
PIR Occupancy Sensor

Silent Presence Detection Without Blinking Indicator

LX-PIR01

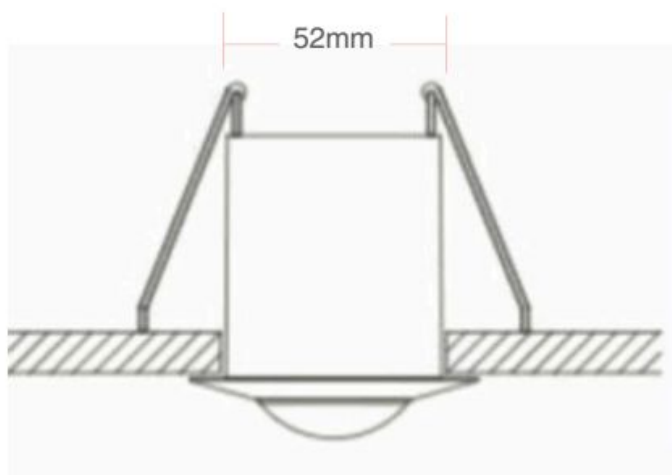


Detect guest presence with precision using the Luxio Controls PIR Occupancy Sensor. Designed for silent operation without a blinking indicator, it delivers reliable occupancy detection for intelligent lighting, HVAC, and energy-saving automation while maintaining a discreet appearance in modern hospitality environments.

Installation & Detection Range

(in mm)

The sensor has two metal springs to allow ceiling installation as follows. The hole for sensor will be 52mm



Not Recommended Installation cases

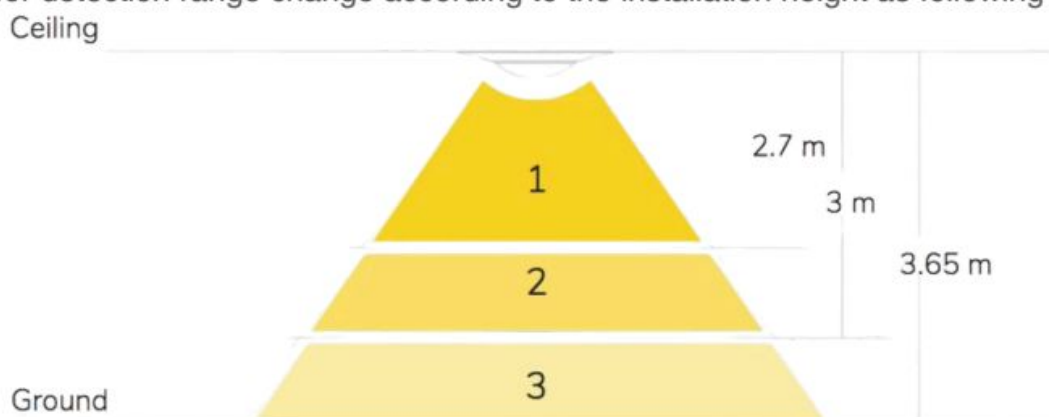
- Near the window with direct sunlight on the sensor's lens
- Near utilities that can rapidly change the temperatures (coolers, heaters etc.)
- Near reflecting surfaces (mirrors)
- Near places with fast air circulation (ventilation units, open windows and doors)
- Near metal objects that can cause radio attenuation or shading
- Outside the building, the production is designed for indoor use only
- In a room with temperature and humidity exceeding the appropriate levels

Detection Range

(in m)

Detection Range

The sensor detection range change according to the installation height as following chart



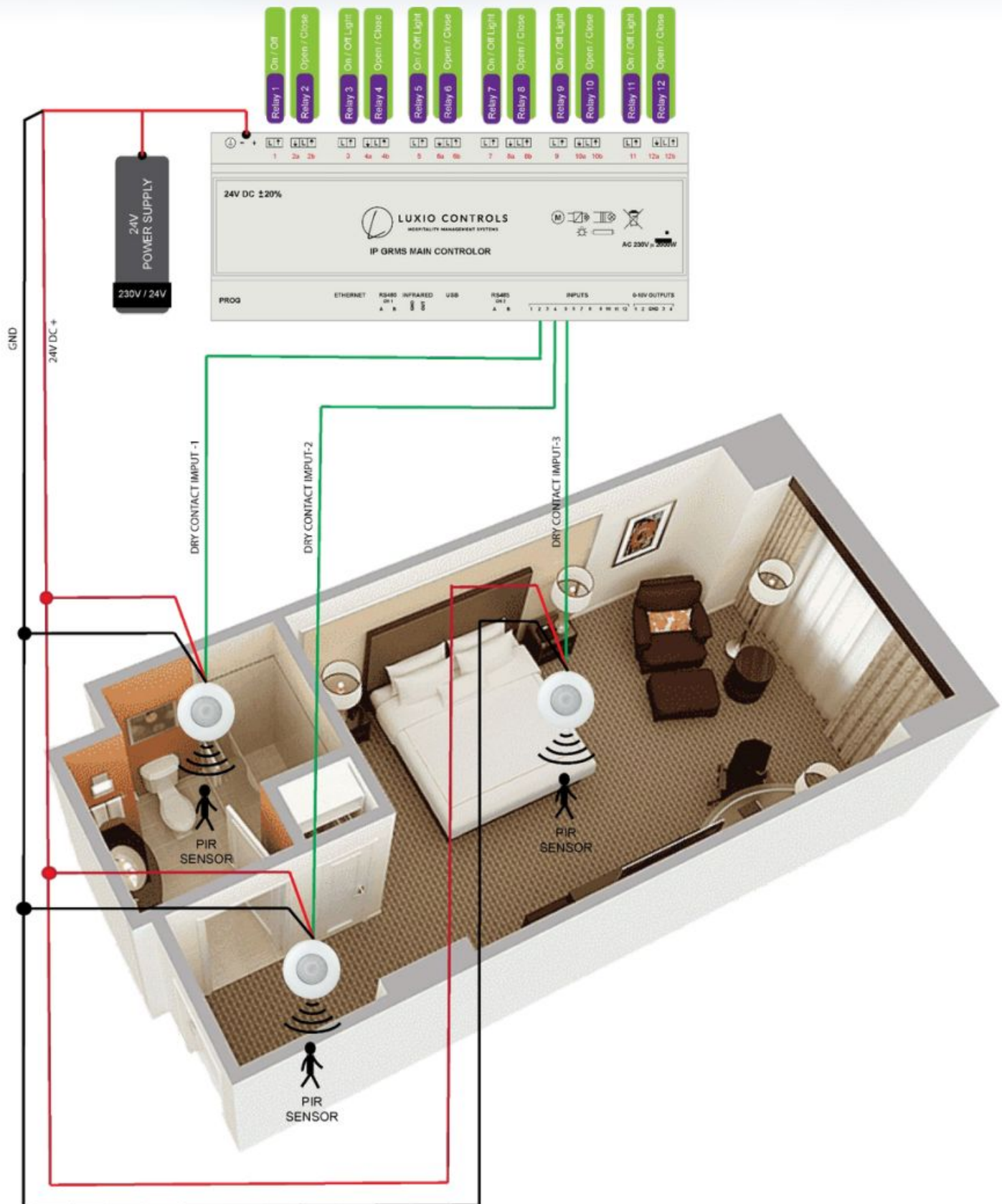
Sensing diameter:

1
Motion - 8 m

2.
Motion - 8.56 m

3
Motion - 10.4 m

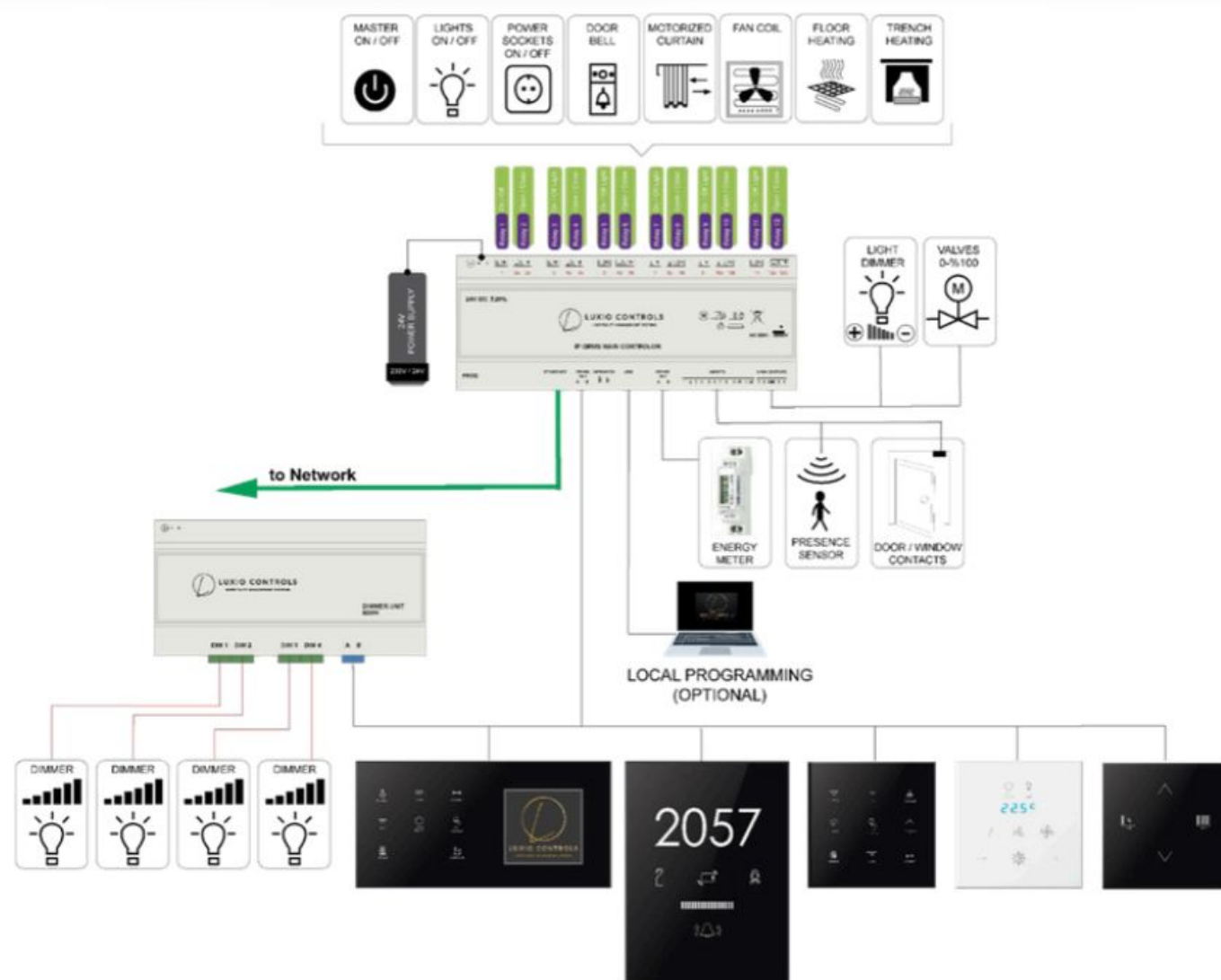
System Integration



Technical Specifications

Parameter	Value
Product Name	LX-PIR01
Power Supply	24VDC $\pm 20\%$ <1W
Sensor Responsivity	4000W/V
Physical Interface	Dry Contact Slient
Operating Humidity Range	30 - 85% RH non-considering
Warm Up Time	15 Seconds
Storage & Transportation Temperature Range	10 °C / +60 °C
Operating Temperature	0 °C / +45 °C
Case Material / Mounting	ABS Halogen Free / Suspended Ceiling with 2 metal springs
Color	Standart White
Dimension (W x H x D)	Φ:66 x H:91mm (Suspended Ceiling hole opening Φ:52mm)
Protection Level	IP 32

Wiring Diagram and Functions



About Luxio Controls

Luxiospecializes in hotel automation solutions for both the retrofit and new-build markets. We use state-of-the-art technologies to increase the energy efficiency of hotel rooms and the productivity of hotel staff by streamlining operating processes. Our products have been developed for the hotel industry.

Luxio typically saves hoteliers an average of up to 40% in energy costs and 30% on staff count per property. Luxio is known to increase guest satisfaction, which is positively reflected in online guest reviews. According to a US Environmental Protection Agency calculation, installing one Luxio Room Kit is equal to planting 535 trees.

Luxio Controls Hospitality Management Systems

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