

Sector Relay

Provides switching control for 0-10V devices on the Sector Intelligent Digital Lighting Control System



FEATURES

- Used for both switching only loads and dimming loads controllable with a 0-10V control signal
- Protected against high voltage transients, per IEEE/ANSI/C62.41, Category B environment
- Supports SectorNet location functionality with zone ramp up/down and LED notification
- Connection to the network bus can be Class 1 or Class 2 wiring
- Test button to ensure correct setup and allows field activation of lighting loads toggling between three levels: 100%, 10%, or 0% (OFF)
- 0-10V Control Signal
 - Not required for switching only loads
 - 0-10V sinking control, 50mA, commonly used with ballasts, approximately 70 ballasts
 - 0-10V sourcing control, 10mA, commonly used with analog control dimmers or LED fixtures

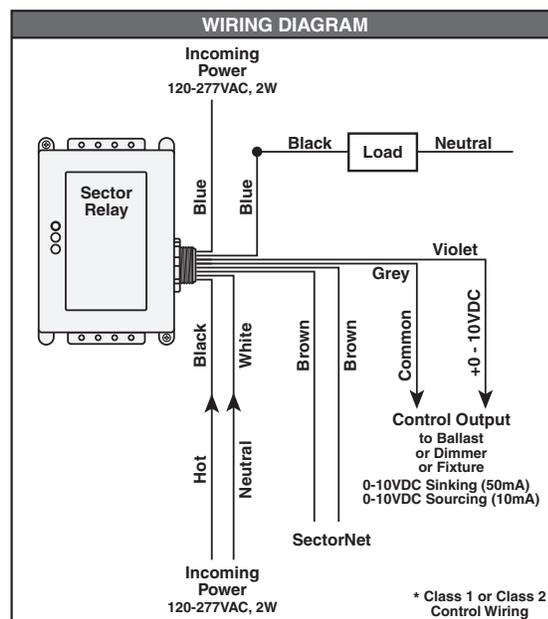
DESCRIPTION

The Sector Relay enables switching control of any device or dimming control of any 0-10VDC controllable device as part of the SectorNet system. Used for individual fixture or entire zone control, the Sector Relay provides additional system design options, allowing control of Ballast, Incandescent, LED, cold cathode, or other sources that may accept a 0-10VDC control input. The Sector Relay also provides switching control of lighting and motor loads.

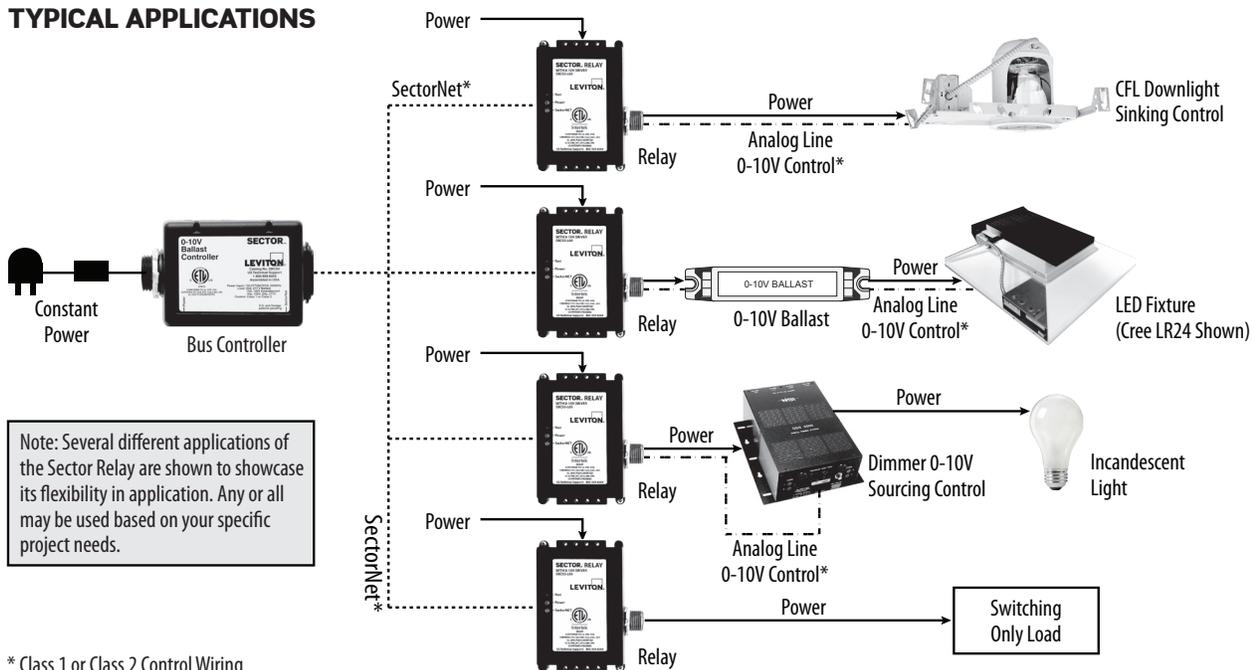
APPLICATIONS

- Sector control of switching only loads
- Zonal control with Sector 7 ballasts
- Zonal control with any 0-10V controllable fixture
 - 0-10V dimmable fluorescent ballasts
 - 0-10V dimmable HID ballasts
 - LED fixtures - sinking control
 - LED fixtures - sourcing control
- Multi-zone, multi-level, switching only daylighting control

WIRING DIAGRAM



TYPICAL APPLICATIONS



Note: Several different applications of the Sector Relay are shown to showcase its flexibility in application. Any or all may be used based on your specific project needs.

* Class 1 or Class 2 Control Wiring

SPECIFICATIONS

Electrical

- Input Supply Voltage: 120-277VAC, 50/60Hz, 2 Watts
- Power Wiring: Hot, Neutral, Load
- SectorNet Wires: Two low-voltage polarity-free brown wires

Supported Loads

- Fluorescent Ballast: 20A, 120-230-277-347V
- Incandescent/Tungsten: 20A, 120V
- Motor/Fan: 1/2HP at 120V, 2HP at 277V

Control Output

- 0-10VDC Sinking, 50mA (power supplied by Ballast)
- 0-10VDC Sourcing, 10mA (power supplied by Relay)

Visual Indicators

- LED: Red-power status; Yellow-SectorNet Bus Status

Environmental

- Ambient temperature range: 0°C - 40°C (32°F - 104°F)
- Relative humidity: < 90% non-condensing

Dimensions

- Height: 4 7/8" (12.38cm)
- Width: 3 3/4" (9.53cm)
- Depth: 1 5/8" (4.13cm)
- Weight: 0.7 lbs (0.32kg)

Listings

- ETL to UL g16
- cETL to CSA C22.2 #205
- ANSI C62.41 Category A (Transient Voltage Line Protection)
- ANSI C82.11 Annex A Compliant (Low Voltage Control Interface for Controllable Ballasts)
- UL2043 Plenum Rated

Warranty

- Limited 5-year warranty

Sector Relay

ORDERING INFORMATION

CAT. NO.	DESCRIPTION
SBCSo-Loo	Sector Relay, 120-347V 20A Output, 120-277V, 50/60Hz Input

LEVITON SPECIFICATION SUBMITTAL

JOB NAME:	CATALOG NUMBERS:
JOB NUMBER:	

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