



Extend your smart lighting system

SylSmart Sensor HBIR29SV SSA



Incorporate more fixtures to your smart lighting system – the SylSmart detached sensor allows flexible, staged extension of smart control over your existing lighting.

The SylSmart HBIR29 is a detached ceiling mounted sensor with Bluetooth® Qualified mesh built in and DALI output control. This versatile sensor aims to enable the control of lighting

devices which cannot incorporate a sensor such as downlights and yet bring them under the control of the wider system. Comes complete with detection shields and a surface mounting accessory is also available.

To make your life easier, all commissioning and setup can be done via the SylSmart Connected app.

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Features

- **Bluetooth® Qualified mesh** compliant
- **Control 8 devices** using DALI broadcast
- **Surface mount kit** available as accessory
- **PIR occupancy detection** with 2 types of PIR lens (wide and narrow field of view) and blinds included in the box (Corridor and asymmetric)
- **Daylight harvesting**
- **Compact** form factor
- **Autonomous** sensor-based control
- **OTA firmware** upgrade
- **Decentralised control** (no single point of failure)
- **Simple and user friendly** installation, commission it rapidly through the **SylSmart Connected app**

Product information and optional accessories



9041523 SylSmart Sensor HBIR29SV SSA



9041524 SylSmart HA03 Ceiling/Surface Mount Kit



0041538 SylSmart Energy Harvesting Switch



9041522 SylSmart PCD 1-300 DALI PHASE Dimmer SSA



9041714 SylSmart 492 DALI Relay 16A

Technical specifications

Bluetooth Transceiver

| | |
|------------------------|---------------------|
| Operation frequency | 2.4 GHz - 2.483 GHz |
| Transmission power | 4 dBm |
| Range (Typical indoor) | 10 m |

Sensor Data

| | |
|------------------------|---|
| Sensor principle | PIR detection |
| Detection range (Max.) | (Ø x H) 10m x 3m |
| Detection angle | 360° |
| Mounting height | 3m (5m maximum) |
| Standard compliance | EN300328, EN301489-1, EN301489-17, EN62479, EN55015, EN61547, EN60669-1, EN60669-2-1, EN62493 |

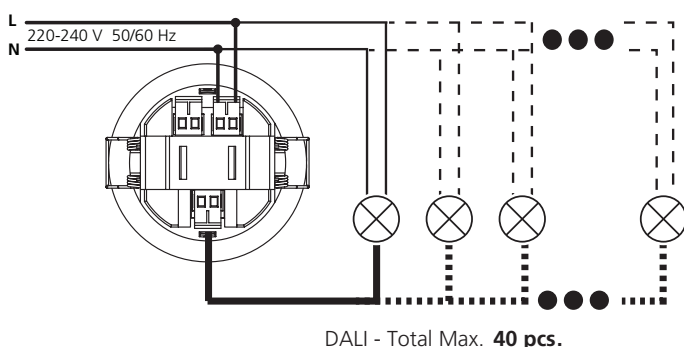
Input & Output Characteristics

| | |
|-------------------|------------------------------|
| Operating voltage | 220~240VAC 50/60Hz |
| Max input current | 10mA |
| Stand-by power | <0.65W (Empty load) |
| Switched power | Bus Power |
| Warming-up | 5s |
| Tc max | 60°C |
| Lux range | 1-1,000lux Tolerance +/- 20% |

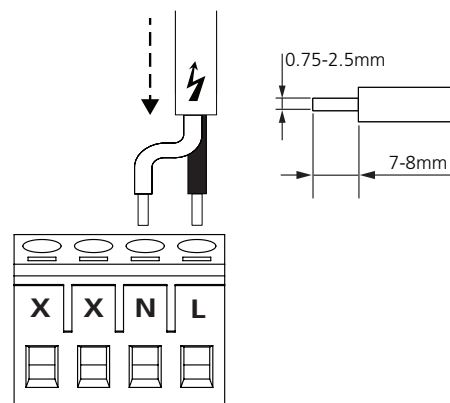
Sensor Data

| | |
|--------------------------|--------------------------|
| Operation temperature | Ta: -20°C ~ +50°C |
| Operation humidity (RH%) | 10%~90% (Non-condensing) |
| Storage temperature (°C) | -40°C~+70°C |
| Storage humidity (RH%) | 10%~90% (Non-condensing) |
| IP rating | IP20 |

Wiring



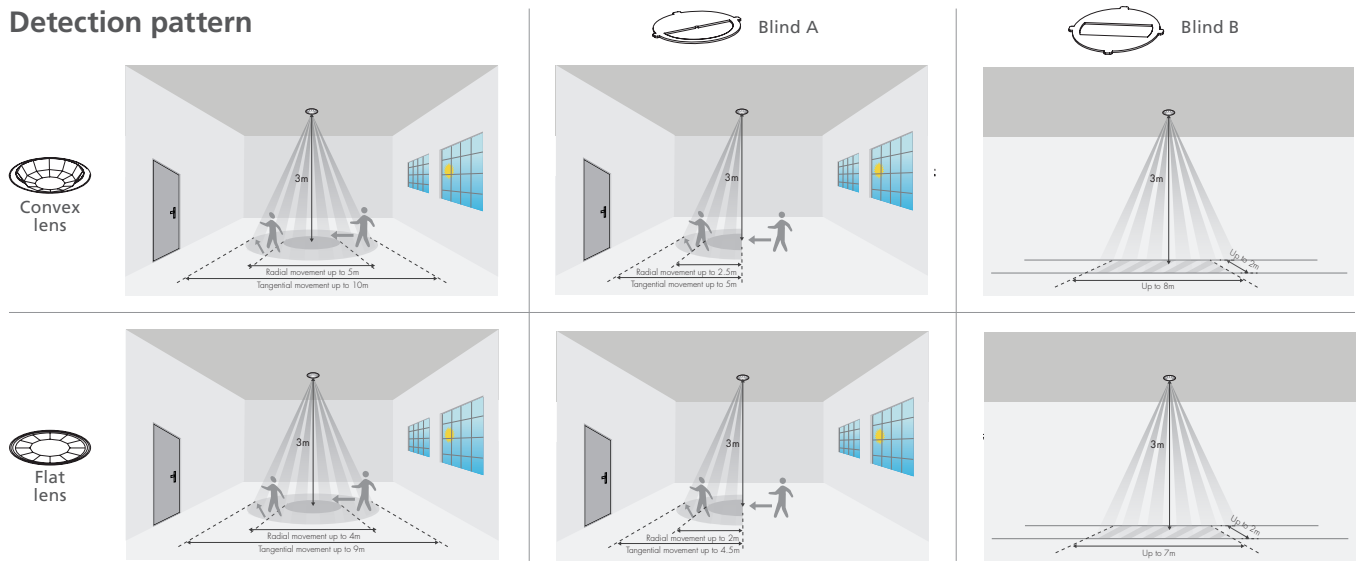
Connector preparation



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Detection pattern



Mechanical structure & dimensions (mm)

