When the ballast is installed in the fixture, or, the relay
1. process for label usage is as follows:

Personnel during the commission phase, then, turned over
or externally visible. The third part of the label is to be affixed
is to remain on the fixture either on the wiring compartment
parts is to remain on the ballast/relay. The second label part
purpose and intended process for usage. One of the label
affixed to the ballast housing. These labels have a particular
requires the knowledge of the ballast/relay 'hard' address.
Part of the commissioning process for SectorNet systems
0-10VDC Sourcing, 10mA
Control Output:
0-10VDC Sinking, 50mA

Motor/Fan – 1/2HP @ 120V, 2HP @ 277V
Support Loads:
120-277VAC, 50/60Hz, 2 Watts
Input Power:
120-277VAC, 60/60Hz, 2 Watts

Input Power: 120-277VAC, 60/60Hz, 2 Watts
Incandescent/Tungsten – 20A, 120V
Motor/Fan – 1/2HP @ 120V, 2HP @ 277V

Control Output: 0-10VDC Sinking, 50mA
0-10VDC Sourcing, 10mA
(power supplied by Relay)

SectorNet Device Addresses
Part of the commissioning process for SectorNet systems
requires the knowledge of the ballast/relay 'hard' address.
The hard address of each relay is provided on a 3-part label
affixed to the ballast housing. These labels have a particular
purpose and intended process for usage. One of the label
parts is to remain on the ballast/relay. The second label part
is to remain on the fixture either on the wiring compartment
or externally visible. The third part of the label is to be affixed
to the lighting/electrical plans for use by Leviton Field Service Personnel during
the commission phase, then, turned over to the owner as part of the as-built document package. The process for label usage is as follows:

1. When the ballast is installed in the fixture, or, the relay
is affixed to the fixture, (2) of the labels should be
removed from the relay at the perforation line, then, the
label backing removed from only (1) of the labels, and
the label affixed to the fixture in a conspicuous location.
Commonly, labels are affixed to wiring compartment or
visible edge of fixture in the room.

2. When the fixture is installed at the location, the last label
should be torn off at the perforation line, the label backing
removed, and the label affixed to the lighting/electrical
plans for use by Leviton Field Service Personnel during
the commission phase, then, turned over to the owner as part of the as-built document package. The event that
building plans are not available, document address in the
charts provided on Leviton drawings or make your own. It is
critical to know the address of each ballast in every room.

System Testing
SYSTEM TEST MODE:
SectorNet System Test Mode will help ring out any wiring
problems. Test mode should be fully exercised with all
devices responding as appropriate prior to the start of
system commissioning.
System Test Mode can be entered by pressing-and-holding
the Test Button on the SectorNet Power Supply/Bus
Controller for approximately 5 seconds.
When the system enters test mode, the SectorNet Power
LED on the Power Supply will start blinking. During test
mode, the following occurs:
• Power LED on the Power Supply/Bus Controller is
  blinking.
• Test button on the Bus Controller can be briefly pressed
to toggle ballast light levels between 10% and 100%.
• Yellow LED is blinking on all switches, occupancy
  sensors, photocell.

RELAY TEST:
The test button on the Sector Relay when pressed the first
time, will turn lights on to full. The second press, will set
them at 10%, the third press will turn them off. If you are not
using the 0-10V control output, the second press will have
no effect. This is useful to test the circuit between the Sector
Relay and your load. Any SectorNet command will cause the
relay to exit test mode and execute the issued command.

Troubleshooting
Failure to install in conformance with the National Electric Code, applicable State or Municipal codes, and
specific UL Safety standards for the intended working environment may cause serious personal injury, death,
and/or property damage.

WARNING AND CAUTIONS:
• To be installed and/or used in accordance with electrical codes and regulations.
• Installation and replacement should only be performed by an electrician.
• Never work on a live circuit. Disconnect power to all related electrical circuits prior to performing work on them.

specifications

Input Power: 120-277VAC, 60/60Hz, 2 Watts
Incandescent/Tungsten – 20A, 120V
Motor/Fan – 1/2HP @ 120V, 2HP @ 277V
Control Output: 0-10VDC Sinking, 50mA
0-10VDC Sourcing, 10mA
(power supplied by Relay)

Device Wiring

WIRING DIAGRAM

Control Wiring

Incoming Power
120-277VAC, 2W

Load
Neutral
Black
Blue
Red
Green
Grey
Brown
Yellow
White
Pink
Violet

Control Output
0-10VDC Sourcing (50mA)
0-10VDC Sinking (50mA)

SectorNet

DI-000-SBCS0-00A

Installation Steps
1. Ensure power is OFF on all circuits you will be working with.
2. Attach Sector Relay to junction box or fixture.
3. Make all Terminations.
a. Incoming Power.
b. SectorNet Network: Min 18AWG wire, Polarity
  Independent and Topology Free (reference Figure 1).
c. Relay: Observe specifications above. (2) Blue wires
  are provided connected to either side of the relay.
  Either one may be connected to Load and/or Line
  power.
d. Control: 0-10Vdc. These connections are optional and
  used only when needed to control a device accepting
  a 0-10Vdc control input. If you only need a relay for on/
  off control, then these wires are not used and should
  be capped and taped. Two control strategies are
  available, sinking and sourcing:
  i. Sinking is the most common method of control and
    is required when the ballast is providing control
    power to the circuit.
  ii. Sourcing is not as common in the ballast market
    as Sinking control but is used by some LED drivers
    and dimmers accepting analog control inputs. In
    a sourcing environment, the Sector Relay provide
    power to the 0-10V control. A Sector Relay is limited
    in supply current to 10mA. This is plenty to run a
    single device or in some cases two. However if you
    intend to run multiple device verify actual current
    draw with the manufacturer prior to use.
4. Document Sector Relay hard address on building plans
5. Inspect all terminations
6. Apply power to circuit
7. Test Sector Relay Load using the test button on the
  Sector Relay
8. Test SectorNet communication (see SectorNet System
  test above)
9. Proceed to SectorNet system commissioning.