



HYTRONIK HBTD8200P Bluetooth Controller with 4 SELV Push Switch Input Instruction Manual

[Home](#) » [HYTRONIK](#) » HYTRONIK HBTD8200P Bluetooth Controller with 4 SELV Push Switch Input Instruction Manual 

Contents

- [1 HYTRONIK HBTD8200P Bluetooth Controller with 4 SELV Push Switch Input](#)
- [2 Technical Specifications](#)
- [3 Download the App](#)
- [4 Installation](#)
- [5 Wire Preparation](#)
- [6 Dimming Interface Operation Notes](#)
- [7 Additional Information / Documents](#)
- [8 Documents / Resources](#)
 - [8.1 References](#)
- [9 Related Posts](#)

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HYTRONIK HBTD8200P Bluetooth Controller with 4 SELV Push Switch Input



Bluetooth controller with 4 SELV Push Switch Input

Technical Specifications

Product type	Bluetooth® Switch (Flush mount)
Mains voltage	220~240VAC 50/60Hz
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 ~ +50°C
Case temperature (Max.)	Tc: +75°C
Storage temperature	-40°C ~ +70°C
Max. relative humidity	10 ~ 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)	EN 61347-1, EN 61347-2-11, EN62493
RED	EN300328 EN301489-1 EN301489-17 EN50663
ROHS	ROHS compliance

Download the App

Free App for set-up and commissioning

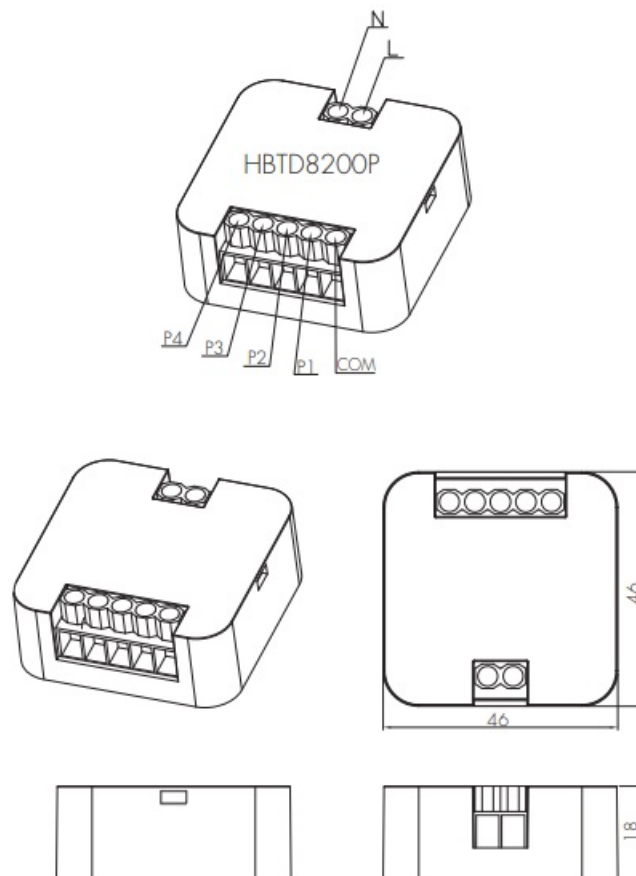


Web app/platform: www.iot.koolmesh.com

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



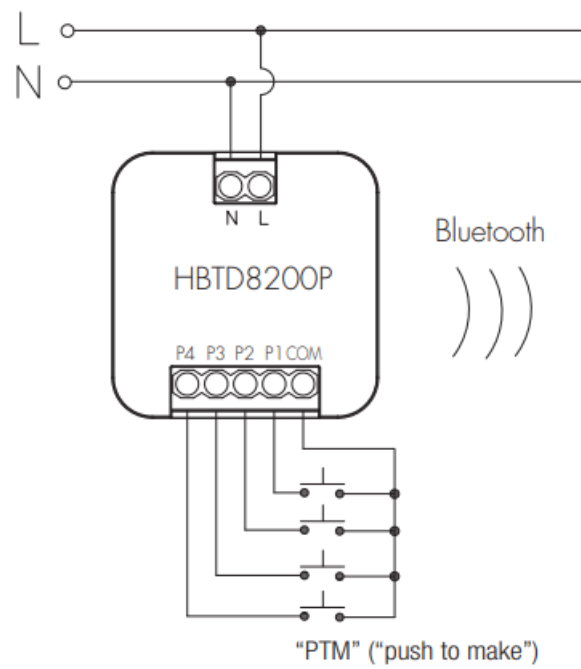
Wire Preparation



To make or release the wire from the terminal, use a screwdriver to push down the button.

1. 200 metres (total) max. for 1mm² CSA (Ta = 50°C)
2. 300 metres (total) max. for 1.5mm² CSA (Ta = 50°C)

Wiring Diagram



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 – Turn on only – Turn off only 	<ul style="list-style-type: none"> – Recall a scene – Quit manual mode – Do nothing
	Double push		<ul style="list-style-type: none"> – Turn on only – Turn off only – Recall a scene 	<ul style="list-style-type: none"> – Quit manual mode – Do nothing
	Long press (≥1 second)		<ul style="list-style-type: none"> – Dimming – Colour tuning – Do nothing 	
Sensor-link (VFC signal only)	/		<ul style="list-style-type: none"> – Upgrade a normal on/off motion sensor to a Bluetooth controlled motion sensor 	
Emergency Self-Test Function	Short press (<1 second) * Short press has to be longer than 0.1s, or it will be invalid.		<ul style="list-style-type: none"> – Start Self test (Monthly) – Stop Self test 	<ul style="list-style-type: none"> – Start Self test (Annually) – Invalid
	Long press (≥1 second)		<ul style="list-style-type: none"> – Start Self test (Monthly) – Stop Self test 	<ul style="list-style-type: none"> – Start Self test (Annually) – Invalid
Fire Alarm (VFC signal only)	Refer to	App User Manual V2.1	<ul style="list-style-type: none"> – Able to connect the Fire Alarm system – Once the fire alarm system is triggered, all the luminaries controlled by the Push Switch will enter the preset scene (normally it's full on), after the fire alarm system gives the ending signal, all the luminaries controlled by this Push Switch will revert back to normal status. 	

Additional Information / Documents


1. To learn more about detailed product features/functions, please refer to [www.hytronik.com/download ->knowledge](http://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](http://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

www.HYTRONIK.COM

Documents / Resources

	<p>HYTRONIK HBTD8200P Bluetooth Controller with 4 SELV Push Switch Input [pdf] Instruction Manual</p> <p>HBTD8200P, HBTD8200P Bluetooth Controller with 4 SELV Push Switch Input, Bluetooth Controller with 4 SELV Push Switch Input, Controller with 4 SELV Push Switch Input, 4 SELV Push Switch Input, Push Switch Input, Switch Input</p>
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References

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

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