

# GRX-CIR-WH Ceiling-Mounted Infrared Receiver

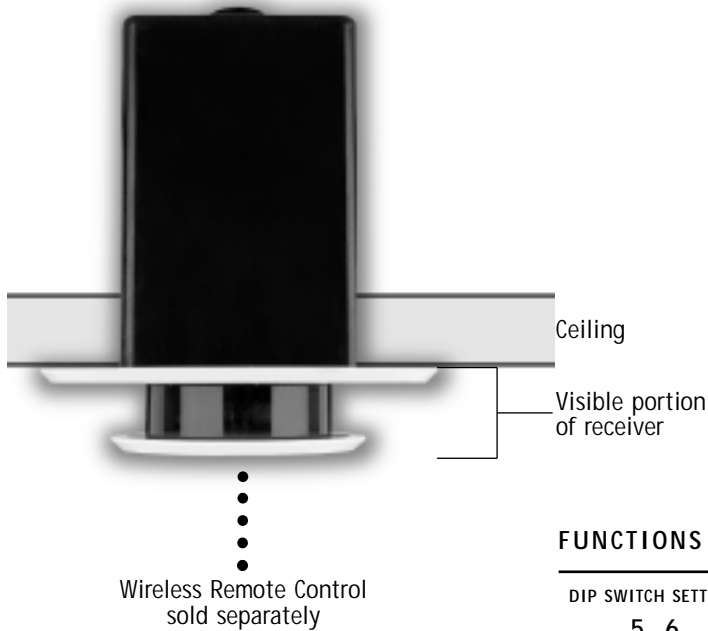
## DESCRIPTION

Lets occupants use a hand-held Wireless Remote Control to adjust lighting when Control Unit(s) are located in a different room or area. Just aim a hand-held Remote at the Ceiling Receiver and click!

- GRX-IT 4-Scene Wireless Remote Control selects scenes 1 to 4, 5 to 8, 9 to 12, or 13 to 16 plus off.
- GRX-8IT 8-Scene Wireless Remote Control selects scenes 1 to 8, 5 to 12, 9 to 16, or 13 to 16/1 to 4 plus off.
- Raise/lower on GRX-IT and GRX-8IT Wireless Remote Controls brightens or dims the selected scene.

The GRX-CIR Ceiling Receiver

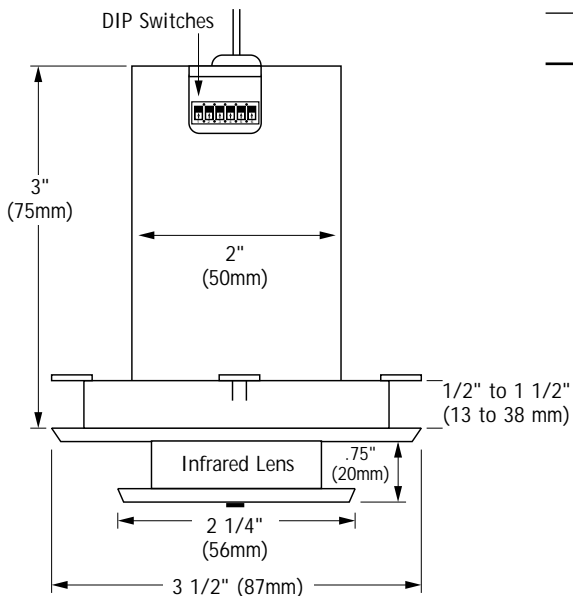
- Has a 360°, 50-foot (15m) line-of-sight reception range.
- Mounts in metal collar provided by Lutron.
- Works with GRX-3000 and GRX-4000 Control Units.  
Can be set up to select scenes in just one Control Unit or a group of up to eight Control Units.
- Counts as one of 16 maximum Wallstations and/or Control Interfaces.



## FUNCTIONS

DIP SWITCH SETTINGS	GRX-IT 4-Scene Wireless Remote Control activates...	GRX-8IT 8-Scene Wireless Remote Control activates...
5 6		
	Scenes 1 to 4	Scenes 1 to 8
	Scenes 5 to 8	Scenes 5 to 12
	Scenes 9 to 12	Scenes 9 to 16
	Scenes 13 to 16	Scenes 13 to 16/1 to 4

## DIMENSIONS



## SPECIFICATIONS

### Power

Operating voltage: Low-voltage Class 2 (PELV), 12VDC to 24VFW.

### Key Design Features

Meets IEC 801-2. Tested to withstand 15kV electrostatic discharge without damage or memory loss.

### Working Range

360°, 50-foot (15m) line-of-sight reception range.

### System Communications and Capacity

- Low-voltage type Class 2 (PELV) wiring connects the Ceiling Receiver to Control Units and other components.
- You can link up to 8 Control Units and up to 16 total Wallstations and/or Control Interfaces for a total of 24 control points.

### Environment

32 -104°F (0 - 40°C). 90% non-condensing relative humidity.

JOB NAME:	MODEL NUMBERS:
JOB NUMBER:	

**MOUNTING**



**Do not touch the lens!**

**1. Choose a location.**

- Make sure there's a clear line-of-sight to the Ceiling Receiver.
- Keep away from ventilation ducts, lighting fixtures, and direct sunlight.

**2. Install the collar.**

- Cut a 2 3/16" (55mm) square opening in the ceiling.
- Insert the collar and hold it tightly against the ceiling.
- Bend down the collar's four fingers.

**3. Set DIP switches 1-4.**

- Set DIP switches to give the Ceiling Receiver the system address from 1 to 16 shown on the One-Line Diagram.

**4. Wire.**

- Daisy chain Ceiling Receiver to Control Unit with low-voltage Class 2 (PELV) wiring for system communications.

**5. Install the Ceiling Receiver.**

- Slide Receiver through ceiling-mounted collar until flange butts against ceiling.

Address	DIP SWITCH SETTINGS			
	1	2	3	4
1	↑	↑	↑	↑
2	↑	↑	↑	↓
3	↑	↑	↓	↑
4	↑	↑	↓	↓
5	↑	↓	↑	↑
6	↑	↓	↑	↓
7	↑	↓	↓	↑
8	↑	↓	↓	↓
9	↓	↑	↑	↑
10	↓	↑	↑	↓
11	↓	↑	↓	↑
12	↓	↑	↓	↓
13	↓	↓	↑	↑
14	↓	↓	↑	↓
15	↓	↓	↓	↑
16	↓	↓	↓	↓

Reserved for GRX-PRG, if present on link.

**CLASS 2 (PELV) WIRING**

Make all connections in the Wallstation's wallbox. Or in a switchbox or junction box with a maximum wire length of 8 feet (2.5m) from the link to the Wallstation.

Ceiling Receiver Wire	Class 2 (PELV)		
	Terminal Connection	When used with GRX-3000 Control Units	When used with GRX-4000 Control Units
Black-and-White Striped	1: Common	<ul style="list-style-type: none"> <li>• Two #18 AWG (1.0mm<sup>2</sup>) conductors.</li> <li>• Make sure you wire the terminal 2 connection correctly. Refer to GRX-3000 Specification Submittal.</li> </ul>	<ul style="list-style-type: none"> <li>• Two #12 AWG (2.5mm<sup>2</sup>) conductors.</li> </ul>
Red	2: 12VDC to 24VFW		
Yellow	3: MUX	<ul style="list-style-type: none"> <li>• One shielded, twisted pair #18 AWG (1.0mm<sup>2</sup>) for data link.</li> </ul>	<ul style="list-style-type: none"> <li>• One shielded, twisted pair #18 AWG (1.0mm<sup>2</sup>) for data link.</li> <li>• Connect Drain/Shield as shown in Wallstation Wiring. Do not connect to Ground (Earth) or Wallstation. It is easiest to connect the bare drain wires and cut off the outside shield throughout the control shield.</li> </ul>
Blue	4: MUX		

JOB NAME:	MODEL NUMBERS:
JOB NUMBER:	