Manuals+ — User Manuals Simplified.

HYTRONIK HBTD8200T2 Wireless Dimmer – 2x100VA Trailing Edge Version Instruction Manual

Contents

HYTRONIK ®

HYTRONIK HBTD8200T2 Wireless Dimmer – 2x100VA Trailing Edge Version

Technical Specifications

- Product type: Wireless Trailing Edge Dimmer Module
- Mains voltage: 230VAC 50Hz
- Rated load: 2x100VA (Capacitive) / 2x150W (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: +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

- 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): EN300328, EN301489-1, EN301489-17, EN62479

Download the App

Free App for set-up and commissioning

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.
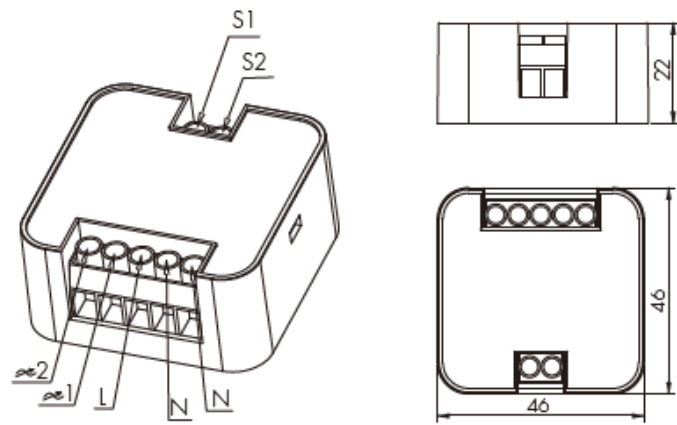
Switch Function	Action	Descriptions
	Short press (<1 second)

* 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 |
| Push switch | | |

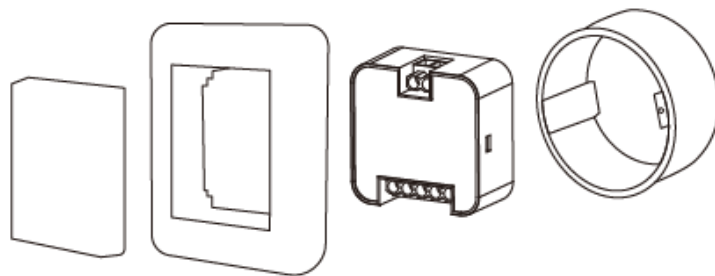|	Long press (≥1 second)	– Dimming – Colour tuning – Do nothing
Simulate sensor	/	– Upgrade a normal on/off motion sensor to a Bluetooth controlled motion sensor

Installation

Warnings:

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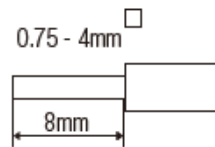3. Ensure environmental conditions are suitable for electronic equipment.
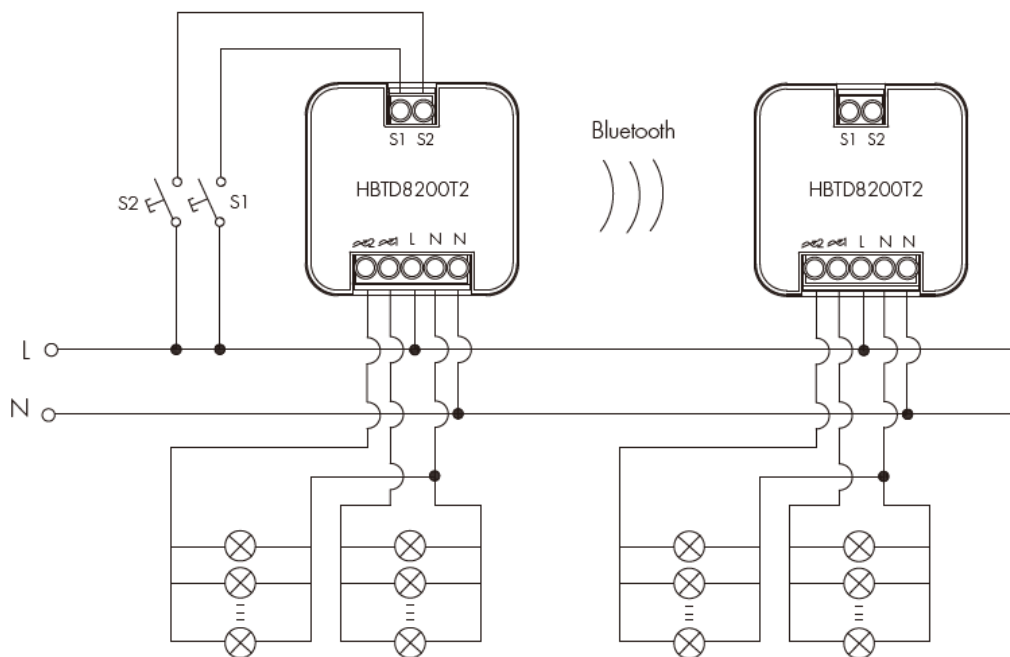
Typical Switch Box Mounting

Wire Preparation

Rising clamp terminal.

0.75 - 4mm □

8mm

Wiring Diagram

Bluetooth

S1 S2

HBTD8200T2

S2 ⊨ ⊨ S1

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HBTD8200T2

S1 S2

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

www.HYTRONIK.COM

Documents / Resources

HYTRONIK HBTD8200T2 Wireless Dimmer - 2x100VA Trailing Edge Version [pdf] Instruction Manual
HBTD8200T2, Wireless Dimmer, Wireless, Dimmer, Trailing Edge Version

References

- Ⓦ **Catalogue_Hytronik**
- ◪ **iot.koolmesh.com**