GRX-CIR-WH
Ceiling-Mounted Infrared Receiver

Ceiling

Visible portion
of receiver

Wireless Remote Control
sold separately
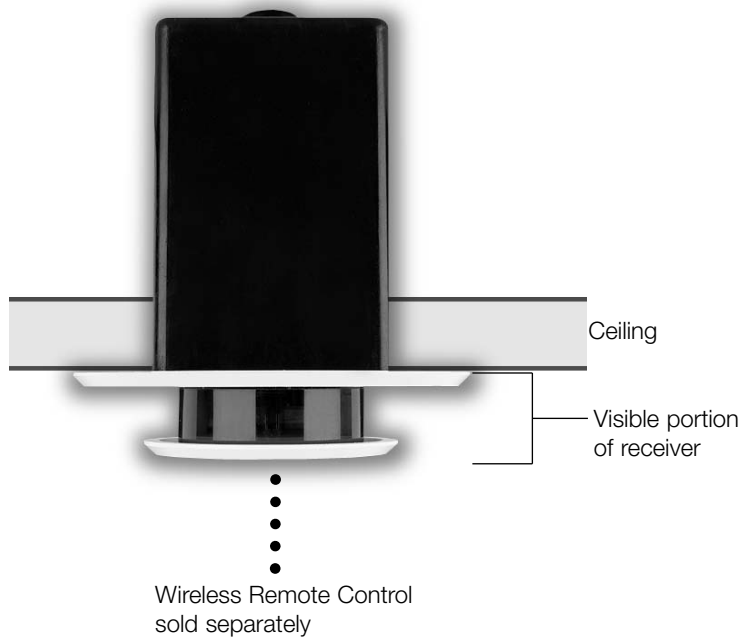
Description

- Allows user to adjust lighting using a hand-held Wireless Remote Control when Control Unit(s) are located in a different room or area.
- Scene selection functionality can be selected in the field.
- Raise/lower button on GRX-IT and GRX-8IT Wireless Remote Controls brightens or dims all lighting in the selected scene.
- Reception range: 360°, 50 ft. (15m) line-of-sight.
- Mounts in metal collar provided by Lutron.
- Works with GRAFIK Eye 3000 and 4000 Series Control Units.
- Selects 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.

Field Selected Functionality

DIP Switch Settings 5 6	GRX-IT 4-Scene Wireless Remote Control activates:	GRX-IT 8-Scene Wireless Remote Control activates:
	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

Job Name:	Model Numbers:
Job Number:	

Specifications

Power

Low-voltage Class 2 (PELV)
Operating voltage: 12/24 V Direct Current.

Key Design Features

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

Working Range

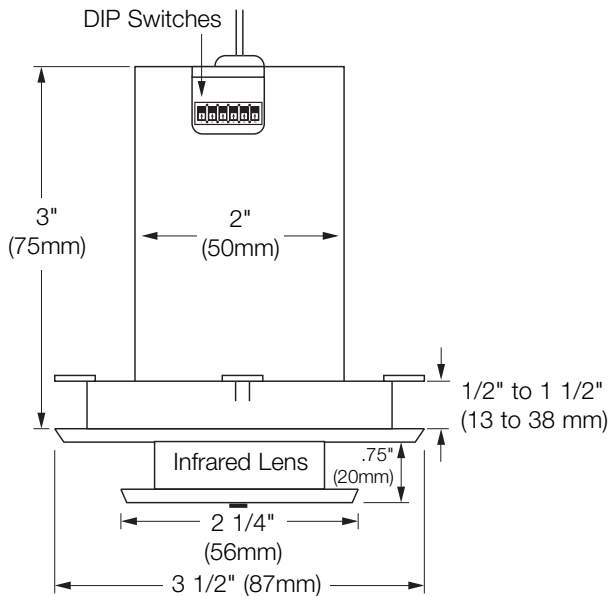360°, 50 ft. (15m) line-of-sight reception range.

System Communications and Capacity

• Low-voltage Class 2 (PELV) wiring connects the Ceiling Receiver
to Control Units and other components.
• Up to 8 Control Units and up to 16 total Wallstations and/or
Control Interfaces may be linked for a total of 24 control points.

Environment

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

Dimensions

DIP Switches

3" (75mm)
2" (50mm)
1/2" to 1 1/2" (13 to 38 mm)
Infrared Lens
.75" (20mm)
2 1/4" (56mm)
3 1/2" (87mm)

Job Name:	Model Numbers:
Job Number:	

Mounting

⚠ Do not touch the lens.

1. Choose a location.
   - Ensure 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 the Ceiling Receiver to Control Unit with low-voltage Class 2 (PELV) wiring for system communications.

5. Install the Ceiling Receiver.
   - Slide the 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.

Job Name:	Model Numbers:
Job Number:	

Low-Voltage Class 2 (PELV) Wiring

• Use low-voltage Class 2 (PELV) wiring to daisy-chain Wallstations to Control Units and other components.
• Make connections inside the wallbox or in a switch/junction box with a maximum wire length of 8 feet (2.5m) from the link to the Wallstation.

When used with GRAFIK Eye 3000 Control Units:

• Two #18 AWG (1.0mm^2) conductors for common (terminal 1) and 12 V Direct Current (terminal 2). Ensure that the terminal 2 connection is wired correctly. Refer to GRX-3000 Specification Submittal for more details.
• One shielded, twisted pair #18 AWG (1.0mm^2) for data link (terminals 3 and 4).

When used with GRAFIK Eye 4000 Control Units:

• Two #12 AWG (2.5mm^2) conductors for common (terminal 1) and 24 V Direct Current (terminal 2).
• One shielded, twisted pair #18 AWG (1.0mm^2) for data link (terminals 3 and 4).
• Do not connect Drain/Shield to Ground (Earth) or Wallstation. Connect the bare drain wires and cut off the outside shield.

Ceiling Receiver Wire	Class 2 (PELV) Terminal Connection
Black and White Striped	1: Common
Red	2: 12/24 V DC
Yellow	3: MUX
Blue	4: $\overline{\text{MUX}}$

Job Name:	Model Numbers:
Job Number:	