allow the lighting levels and dimming curves to be adjusted.

Installation

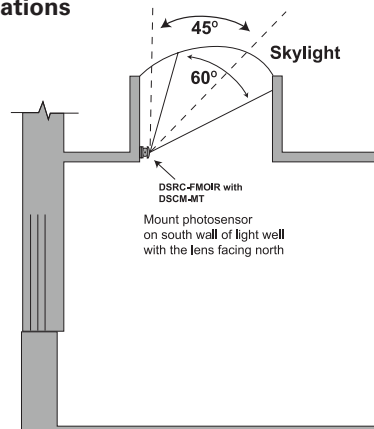
Low-voltage devices are connected using pre-terminated control cables (ordered separately).

Applications

Sidelight Applications

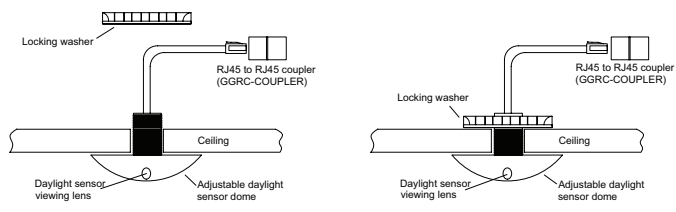


Skylight Applications

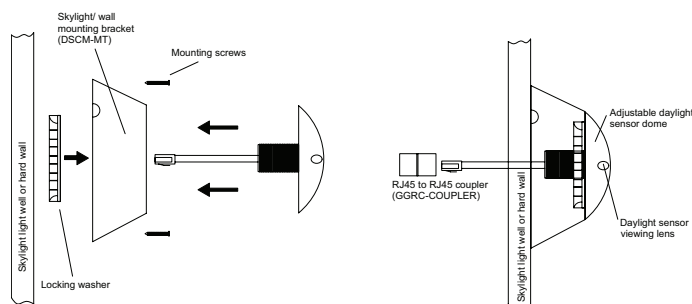


Mounting

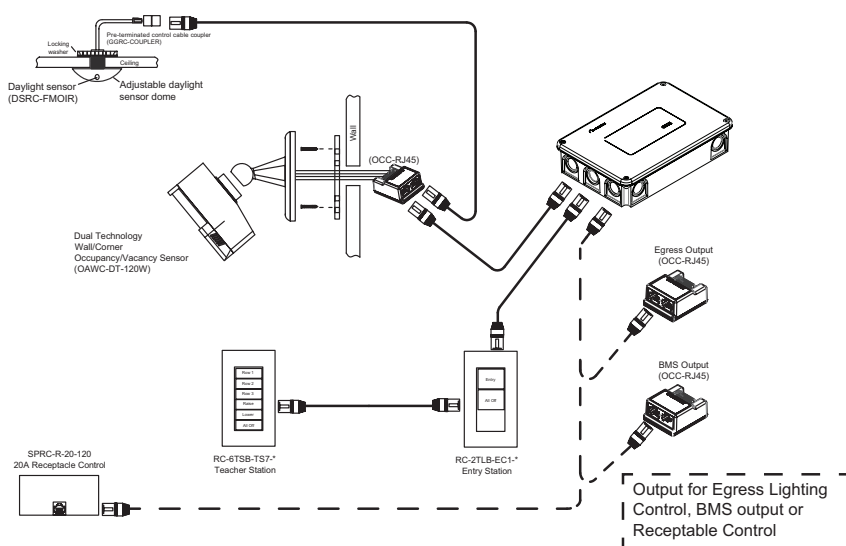
Ceiling Mounting



Light Well Mounting with DSCM-MT



Sample Room Controller System Topology



Handheld Remote Programmer HHPRG-RC

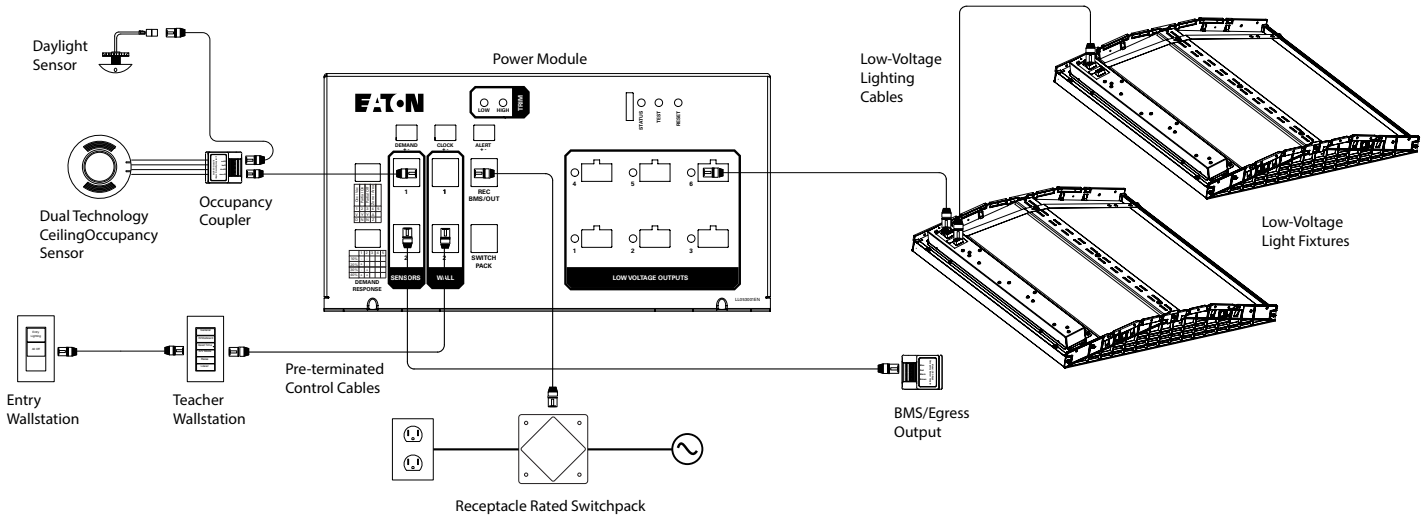
Daylight Settings



Personal Remote HHPR-RC



DLVP System Topology



Programming Remote (LVHH-01)



Personal Remote (LVHH-02)



Ordering

Catalog #	Description	Connection	Range
DSRC-FMOIR	Open Loop Daylight Sensor/IR Receiver (GGRC-COUPLER included)	RJ45	Low (3-300 lux) High (30-3000 lux) Direct Sun (300-30000 lux)
DSCM-MT	Daylight Sensor Mounting Bracket		
Optional Accessories			
Room Controller			
HHPRG-RC	Handheld daylight zone remote programmer		
HHPR-RC	Room Controller Personal Remote		
DLVP			
LVHH-01	DLVP Programming Remote		
LVHH-02	DLVP Personal Remote		

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Specifications and dimensions subject to
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