GE
Lighting Controls

GE Aware™

Passive Infrared Dual Relay Line Voltage Wallbox Occupancy Sensor (Ground Required)

WIR-10-DR-G-D

Overview

The WIR-10-DR-G-D Occupancy Sensing Wall Switch is a Passive Infrared (PIR) motion sensing lighting control and conventional Wall Switch all-in-one, used for energy savings and convenience.

PIR Technology

The sensor's segmented lens divides the field of view into sensor zones, and detects the changes in temperature that are created when a person, or part of a person as small as a hand, passes into or out of a sensor zone.

The WIR-10-DR-G-D allows the control of two separate loads with one occupancy sensor switch.

Energy Saver Mode – Either or both loads may be configured to turn ON manually. The default setting for the second load is Manual ON. This ensures the Wall Switch only activates one load. If both loads are on when the sensor times-out, only the primary load will be activated. If the lights were shut OFF manually, the unit will activate the primary load only.

In Automatic ON Mode, the lights turn ON automatically when a person enters the room. In Manual ON Mode, the lights are turned ON by pressing the pushbutton. In either mode, the lights stay ON as long as the sensor detects motion in the room. When the room is vacated, the lights turn OFF automatically after a preset Time Delay interval.

The sensor includes self-adaptive technology that continually adjusts to conditions by adjusting sensitivity and Time Delay in Real-time. By adjusting sensitivity and Time Delay automatically, the sensor is maximizing the potential energy savings that are available in the particular application.

The Daylighting feature prevents lights from turning ON, when the room is adequately illuminated by natural light.

Walk-Through feature maximizes energy savings by not leaving the lights ON after a momentary occupancy. The sensor will switch the lights ON when it detects a person entering the area. If the sensor does not continue to detect motion 20 seconds following the initial activation, it will automatically go to a shorter 2 minute Time Delay.

Ordering

Product Code	Description	Color	Coverage	Voltage
63344	WIR-10-DR-G-D-W	White		
63345	WIR-10-DR-G-D-V	Ivory		
63346	WIR-10-DR-G-D-A	Light Almond	1000 sq.ft., 180°	120/277 VAC, 50/60Hz
63347	WIR-10-DR-G-D-G	Gray		
63348	WIR-10-DR-G-D-B	Black		

Specifications

Technology: Passive Infrared (PIR)

Electrical Ratings(per relay):
120 VAC:
- Incandescent/Tungsten – Max. load: 6.7 amps, 800W, 50/60 Hz
- Fluorescent/Ballast – Max. load: 10 amps, 1200W, 50/60 Hz
  Motor Load: ¼ HP @ 125 VAC

277 VAC:
- Fluorescent/Ballast – Max. load: 9.8 amps, 2700W, 50/60 Hz
No minimum load requirements

Time Delays: Self-Adjusting, 15 seconds/test (10 min Auto), Selectable 5, 15, 30 minutes

Operating Environment:
- Temperature: 32° F – 104° F (0° C – 40° C)
- Relative Humidity: 20% to 90% non-condensing
- For indoor use only

Coverage: Major Motion - 1000 sq. ft.
Minor Motion - 300 sq. ft.

Light Level Sensing: 0 to 200 foot-candles

Housing:
- Durable, injection-molded housing. Polycarbonate resin complies with UL94V0.

Size:
- **Mounting Plate Dimensions:**
  4.195" H x 1.732" W (106.553 mm x 44 mm)
- **Product Housing Dimensions:**
  2.618" H x 1.752" W x 1.9" D (66.5 mm x 44.5 mm x 48.26 mm)

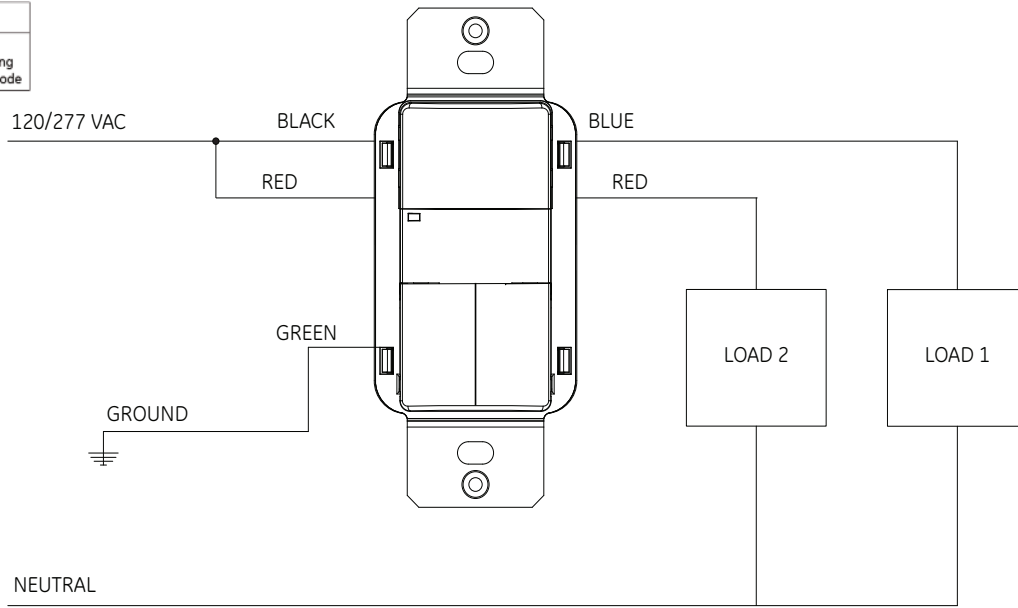**LED Indicators:** Red indicates PIR detection

Operating Modes:
- Automatic ON/Automatic OFF
- Manual ON/Automatic OFF
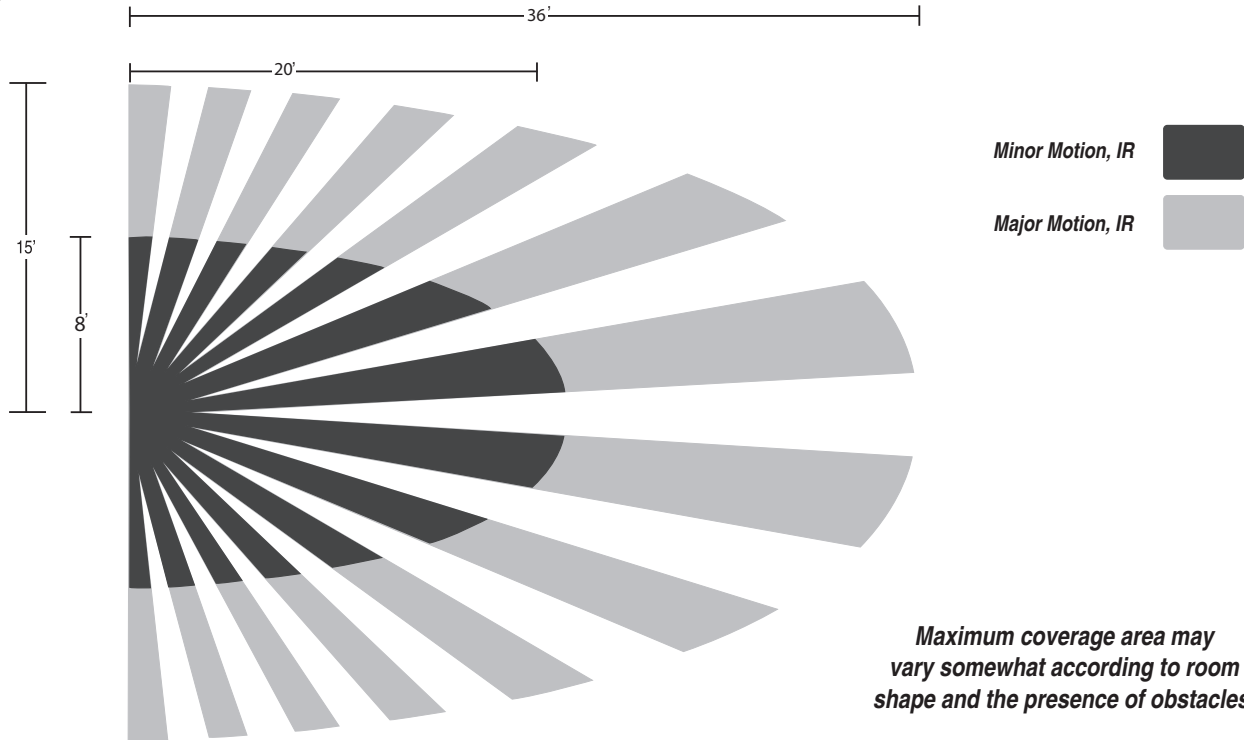
imagination at work

c UL us LISTED APPLIANCE CONTROL 36T0

California Title 24 Compliant

RoHS

Wiring Diagram *(consult instruction sheet for other wiring options)*

⚠ **WARNING**
Risk of electric shock
- Turn power off before servicing
- Install per National Electric Code

120/277 VAC   BLACK   BLUE

RED   RED

GREEN

GROUND

LOAD 2   LOAD 1

NEUTRAL

Coverage

36'

20'

15'

8'

Minor Motion, IR

Major Motion, IR

Maximum coverage area may vary somewhat according to room shape and the presence of obstacles.

Settings

	Time Delay		Activation		PIR Sensitivity	Walk-Through Mode	Not Used	Override	Not Used	Not Used	Daylighting	
			Relay 1	Relay 2							Relay 1	Relay 2
DIP Switch	1	2	3	4	5	6	7	8	9	10	11	12
Auto*	▼	▼	Auto ▼	Auto ▼	Full	Disable ▼		Disable ▼			Disable ▼	Disable ▼
5 Minutes	▼	▲	Manual ▲	Manual ▲	50% ▲	Enable ▲		Enable ▲			Enable ▲	Enable ▲
15 Minutes	▲	▼										
30 Minutes	▲	▲										
*Self-Adjusts to 10 min. user mode												

Default =

DIP Switches

Daylighting
11 12
R1 R2
Disabled ▼
Enabled ▲

PIR 5
Full ▼
50% ▲

Walk-Through
Mode 6
Disable ▼
Enable ▲

900-0533

DIP Switches
1 2 3 4 5 6 7 8 9 10 11 12

Time Delay 1 2
Auto ▼ ▼
5 min. ▼ ▲
15 min. ▲ ▼
30 min. ▲ ▲

Override 8
Disable ▼
Enable ▲

900-0534