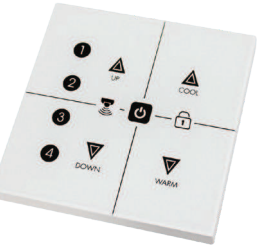
Touch Panel with Bluetooth® 5.0 SIG Mesh

HBP02

HYTRONIK ®

Product Description

A wall-mounted touch panel designed to operate with Hytronik range of Bluetooth products. 6 programmable scene are provided, as well as brightness and tunable white control. In addition,we have added "sensor take over" button and "clean mode" button for better use experience. The HBP02 is programmable using **Koolmesh**™ app.



App Features

- Grouping luminaires via mesh network
  - Two levels: room & group
  - Sychronization control
- 7 types of scene options to set up*
  - Generic Scenes
  - Lux ON/OFF Scenes
  - Daylight Harvest (Open loop)
  - Daylight Harvest (Closed loop)
  - Circadian Rhythm (With daylight sensor)
  - Circadian Rhythm (Without daylight sensor)
  - Time-based Scene
- Schedule to run scenes based on time and date
- Astro timer (sunrise and sunset)
- Floorplan feature to simplify project planning
- Offline commissioning
- Different permission levels via authority management
- Network sharing via QR code or keycode
- Remote control via gateway support HBGW01
- Interoperability with Hytronik Bluetooth product portfolio
- Device firmware update over-the-air (OTA)
- Continuous development in progress…

* Certain scenes which require external photocell can be achieved by using together with Hytronik Bluetooth sensors,such as HBIR29, HCD038/BT + sensor head etc.

Hardware Features

- Mains powered
- Designed for electrical box/junction box
- Keep real time for up to 7-8 weeks against power failure
- Manual adjustment: on/off, dim and color tuning
- Manual/Auto display screen brightness adjustment
- Touch screen with vibration/beeper/LED indication
- Clean mode/Screen lock time
- 5-year warranty

Technical Specifications

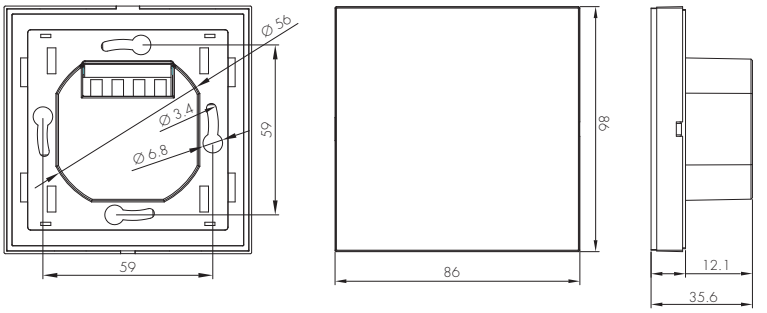
Bluetooth Transceiver	
Operation frequency	2.4 GHz - 2.483 GHz
Transmission power	4 dBm
Range (Typical indoor)	10~30m
Protocol	Bluetooth® 5.0 SIG Mesh

Environment	
Operation temperature	Ta: -20°C ~ +50°C
Relative humidity	20% ~ 90%
IP rating	IP20

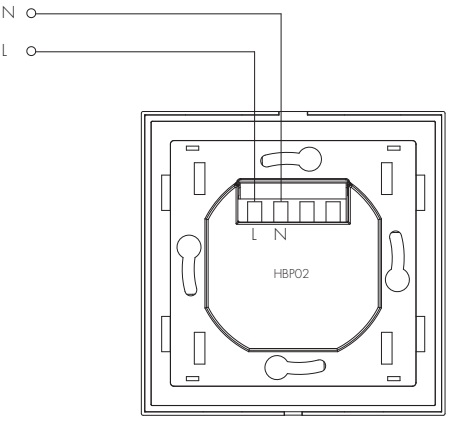
Input Characteristics	
Operating voltage	220~240VAC 50/60Hz
Stand-by power	<1.5W

Safety & EMC	
EMC standard (EMC)	EN55015, EN61000, EN61547
Safety standard (LVD)	EN60669-1/-2-1 AS/NZS60669-1/-2-1
RED	EN300328, EN301489-1/-17
Certification	CB, CE , EMC, RED, RCM

Mechanical Structure & Dimensions

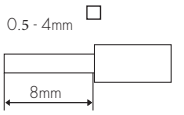


Wiring Diagram



Wire Preparation

Rising clamp terminal.



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

Operation

UP Brightness Control

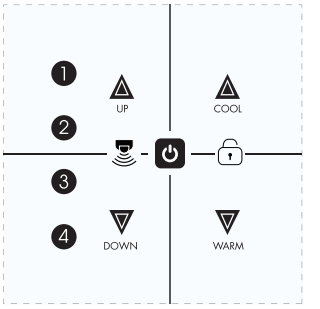
DOWN

COOL Tunable White Control

WARM

① ② ③ ④ Scene Recall

Scenes are simply programmed using the App.
Create and name the scenes using the scenes menu, and then assign the scenes to buttons ① ② ③ ④ from the device settings menu.



Bluetooth®

Senser take over

Press this button to quit manual override mode(Sensors will take over the control).

Clean Mode

Long press this button for more than 5s to go to clean mode (during this clean mode, the touch panel screen will be locked and does not respond to any touch), it will quit automatically after 1min.

The ON/OFF button has a configurable response via the App.

Permanent OFF (Occupancy sensor disabled).

Turning off via the ON/OFF button will suspend the entire system, including occupancy sensor. Pressing this button again will resume the last automatic profile selected, or pressing any other button on the control panel will wake up the system.

Touch Indications

Three methods for successful touch indications:
Vibration / Beeper / LED indicator
User can select any one, two or all of them to indicate successful touch on HBP02 in the App.

Real-time Sustainability

The touch panel HBP02 can keep the time runing for up to 7-8 weeks against power failure.

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 Accessories

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

HYTRONIK ELECTRONICS CO.,LTD
3rd Floor, block C, complex building, 155#, Bai'gang road south, Bai'gang village
Xiao Jin Kou town, Huicheng district
516023 Huizhou
China

SENSORS & LIGHTING CONTROL

HYTRONIK®

HYTRONIK INDUSTRIAL LIMITED
Room D, 10/f, Tower A, Billion Center, 1 wang Kwong Road, Kowloon Bay, Kowloon, Hongkong
T: 00852-35197525 F: 00852-30116936
E: info@hytronik.com

CHINA FACTORY
3rd Floor, block C, complex building, 155#, Bai'gang road south, Bai'gang village, Xiao Jin Kou town, Huicheng district, Huizhou 516023
T: 86-752-2772020 F: 86-752-2777877
E: info@hytronik.com W: www.hytronik.com

Declaration of Conformity

We, Hytronik Electronics Co., Ltd

3rd Floor, block C, complex building, 155#, Bai'gang road south,

Bai'gang village, Xiao Jin Kou town, Huicheng district, Huizhou, Guangdong， China.

Declare at our sole responsibility, that the devices as following are designed and manufactured is in conformity with the provisions of the following EU Directive(s) and that the standards and /or technical specifications referenced.

Brand:	Hytronik
Product models:	HBP02
Type:	Bluetooth touch panel
Relevant EU directives:	2014/53/EU; 2011/65/EU(with amendments EU 2015/863);
Standards complied	**EN 60669-1:2018** **EN 60669-2-1:2004/A10:2010** **EN IEC 61000-3-2:2019** **EN 61000-3-3:2013/A1:2019** **EN IEC 55015:2019** **EN 61547:2009** **EN 300 328 V 2.2.2** **EN 301 489-1 V2.2.3** **EN 301 489-17 V3.2.4** **EN 62479:2010**

We declare as the manufacturer that the mentioned above complies with all essenti al requirements in the way specified and conforms with the type for which is above mentioned, and be affixed the CE-mark on the product or to the packaging and any accompanying documentation.

Aug.12th,2021

(place and date of issue)

HYTRONIK INDUSTRIAL LIMITED

Simon Xia

(Test Dep. Manager)(Simon Xia)