

### 1. Technical Specifications

Product type	Bluetooth® DALI Digital Receiver Node (Flush mount)
Mains voltage	220-240VAC 50/60Hz
Rated load	Max.100mA
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: +75°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

### 2. Download the App

Free App for set-up and commissioning

## Bluetooth 5.0 SIG mesh

for iOS

for Android

Smartphone app for both iOS & Android platform

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for iPad

Koolmesh Pro app for iPad

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for Web

Web app/platform: [www.iot.koolmesh.com](http://www.iot.koolmesh.com)

### 3. Dimming Interface Operation Notes

Switch-Dim

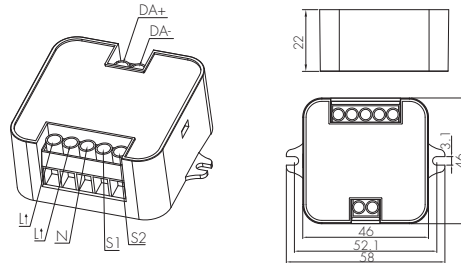
The provided Switch-Dim interface allows for a simple dimming method using commercially available non-latching (momentary) wall switches. Detailed Push switch configurations can be set on Koolmesh app.

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:

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

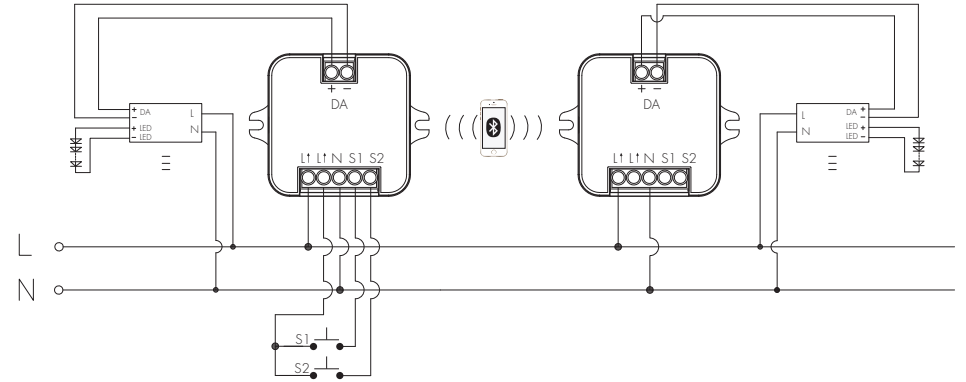


#### Wire Preparation



- 200 metres (total) max. for 1mm<sup>2</sup> CSA (Ta = 50°C)
- 300 metres (total) max. for 1.5mm<sup>2</sup> CSA (Ta = 50°C)

### Wiring Diagram



### 5. Additional Information / Documents

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