EuControls
COLORS AND LIGHTS UNDER YOUR CONTROL

S708-P-DR
Line Voltage PIR High Bay Dimming Sensor

TITLE 24 COMPLIANT

Fully adjustable standby and dimming time delays

Internal photodiode enables daylight harvesting for extra energy savings

Low cost & warrantied for 5 years

Multi-element PIR detector has excellent performance

Mounting height from 8 to 41 ft

Commissioning and adjustment via trimpots or IR remote control

PRODUCT OVERVIEW

Introduction
The S708-P-DR is a self-contained motion and light sensor with line voltage relay designed for installation on commercial and industrial lighting fixtures such as troffers, high bays, and shoeboxes. The sensor uses passive infrared (PIR) sensing technology to accurately detect motion in its coverage area and automatically dim and/or turn off lights when persons have left the area, reducing energy usage. A built-in photodiode increases savings by permitting daylight harvesting operation.

Operation
The sensor provides power to connected lights when motion is detected. When the sensor no longer detects movement and the standby time delay expires, 0–10V dimming compatible lights are dimmed according to the set dimming level and will eventually be switched off after the dimming time delay expires (-D dimming models only). A set ambient light threshold can keep lights off if there is sufficient natural light, leading to additional energy savings.

Commissioning
Setup and sensor adjustments are performed via on-unit trimpots or IR remote control (included with -R models). The remote allows parameter changes to sensitivity of the PIR detector, standby and dimming time delays, dimming level, and ambient light threshold. All settings are stored in non-volatile memory in case of electrical fault.

Applications
This high bay sensor is designed for installation on a light fixture body, ideal for the following applications:

| LOCATIONS	FIXTURES
▪ Warehouses	▪ Canopy
▪ Factories	▪ Troffer
▪ Workshops	▪ High bay directional
▪ Conference halls	▪ Shoeboxes
▪ Sports complexes	▪ Floods
▪ Covered parking areas	▪ Wall parks

FEATURES

- Line voltage on/off control of lighting fixture(s)
- Multi-element PIR detector has excellent sensing performance across wide range of temperatures
- Up to 2,100 ft^2 coverage area at 41 ft mount height
- 0–10V dimming control compatible with dimmable LED drivers and fluorescent ballasts (-D models only)
- 10 seconds to 60 minutes standby time delay for a wide range of installation locations and applications
- 1 to 60 minutes dimming time delay for dimmed lighting
- Daylight harvesting functionality observes ambient light threshold set at measured or preset light levels
- Built-in quick installation testing mode
- IR remote control allows quick setup, settings adjustment, and manual on/off override
- UV resistant, flame retardant, impact resistant, and recyclable polycarbonate construction

SPECIFICATIONS

- Input Voltage: 120/208–240/277VAC @ 50/60Hz
- Relay Load Ratings: 800VA max @ 120VAC; 1000VA max @ 208–240VAC; 1200VA max @ 277VAC
- Standby Time Delay Periods: 10 secs, 1 min, 5 mins (default), 15 mins, 30 mins, 60 mins
- Dimming Time Delay Periods (-D models only): 1 min, 30 mins, 60 mins (default), off (dimming always on)
- Dimming Levels: 0%, 10%, 20% (default), 30%

- 0–10VDC Dimming Current: 100mA max (sink)
- Photocell Sensitivity Range: 1 to 185 fc
- Operating Temperature: –40 to +131 °F
- Operating Humidity: 20 to 90% non-condensing
- Weatherproof Rating: IP44 for indoor use only
- Safety Certifications: UL/cUL listed #E479515, Class 2
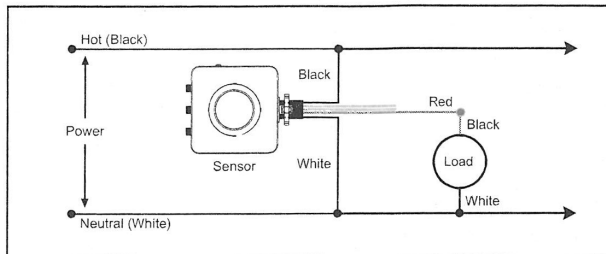- Regulatory Code Compliance: California Title 24
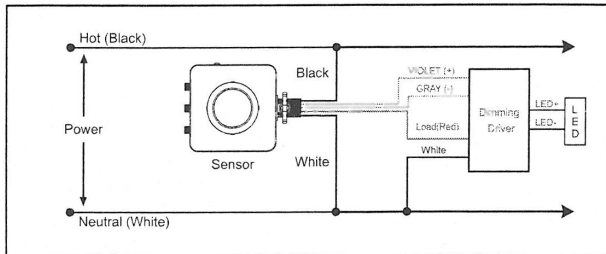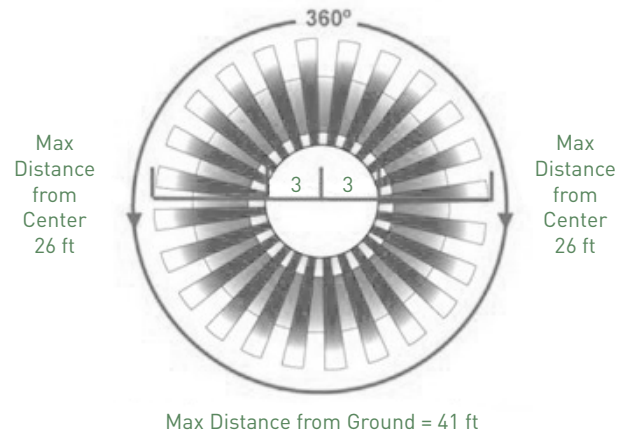
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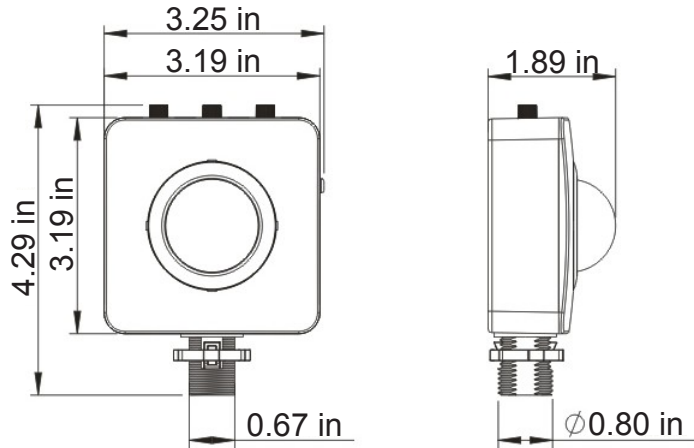
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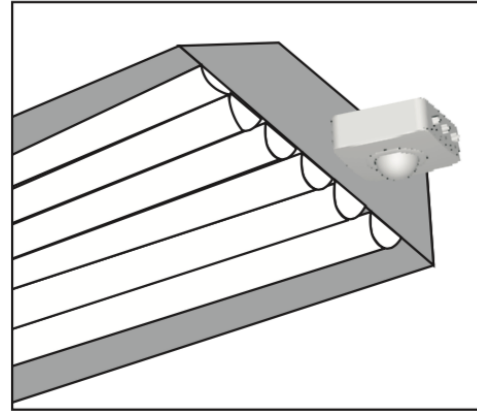
WIRING

COVERAGE PATTERN

ORDERING INFORMATION

Part Number	Color	Description
S708-P-DR	White	High Bay Mount, PIR Sensor with 0–10V Dimming & IR Remote Control Capabilities
S708-P-D	White	High Bay Mount, PIR Sensor with 0–10V Dimming Capability
S708-P-R	White	High Bay Mount, PIR Sensor with IR Remote Control Capability
S708-P	White	High Bay Mount, PIR Sensor
S-ACC-RC-D2	Black/White	Handheld IR Remote Control