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

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

FEATURES
• Used for both switching only loads and dimming loads controllable with a 0-10V control signal
• Protected against high voltage transients, per IEE/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

WIRING DIAGRAM

Incoming Power
120-277VAC, 2W

Sector Relay

Incoming Power
120-277VAC, 2W

Control Output* to Ballast or Dimmer or Fixture
0-10VDC Sinking (50mA)
0-10VDC Sourcing (10mA)

Control Wiring

* Class 1 or Class 2
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

Listings
- ETL to UL 916
- 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

ORDERING INFORMATION

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<td>Sector Relay, 120-347V 20A Output, 120-277V, 50/60Hz Input</td>
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LEVITON SPECIFICATION SUBMITTAL

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Leviton Manufacturing Co., Inc. Lighting & Energy Solutions
20497 SW Teton Avenue, Tualatin, OR 97062
Telephone: 1-800-736-6682 • FAX: 503-404-5594 • Tech Line (6:00AM-4:00PM P.S.T. Monday-Friday): 1-800-959-6004

Leviton Manufacturing of Canada, Ltd.
165 Hyrums Boulevard, Pointe Claire, Quebec H9R 1E9 • Telephone: 1-800-469-7890 • FAX: 1-800-563-1853

Leviton S. de R.L. de C.V.
Lago Tana 43, Mexico DF, Mexico CP 11290 • Tel. (+52) 55-5082-1040 • FAX: (+52) 5386-1797 • www.leviton.com.mx

Visit our Website at: www.leviton.com/les

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