



# Multiplexor for Occupancy Sensors

With inputs for up to three occupancy sensors



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Range DGOZ-MPX-PIR3

## Overview

The Multiplexor [DGOZ-MPX-PIR3] is used as part of a RAPIX Lighting Control System to allow each of the four smart ports on an eHub to control up multiple occupancy sensors.

The RAPIX Multiplexor connects directly to an eHub and up to three occupancy sensors can be directly connected to each Multiplexor.

## Features

**Expands eHub smart ports** to allow three occupancy sensors to be connected to each of the four ports (12 in total)

**The Multiplexor connects** directly to and is powered from a RAPIX eHub

**No terminal blocks** on the Multiplexor for the eHub and sensor connections - uses plug-in connectors

**Light and small size**, only 41mm x 24mm x 24mm

**SELV only**, No mains segregation requirements



## Multiplexor

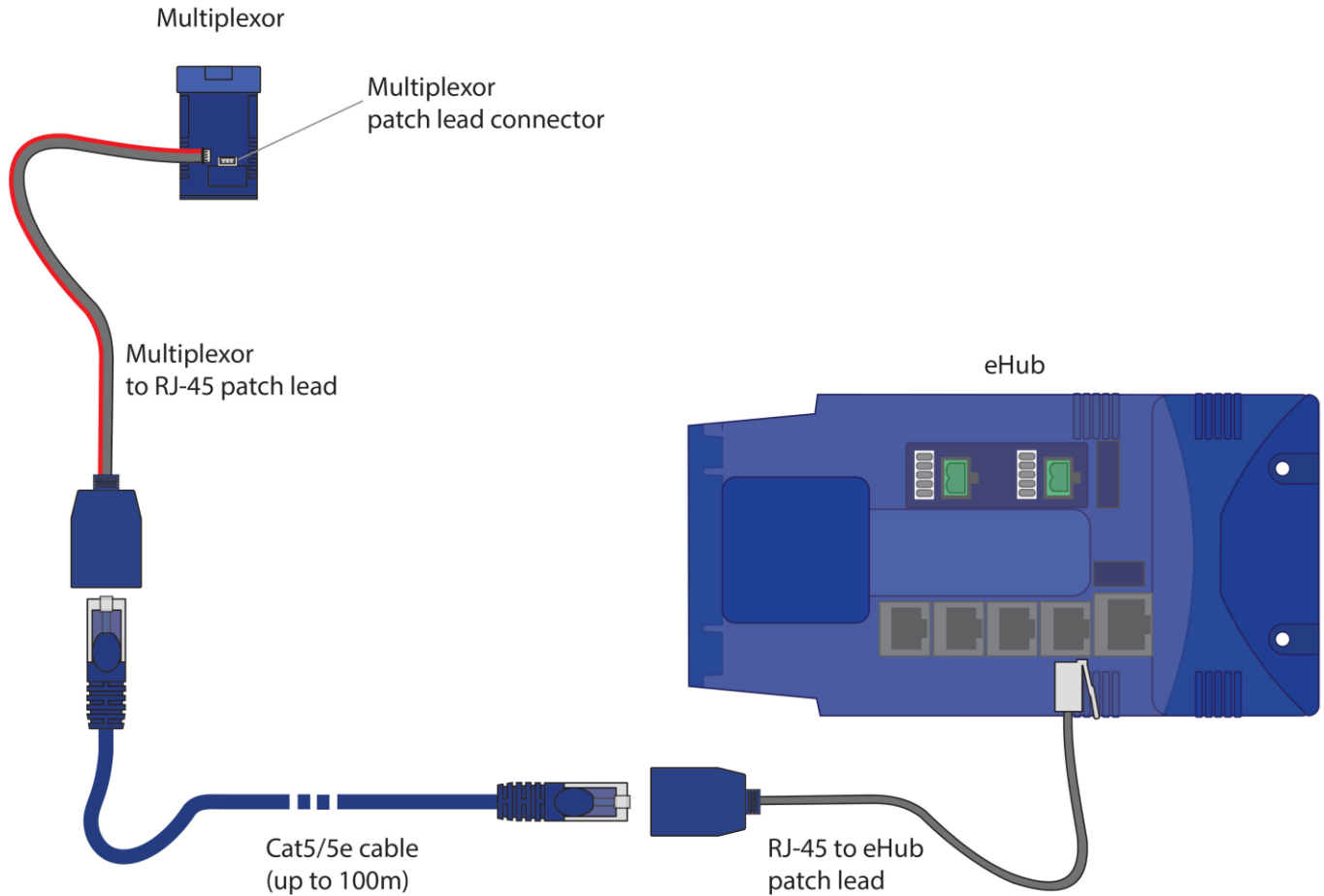
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### Connection to RAPIX eHub

The Multiplexor is **only suitable for use with the RAPIX eHub**.

The Multiplexor can be connected and powered from any of the four eHub smart channel inputs.

Patch leads are provided to connect the Multiplexor to the eHub as shown below.



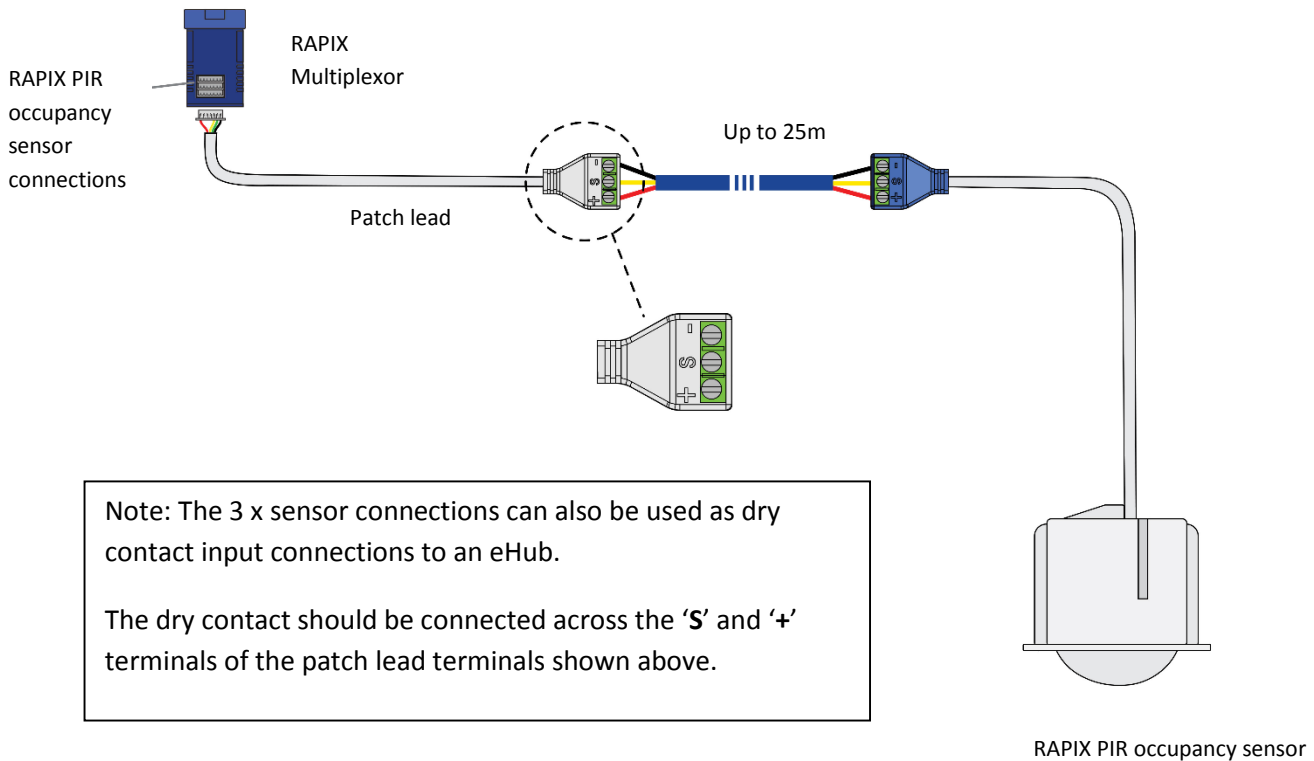


## Multiplexor

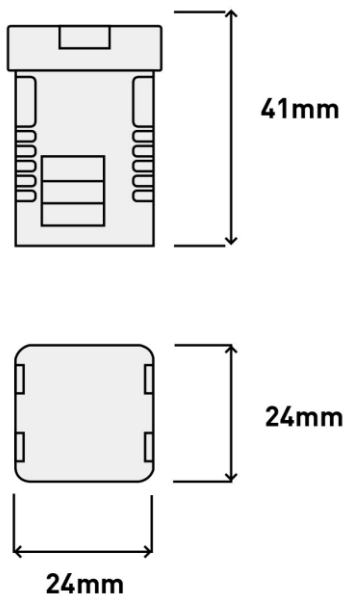
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### Connecting a PIR sensor to the Multiplexor

Up to three RAPIX occupancy sensors can be connected to a Multiplexor, as shown below.



### Dimensions









## Multiplexor

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### Specifications

Parameter	Specification
<b>Input Voltage</b>	12Vdc (supplied via RAPIX eHub)
<b>Input current</b>	10 mA with no PIRS. Up to 160 mA fully populated with PIR's. Each PIR should have a current draw ↓ 50 mA. A suitably sized eHub power supply should be used that can handle the total number of PIRs.
<b>Operating Temp</b>	0-50°C
<b>Number of PIR connections supported</b>	3
<b>Maximum distance between eHub and LLS</b>	100m (cat5/cat5e/cat6 cable)
<b>Maximum distance between LLS and a PIR</b>	25m (cat5/cat5e/cat6 cable)
<b>IP Rating</b>	IP20
<b>Identification LED indicator colour</b>	Red
<b>Input Voltage</b>	12Vdc (supplied via RAPIX eHub)
<b>Input current</b>	10 mA with no PIRS. Up to 160 mA fully populated with PIR's. Each PIR should have a current draw ↓ 50 mA. A suitably sized eHub power supply should be used that can handle the total number of PIRs.
<b>Operating Temp</b>	0-50°C
<b>Number of PIR connections supported</b>	3
<b>Approvals</b>	   

### Approvals & Compliance

IP20  

#### CONTACT INFORMATION

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