

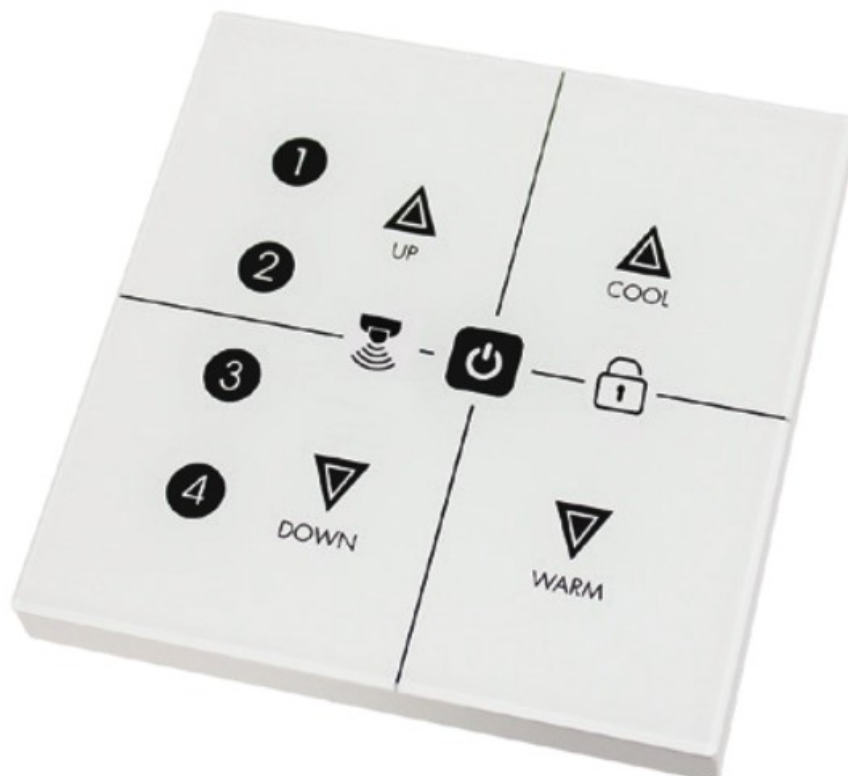
HYTRONIK HBP02 Touch Panel with 5.0 SIG Mesh Owner's Manual

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HYTRONIK®

 CB  CE RED 

Touch Panel with  Bluetooth® 5.0 SIG Mesh
HBP02













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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

	Floorplan feature to simplify project planning
	Grouping luminaires via mesh network
	Scenes
	Compatible with EnOcean BLE switches
	Schedule to run scenes based on time and date
	Astro timer (sunrise and sunset)
	Device firmware update over-the-air (OTA)
	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
	Continuous development in progress...

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

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



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

 **Bluetooth® 5.0 SIG mesh**



for iOS

<https://apps.apple.com/cn/app/koolmesh/id1483721878>



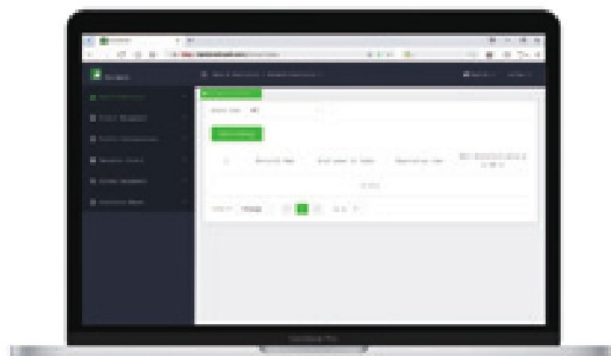
for Android

<https://play.google.com/store/apps/details?id=com.koolmesh.sig>

Smartphone app for both iOS & Android platform



<https://apps.apple.com/cn/app/koolmesh/id1570378349>



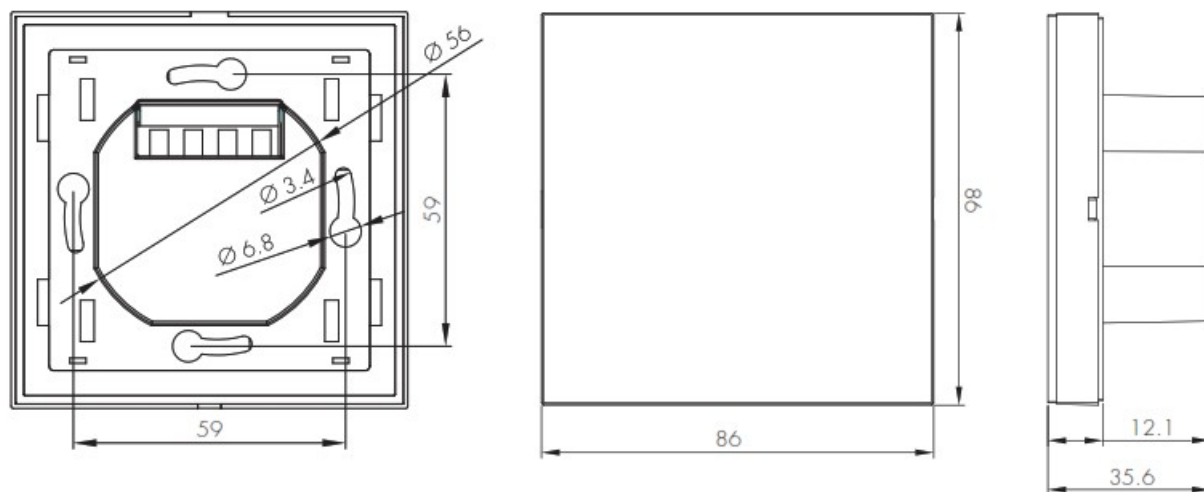


Web app/platform: www.iot.koolmesh.com

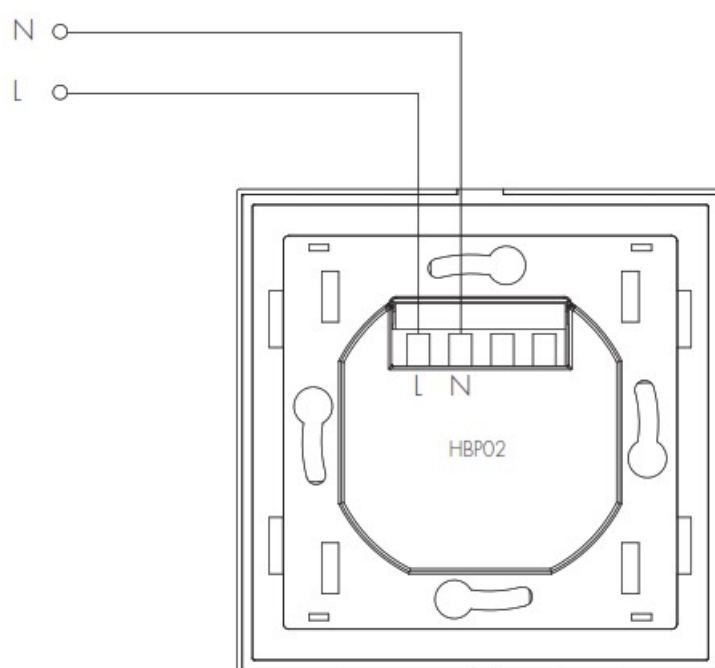
Technical Specifications

Bluetooth Transceiver	
Operation frequency	2.4 GHz – 2.483 GHz
Transmission power	4 dBm
Range (Typical indoor)	10~30m
Protocol	5.0 SIG Mesh
Environment	
Operation temperature	Ta: -20°C ~ +50°C
Relative humidity	20% ~ 90%
IP rating	IP20
Input Characteristics	
Operating voltage	<1.5W
Stand-by power	220~240VAC 50/60Hz
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
Certication	CB, CE , EMC, RED, RCM

Mechanical Structure & Dimensions



Wiring Diagram



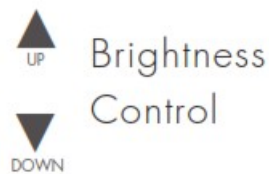
Wire Preparation



Rising clamp terminal.

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

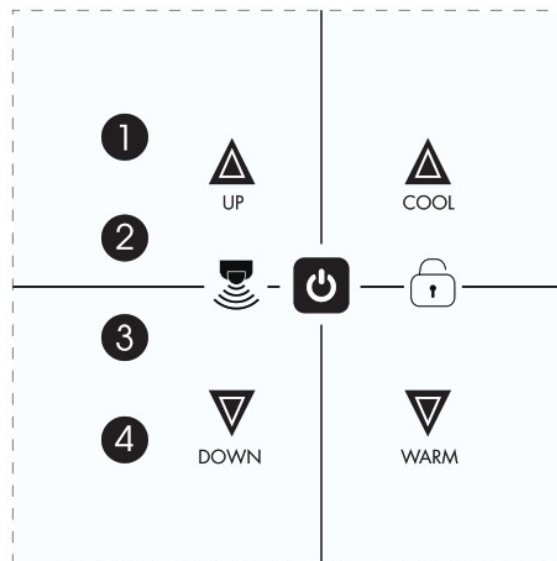
Operation



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.



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

Subject to change without notice.

Edition: 21 Jun. 2021 Ver. A1

Documents / Resources

	<p>HYTRONIK HBP02 Touch Panel with 5.0 SIG Mesh [pdf] Owner's Manual HBP02, 50-HBP02, HBP02 Touch Panel with 5.0 SIG Mesh, Touch Panel with 5.0 SIG Mesh, 5.0 SIG Mesh, SIG Mesh</p>
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References

-  iot.koolmesh.com