

Sector Photocell

Measures ambient light as part of the daylight harvesting features in the Sector Intelligent Lighting Control System



- Simple, Fast Installation
- Ballasts, occupancy sensors, and control stations connect on a single bus, topology-free, and polarity-free, two conductors
- Compatible with Class 1 and Class 2 Wiring
- Daylight Harvesting
- Digital Technology, Complete Reliability
- Ceiling Mount
- IR Receiver for Sector Handheld Remote
- Remote or Manual Configuration Capability

DESCRIPTION

The Sector Photocell (ODCoP-oSW) continuously measures ambient light in a specific area and transmits the data to the rest of the Sector system. The Sector system adjusts the light fixtures to a constant lighting level, based on lighting levels defined by users. The Photocell measures light from any source in the visible spectrum within a 60° cone.

The Sector 5-Button Digital Switch also serves as an IR receiver for the Sector Handheld Remote (SHH00-000) and can be used for some basic adjusting of light level settings.

Daylight Harvesting

Daylight Harvesting utilizes available ambient light (entering from skylights, windows, etc.) to reduce the amount of electrical light used in a room, to reduce electrical costs. The Sector Photocell continuously collects data that is used to automatically brighten or dim the artificial lighting in the coverage area in response to ambient light levels, maintaining an even light

level. Daylight Harvesting provides a consistent level of lighting, reduces lighting costs, reduces energy consumption, and increases occupant satisfaction.

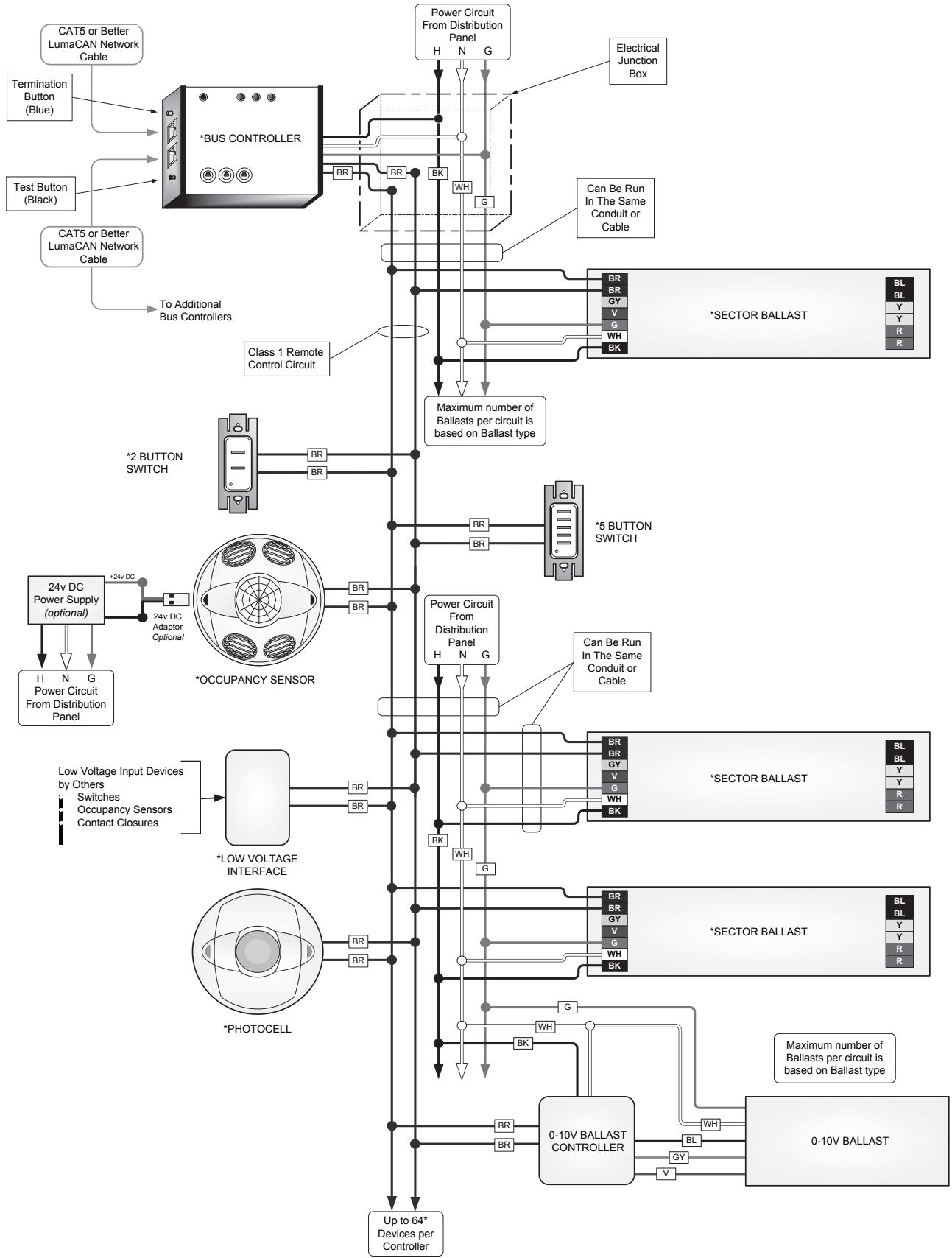
APPLICATIONS

The Sector Photocell is ideal for use in office buildings, schools, medical offices, restaurants, government facilities, and any other location that could benefit from the cost savings and energy efficiency of a controlled lighting environment.

The Sector family of products provides a scalable solution that allows you to install a maximum of 253 Bus Controllers, controlling a maximum of 64 devices each, for complete system flexibility and maximum coverage in any application.

PRODUCT DATA

Sector Photocell



* 9 Sector Devices are shown in this diagram

FEATURES

- **Daylight Harvesting:** lowers your energy costs by harvesting the available daylight in the room, and adjusting your lighting accordingly, to a user-specified lighting level
- **Topology-Free:** ballasts, occupancy sensors, and control stations connect on a single bus, topology-free, and polarity-free, two conductors
- **No Interference:** 42KHz operation causes no interference with IR controls and occupancy sensors
- **Reduces Carbon Footprint and Lowers Electric Bills:** reduces usage of lighting where ambient natural and/or artificial light are present; fewer watts used results in a lower electric bill and a reduced carbon footprint
- **Aesthetically Pleasing:** clean and simple design blends in with any decor
- **Reduces Eye Strain and Improves Productivity:** constant lighting at the desired level provides greater visual comfort, which contributes to improved productivity
- **Convenient:** hands-free automatic lighting control
- **Consistent Lighting:** provides a consistent level of lighting automatically

ORDERING INFORMATION

CAT. NO.	DESCRIPTION
ODCoP-oSW	Sector Photocell

The following components are also part of the Leviton Sector Intelligent Lighting Control System:

- Sector Ballasts (T8, 17W/25W/32W): SD1F8-17M, SD1F8-25M, SD1F8-32M, SD1J8-17M, SD1J8-25M, SD1J8-32M, SD2F8-17M, SD2F8-25M, SD2F8-32M, SD2J8-17M, SD2J8-25M, SD2J8-32M
- Sector Bus Controller/Power Supply: SBP00-00M
- Sector Occupancy Sensors: OSC04-ISW, OSC20-MSW
- Sector 5-Button Digital Switch: SDS00-15W
- Sector Handheld Remote: SHH00-000
- SectorNET Software and USB-to-LumaCan Adapter: SLM00-000, SIF00-000, SIFPD-000
- Sector Ballast Controller: SBCS0-000, SBCS0-001
- Sector 4-Module Enclosure (to hold a maximum of 4 Bus Controllers (SBP00-000)): SEN04-000

SPECIFICATIONS

Electrical

- Input Voltage: 34-42VDC, 277VAC
- Input Current: 10mA
- Power Consumption: 1W
- Light Sensitivity: selectable 0-100FC or 0-25FC

Environmental

- Operating Temperature Range: 0°C -40°C (32°F - 131°F)
- Storage Temperature Range: -10°C - +85°C (14°F - 185°F)
- Relative Humidity: 20% to 90% non-condensing

Physical

- Diameter: 2.51" (6.4cm)
- Depth: 0.99" (2.5cm)
- Color: White

Listings

- IEC61000-4-2

Warranty

- Limited 5-year warranty

LEVITON SPECIFICATION SUBMITTAL

JOB NAME:	CATALOG NUMBERS:
JOB NUMBER:	

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