Switch with \$Bluetooth 5.0 SIG Mesh

HBTD8200VFC/F

Bluetooth Voltage-free Contact Switch



Product Description

HBTD8200VFC/F is designed to fit into a junction box or electrical box to make Push switch (retractive switch) to achieve on/off control. HBTD8200VFC/F can choose from a variety of free voltage loads. It has NO and NC Relay suitable for various alarm systems or BMS signal access. Whether used for new build or retro-fit projects to add intelligent control to standard lighting fixtures, HBTD8200VFC/F does it all. Simple device setup and commissioning can be done via **Control** app.



App Features

- G Quick setup mode & advanced setup mode
- Web app/platform for project deployment & data analysis
- Koolmesh Pro app on iPad for on-site configuration
- Floorplan feature to simplify project planning
- G⊖One-key device replacement
- ★ Device social relations check
- Remote control via gateway support HBGW01
- Grouping luminaires via mesh network
- Scenes
- Push switch configuration
- Schedule
- Astro timer (sunrise and sunset)
- Power-on status (memory against power loss)
- Toffline commissioning
- Bulk commissioning (copy and paste settings)
- P Different permission levels via authority management
- Network sharing via QR code or keycode
- (a) Interoperability with Hytronik Bluetooth product portfolio
- Compatible with EnOcean BLE switches
- Internet-of-Things (IoT) featured
- Device firmware update over-the-air (OTA)
- Continuous development in progress...











Fully support EnOcean self-powered switch module PTM215B (HBES01/W & HBES01/B)

Hardware Features

VFC/F: Volt-free Contact/Dry Contact ON/OFF relay switch:

- 24VDC@2A,48VDC@0.5A
- 250VAC@4A
- Freely select NO or NC contact
- Compact design with two screw holes to be built inside luminaires
- 1 Push input for flexible manual control
- Zero crossing detection circuit to reduce in-rush current and prolong relay lifetime
- Short-circuit protection
- TOVerload protection
- (5) 5-year warranty



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Technical Specifications

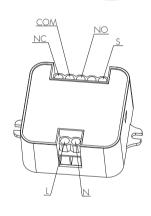
Bluetooth Transceiver	
Operation frequency	2.4 GHz - 2.483 GHz
Transmission power	4 dBm
Range (Typical indoor)	10~30m
Protocol	Bluetooth® 5.0 SIG Mesh

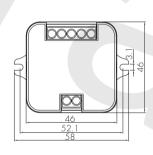
Input & Output Characteristics		
Operating voltage	220~240VAC 50/60Hz	
Stand-by power	<0.5W	
Load ratings	24VDC@2A,48VDC@0.5A	
	250VAC@4A	

Environment	
Operation temperature	Ta: -20°C ~ +45°C
Case temperature (Max.)	Tc: +75°C
Storage temperature	-40°C ~ 70°C
Relative humidity	10 ~ 90%
IP rating	IP20
Insulation	Class II

EN55015, EN61547, EN62479, EN61000
IEC/EN 61058, AS/NZS 61058
EN300328, EN301489-1/-17, EN62479
Semko, CB, CE , EMC, RED, RCM,UKCA

Mechanical Structure & Dimensions

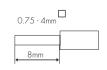






Wire Preparation



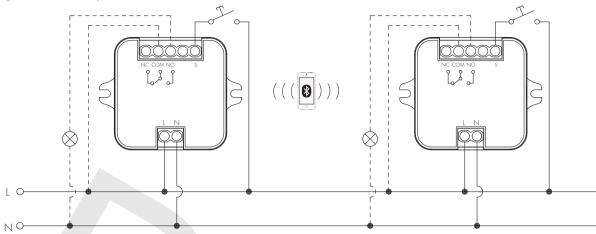


To make or release the wire from the terminal, use a screwdriver to push down the button.

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Wiring Diagram

Original status (stand-by)



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 O.1s, or it will be invalid.	- Turn on/off - Recall a scene - Turn on only - Quit manual mode - Turn off only - Do nothing
Push switch	Double push	- Turn on only - Quit manual mode - Turn off only - Do nothing - Recall a scene
	Long press (≥1 second)	- Dimming - Colour tuning - Do nothing
Sensor-link	/	- 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.	- Start Self test (Monthly) - Start Self test (Annually) - Stop Self test - Invalid
	Long press (≥1 second)	- Start Self test (Monthly) - Start Self test (Annually) - Stop Self test - Invalid
Fire Alarm (VFC signal only)	- Able to connect the Fire Alarm system - Once the fire alarm system is triggered, al luminaries controlled by the Push Switch will enter preset scene (normally it's full on), after the fire a system gives the ending signal, all the lumin controlled by this Push Switch will revert back normal status.	

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 Dimmers
- 4. Regarding Hytronik standard guarantee policy, please refer to www.hytronik.com/download ->knowledge ->Hytronik Standard Guarantee Policy