

1. Technical Specifications

| | |
|---------------------------|--|
| Product type | Bluetooth® Receiver Node |
| Mains voltage | 230VAC 50Hz |
| Load | 1-150VA (Capacitive) / 1-150W (Resistive) |
| Stand-by power | <0.5W |
| Operation frequency | 2.4 GHz - 2.483 GHz |
| Transmission power | 4 dBm |
| Range (Typical) | 10 – 30m |
| Protocol | Bluetooth® 5.0 SIG Mesh |
| Operation temperature | Ta: -20°C ~ +45°C |
| Case temperature (Max.) | Tc: +80°C |
| Storage temperature | -20°C ~ +60°C |
| Max. relative humidity | 20 – 90% |
| IP rating | IP20 |
| Impulse withstand voltage | 2.5kV |
| Duty type | S1 |
| Insulation material | PTI material group IIIa |
| Glow wire | level 3, 850°C |
| Protection | Built-in protection provide |
| Insulation | Class II Pollution degree 2 |
| EMC standard (EMC) | EN55015, EN61547, EN61000-3-2, EN61000-3-3 |
| Safety standard (LVD) | IEC 61058-1, EN 61058-1, IEC 61058-1-2, EN 61058-1-2, AS/NZS 61058.1 |
| Radio Equipment (RED) | EN300 328, EN301489-1, EN301489-17, EN62479 |

2. Download the App

Free App for set-up and commissioning

Bluetooth 5.0 SIG mesh





iOS 10.0 or later



Android 5.0 or later





Web app/platform:
iot.koolmesh.com

3. Dimming Interface Operation Notes

Switch-Dim

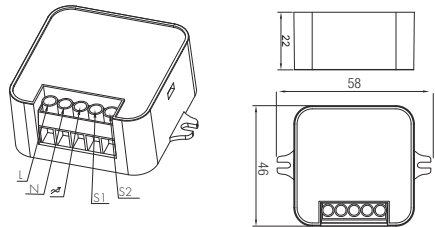
The provided Switch-Dim interface allows for a simple dimming method using commercially available non-latching (momentary) wall switches. Detailed Push switch configurations can be set on Koolmesh app.

| Switch Function | Action | Descriptions |
|-----------------|---|---|
| Push switch | Short press (<1 second) * Short press has to be longer than 0.1s, or it will be invalid. | - Turn on/off - Recall a scene - Turn on only - Exit manual mode - Turn off only - Do nothing |
| | Double push | - Turn on only - Exit manual mode - Turn off only - Do nothing - Recall a scene |
| | Long press (≥1 second) | - Dimming - Colour tuning - Do nothing |
| Simulate sensor | / | - Upgrade a normal on/off motion sensor to a Bluetooth controlled motion sensor |

4. Installation

⚠ Warnings:

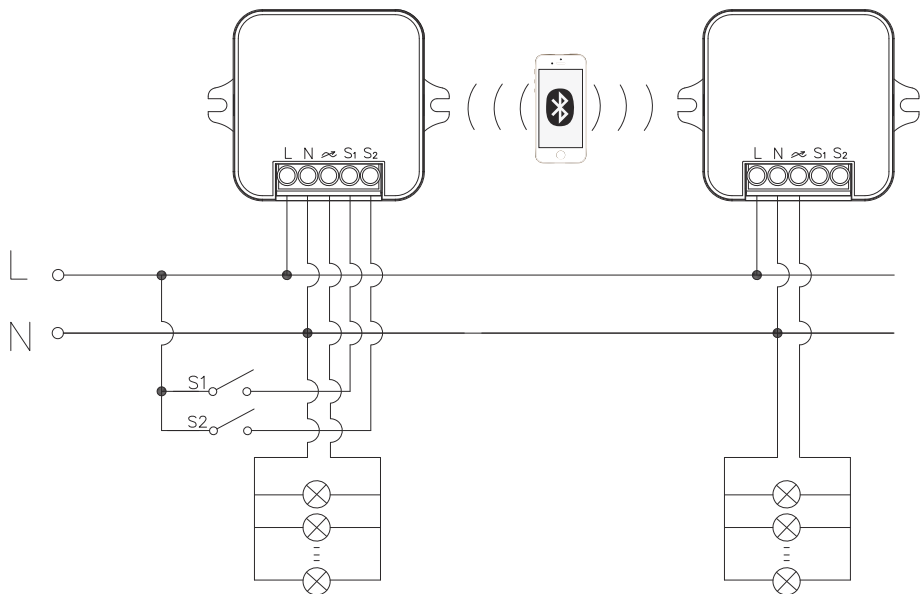
1. Installation must be carried out by a qualified engineer in accordance with local regulations.
2. Disconnect power supply before installing.
3. Ensure environmental conditions are suitable for electronic equipment.



Wire Preparation



Rising clamp terminal.



5. Additional Information / Documents

1. To learn more about detailed product features/functions, please refer to www.hytronik.com/download ->knowledge ->Introduction of App Scenes and Product Functions
2. Regarding precautions for Bluetooth product installation and operation, please kindly refer to www.hytronik.com/download ->knowledge ->Bluetooth Products - Precautions for Product Installation and Operation
3. Data sheet is subject to change without notice. Please always refer to the most recent release on www.hytronik.com/products/bluetooth-technology ->Bluetooth Sensor ->Receiver Nodes
4. Regarding Hytronik standard guarantee policy, please refer to www.hytronik.com/download ->knowledge ->Hytronik Standard Guarantee Policy