

- **Smallest CASAMBI motion detector.**
- **Wide supply range 12-24VAC or DC**
- **Smallest power consumption**
- **Simply operates with CASAMBI.**

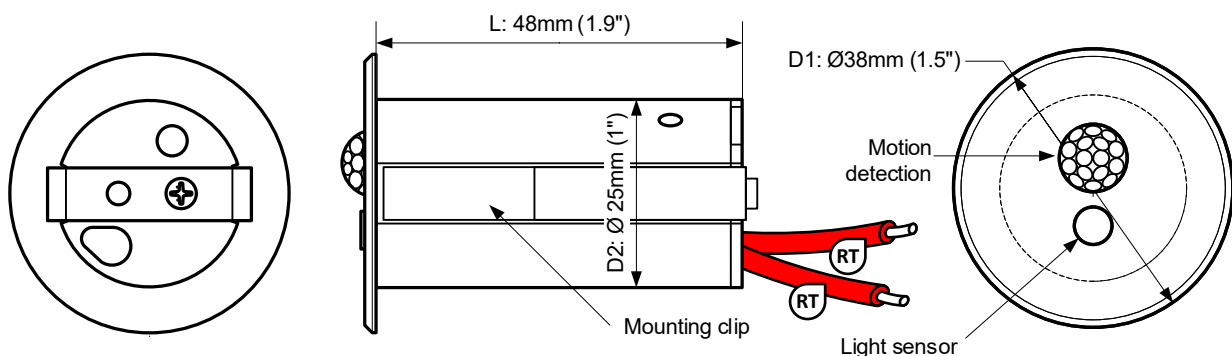
The LIGA.AIR.SP.12-24 is a CASAMBI motion detector that has a PIR and a light sensor for motion detection. With these sensors it is possible to automatically switch a light source, a group, whole light scenarios, animations or complete CASAMBI networks by measured motion and/or via freely selectable Lux values.

This completely implements Daylight Harvesting with different light levels during the day and synchronous control of the luminaires. In combination with CASAMBI, this motion sensor helps to achieve significant savings in energy consumption by switching on the light only when necessary. Follow-Me, Swarm-Control and active / standby solutions can also be implemented for office, industrial, retail, hospitality and home applications.

As a Casambi Ready product, it is directly integrated into the complete CASAMBI system. All configurations and runtimes are conveniently and quickly set using the CASAMBI App.

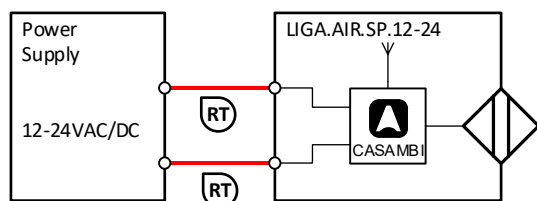
The extremely compact housing design allows easy installation (25mm hole) anywhere in the room, such as in hollow ceilings and walls, and requires only the connection to a 12-24 AC or DC power supply.

#### Dimensional drawing:

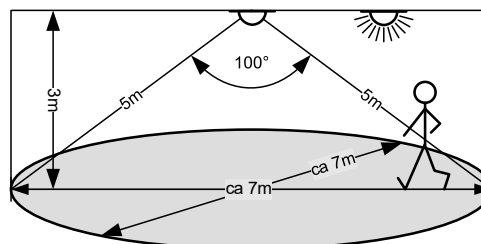




### Schematics:



### Motion detection range:



### Technical specifications:

|                                      |   |
|--------------------------------------|---|
| Dimensions (L x D1 x D2)             | 48mm (1.5") x Ø 38mm (1.9") x Ø 25mm (1")   |
| Weight                               | 25g   |
| Enclosure colors                     | White (RAL9010), black (RAL9005) and gray (RAL7021)   |
| Mounting                             | In mounting hole with Ø 25mm-27mm (1")  |
| Environmental conditions             | In operation: Temperature -20 ... 50°C, Humidity < 85%rH<br>In storage, transport: Temperature -25 ... 65°C, Humidity < 95%rH |
| Protection type / Protection class   | IP44 ( Front ) / Protection Class II  |
| Connections                          | Flex 2 x 0.5 mm <sup>2</sup> (AWG30), Approx. length 300mm: 2 x Red 12-24V AC or DC   |
| Power supply / Frequency             | 12-24V AC or DC   |
| Power consumption / draw             | max. 0.4W   |
| Standards                            | EN 60669-2-1 / EN 61000-6-3 / EN 61000-6-2, WEEE and RoHS   |
| Sensor measurement range / angle     | max. 5m / 100° (horizontal)   |
| Sensor detection zones               | 64 zones  |
| Activation times / Twilight settings | Configurable using the Casambi app  |
| Applications                         | Safety technology, movement detection, automatic light control, energy-saving etc.  |
| Scope of delivery                    | 1 motion sensor   |

### Compatible devices:



### Range:

CASAMBI uses mesh network technology so each CBU-ASD acts also as a repeater.

Longer ranges can be achieved by using multiple CASAMBI units.

Range is highly dependent on the surrounding and obstacles, such as walls and building materials.

