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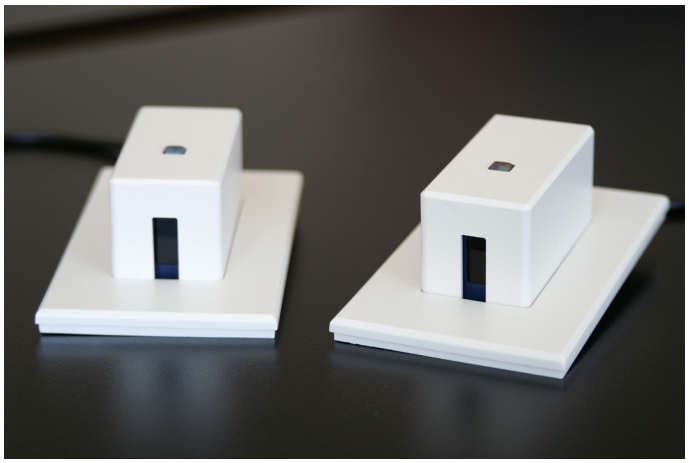
GRX-IRPS-WH Partition Sensor

Description

The GRX-IRPS Partition Sensor uses an infrared transmitter/receiver pair to detect partition movement and, in conjunction with other Lutron products, coordinates lighting preset functions in areas such as partitioned meeting rooms or ballrooms. The GRX-IRPS may be used with GRAFIK Eye 3000 or 4000 systems, GRAFIK Eye QS, Energi Savr Node, or Quantum systems.



Features

- Automatically combines lighting preset functions when partition is open creating one large space.
- Lighting preset functions become independent as partition is closed creating several smaller spaces.
- For operation with GRAFIK Eye 3000/4000 system, the GRX-IRPS requires an interface (GRX-IO) and a power supply (GRX-12VDC or PP-DV).
- For operation with GRAFIK Eye QS,or Energi Savr Node systems, the GRX-IRPS requires an interface (QSE-IO) and a power supply (GRX-12VDC or PP-DV).
- For operation with Quantum, the GRX-IRPS requires either an interface (QSE-IO) or wallstation with contact closure input (QSWS2-, QSWA-, or similar) and a power supply (GRX-12VDC or PP-DV).

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Specifications

Power

- Operating voltage: Low-voltage PELV (Class 2: USA) 12–24 V⎓, 135 mA.
  - Lutron recommends using a GRX-12VDC plug-in power supply or a PP-DV power supply (both ordered separately).
    - One GRX-12VDC can supply power to eleven sensor transmitter/receiver pairs.
    - One PP-DV can supply power to one sensor transmitter/receiver pair.
- Transmitter and receiver have reverse polarity and short-circuit protection.

Sensor Status Indicator

- Receiver and transmitter includes an LED indicator that assists in sensor alignment during installation and provides sensor operating status.
  - Transmitter LED will be green when properly powered and transmitting
  - Receiver LED will be orange when receiving beam and not illuminate when blocked.

System Capacity

- Each GRX-IO or QSE-IO Interface (prefix QSWS2-, QSWA-, or similar; ordered separately) can accommodate up to five GRX-IRPS partition sensors for five different moveable walls.
- Each seeTouch wallstation (ordered separately) can accommodate one GRX-IRPS partition sensors for one moveable wall.
- Contact Closure Output from GRX-IRPS is configurable to Normally Open or Normally Closed from receiver unit.

Connection

- Wire leads provided.

Finish

- White painted plastic.

Environment

- 32 °F–104 °F (0 °C–40 °C). Relative humidity less than 90% non condensing.

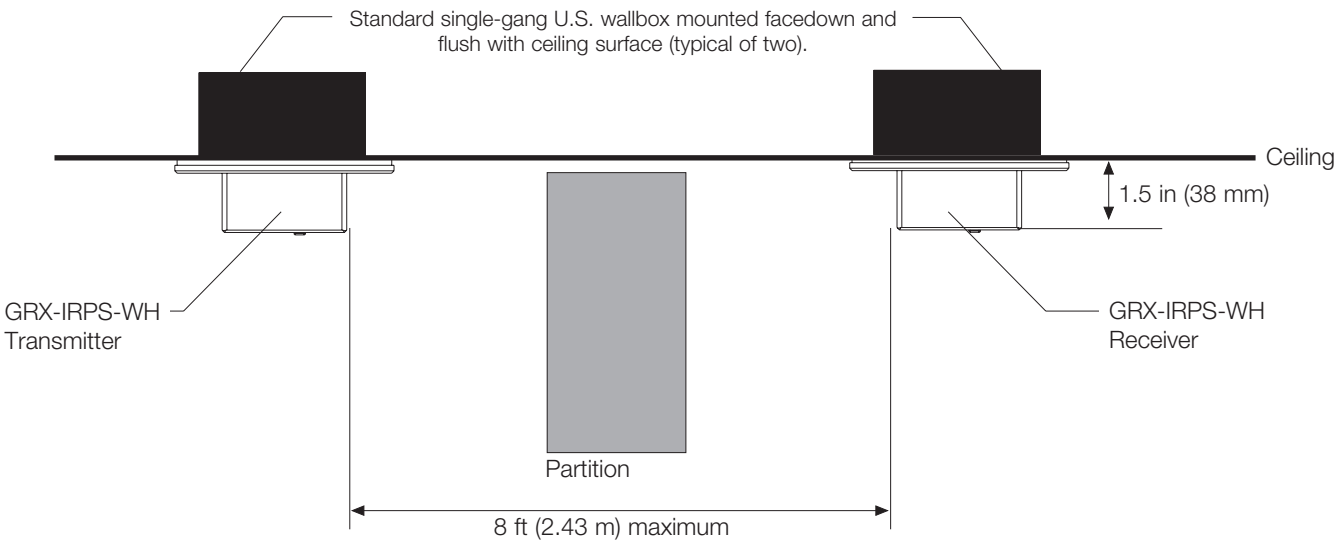
Mounting

- Surface mount indoors only.

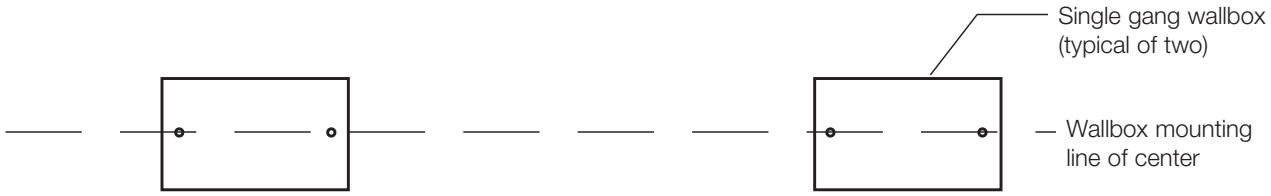
Dimensions and Mounting

- Receiver and transmitter surface mount in 1-gang U.S. wallboxes 3.5 in (89 mm) deep, mounted facedown from the ceiling. Indoor use only.
- The sensors must be mounted in a position where the partition separates the transmitter and receiver when the partition is closed.
- Transmitter and receiver may be located no more than 8 ft (2.43 m) apart.
- Adjustable mounting brackets allow easy alignment during installation.
- Wires feed through the back of the transmitter/receiver.

Side View



Top View



Job Name:	Model Numbers:	
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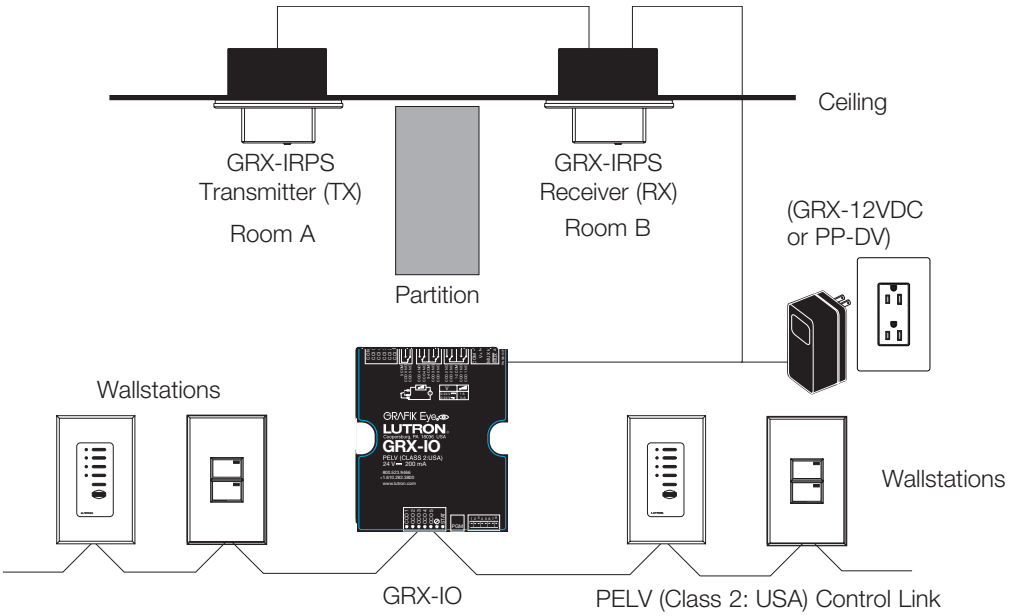
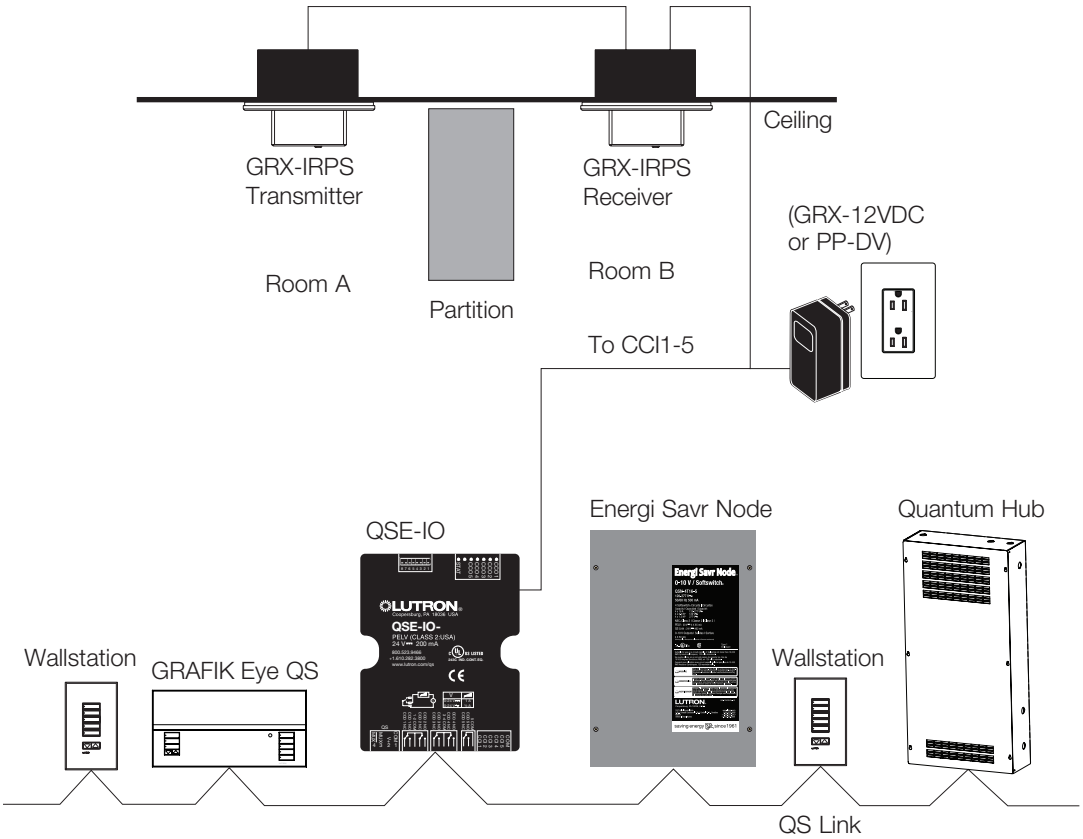
System Diagrams

GRAFIK Eye 3000 and 4000 Systems



GRAFIK Eye QS System, Energi Savr Node System, Quantum System



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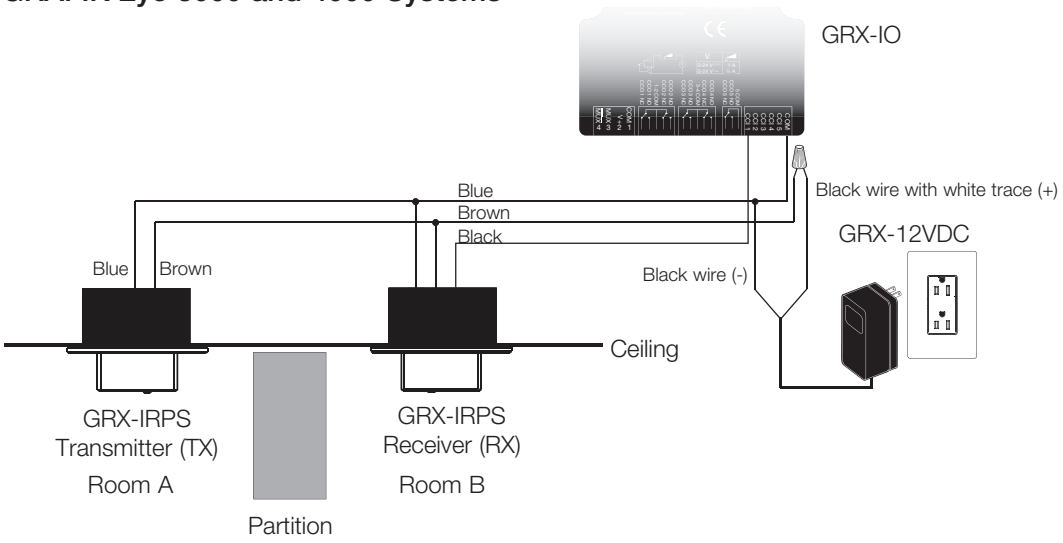
Wiring Diagrams

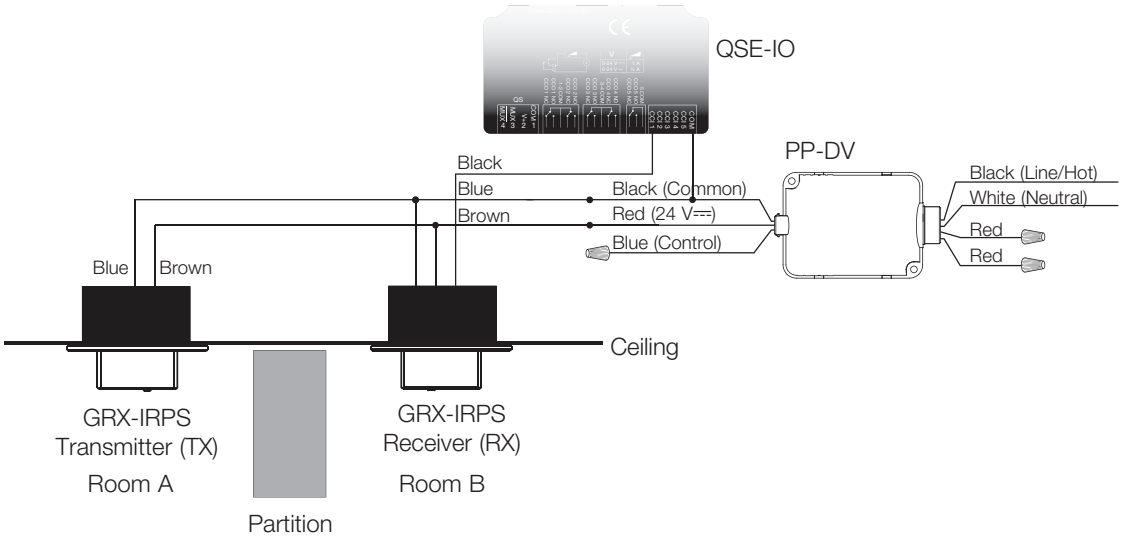
GRAFIK Eye 3000 and 4000 Systems



Note: Diagram represents a single partition. A GRX-IO will accomodate up to five GRX-IRPS partition sensors (five partitions). A single GRX-12VDC will power up to eleven GRX-IRPS partition sensors.

Note: The GRX-IO is programmed for partition mode. Set input closures for maintained inputs (refer to the GRX-IO installation instructions).

GRAFIK Eye QS System, Energi Savr Node System, Quantum System



Note: Diagram represents a single partition. A QSE-IO will accomodate up to five GRX-IRPS partition sensors (five partitions). A single PP-DV will power one GRX-IRPS partition sensor.

Note: The QSE-IO is programmed for partition mode. Set input closures for maintained inputs (refer to the QSE-IO installation instructions).

Job Name:	Model Numbers:	
Job Number:		