



HYTRONIK Bluetooth Switch – ON/OFF Control Instruction Manual

[Home](#) » [HYTRONIK](#) » HYTRONIK Bluetooth Switch – ON/OFF Control Instruction Manual 



HYTRONIK Bluetooth Switch – ON/OFF Control



Contents

- [1 Technical Specifications](#)
- [2 Download the App](#)
- [3 Dimming Interface Operation Notes](#)
 - [3.1 Switch-Dim](#)
- [4 Installation](#)
 - [4.1 Wire Preparation](#)
 - [4.2 Wiring Diagram](#)
- [5 Additional Information / Documents](#)
- [6 Documents / Resources](#)
- [7 Related Posts](#)

Technical Specifications

Product type	 Bluetooth ® Switch (Flush mount)
Mains voltage	220~240VAC 50Hz
Rated load	400VA(Capacitive); 800W(Resistive)
Stand-by power	<0.5W
Operation frequency	2.4 GHz – 2.483 GHz
Transmission power	4 dBm
Range (Typical)	10 ~ 30m
Protoco	 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
nsulation material	PTI material group IIIa
Glow wire	level 3, 850°C
Protection	Built-in protection provide
Type of switch	Single load(single-ploe disconnection)
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

Download the App

Free App for set-up and commissioning

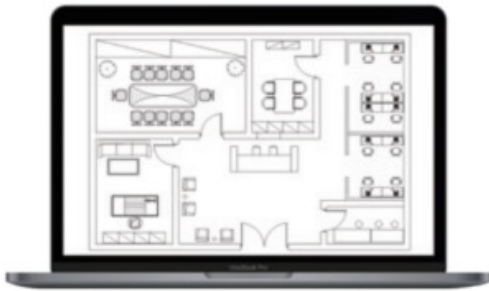


iOS 10.0 or later



Android 5.0 or later

Web app/platform: iot.koolmesh.com



Dimming Interface Operation Notes

Switch-Dim

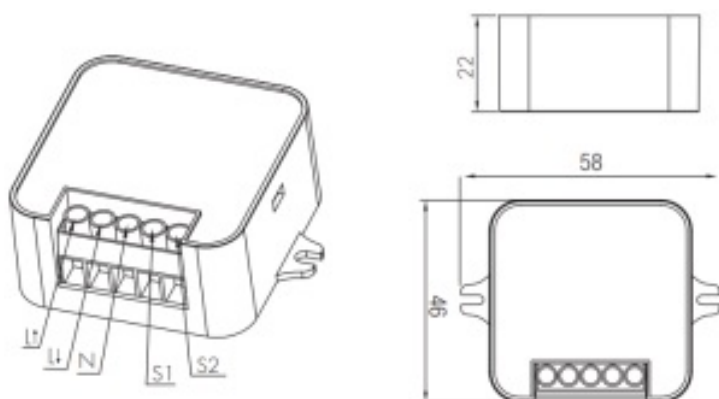
The provided Switch-Dim interface allows for a simple dimming method using commercially available non-latching (momentary) wall switches. Detailed Push switch configurations can be set on Koolmesh app.

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

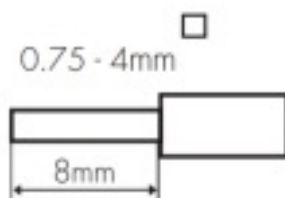
Installation

Warnings:

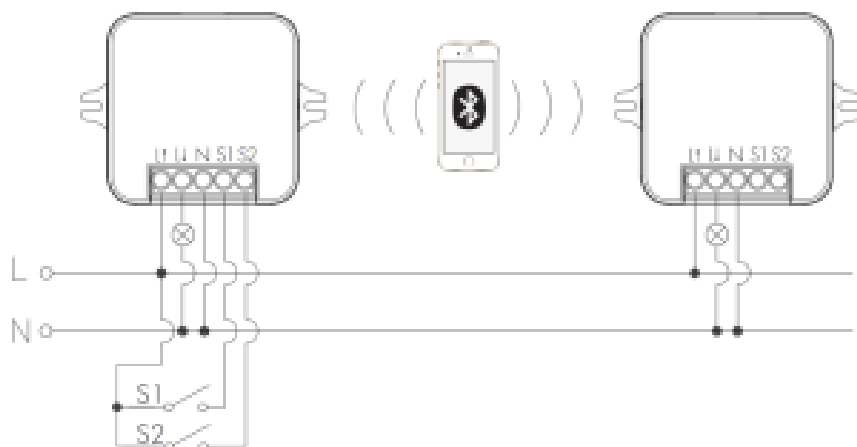
1. Installation must be carried out by a qualified engineer in accordance with local regulations.
2. Disconnect power supply before installing.
3. Ensure environmental conditions are suitable for electronic equipment



Wire Preparation



Wiring Diagram



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

HYTRONIK®

Documents / Resources

	<p>HYTRONIK Bluetooth Switch - ON/OFF Control [pdf] Instruction Manual HYTRONIK, Bluetooth Switch, ON, OFF, Control, HBTD8200S, HBTD8200F</p>
--	---