



HYTRONIK HBTD8200V/F Bluetooth Receiver Node Instruction Manual

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HYTRONIK®

HYTRONIK HBTD8200V/F Bluetooth Receiver Node



Technical Specifications

- Product type: 10V Receiver Node (Flush mount)
- Mains voltage: 220~240VAC 50Hz
- Rated load: 400VA(Capacitive); 800W(Resistive)
- Max. load (0/1-10V): 50mA
- Stand-by power: <0.5W
- Operation frequency: 2.4 GHz – 2.483 GHz
- Transmission power: 4 dBm
- Range (Typical): 10 ~ 30m
- Protocol: 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
- Type of switch: Single load(single-pole disconnection)

- Insulation: Class II
- 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

Download the App

Free App for set-up and commissioning



Bluetooth 5.0 SIG mesh





iOS



Android



for iOS



for Android

Smartphone app for both iOS & Android platform





for iPad

Koolmesh Pro app for iPad





Web



for Web

Web app/platform: www.iot.koolmesh.com

Dimming Interface Operation Notes

Switch-Dim

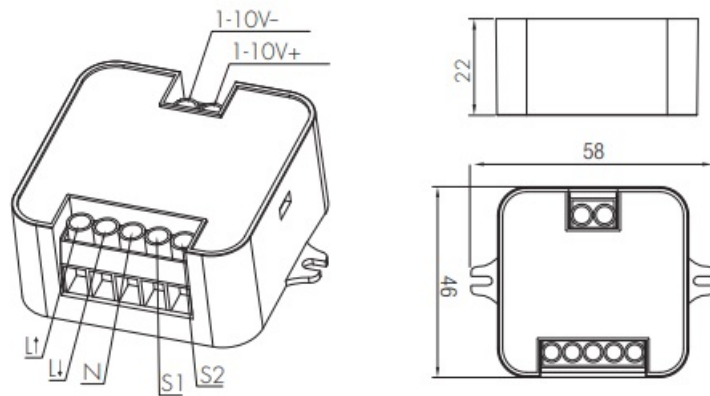
The provided Switch-Dim interface allows for a simple dimming method using commercially available non-latching (momentary) wall switches. Detailed Push switch configurations can be set on Koolmesh app.

Switch Function	Action	Descriptions
Push switch	Short press (<1 second) * Short press has to be longer than 0.1s, or it will be invalid.	<ul style="list-style-type: none"> – Turn on/off – Recall a scene – Turn on only – Exit manual mode – Turn off only – Do nothing
	Double push	<ul style="list-style-type: none"> – Turn on only – Exit manual mode – Turn off only – Do nothing – Recall a scene
	Long press (≥ 1 second)	<ul style="list-style-type: none"> – Dimming – Colour tuning – Do nothing
Simulate sensor	/	– Upgrade a normal on/off motion sensor to a Bluetooth controlled motion sensor

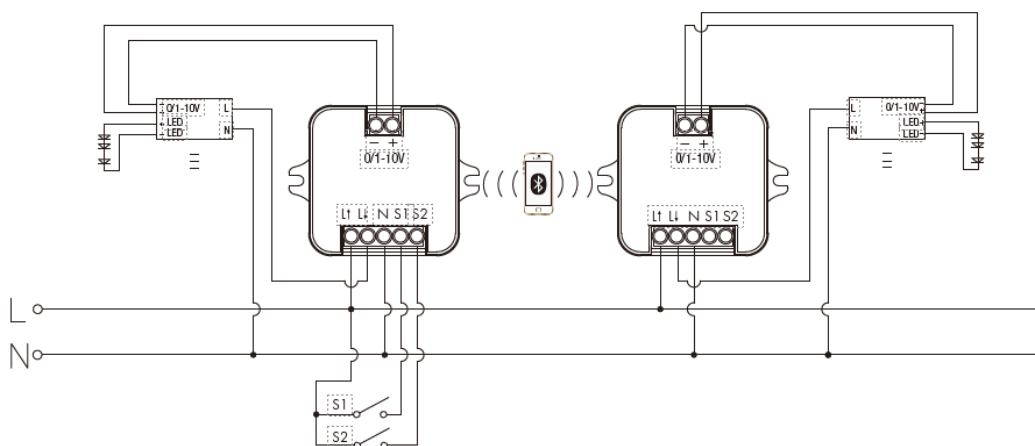
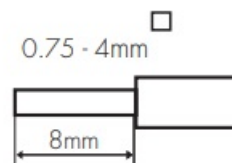
Installation

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



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](http://www.hytronik.com/products/bluetooth%20technology) ->Bluetooth Sensor ->Receiver Nodes
4. Regarding Hytronik standard guarantee policy, please refer to www.hytronik.com/download ->knowledge ->Hytronik Standard Guarantee Policy

Documents / Resources

	<p>HYTRONIK HBTD8200V/F Bluetooth Receiver Node [pdf] Instruction Manual Bluetooth Receiver Node, HBTD8200V-F, Bluetooth, Receiver, Node</p>
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References

- [Catalogue_Hytronik](#)
- [iot.koolmesh.com](#)