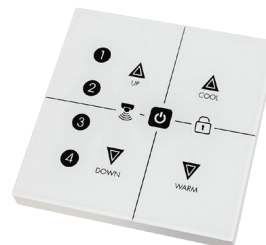














## Product Description









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 HBPO2 is programmable using **Koolmesh™** app.



## App Features

-  Floorplan feature to simplify project planning
-  Grouping luminaires via mesh network
-  Scenes
-  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.

 **Bluetooth 5.0 SIG mesh**



iOS  
Android



for iOS



for Android

Smartphone app for both iOS & Android platform

---





for iPad

Koolmesh Pro app for iPad

---



Web



for Web

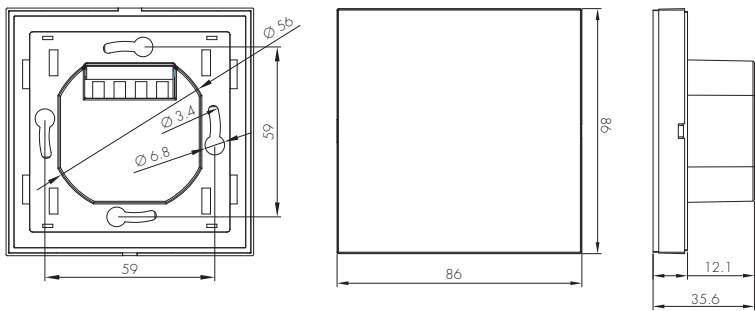
Web app/platform: [www.iot.koolmesh.com](http://www.iot.koolmesh.com)

Technical Specifications

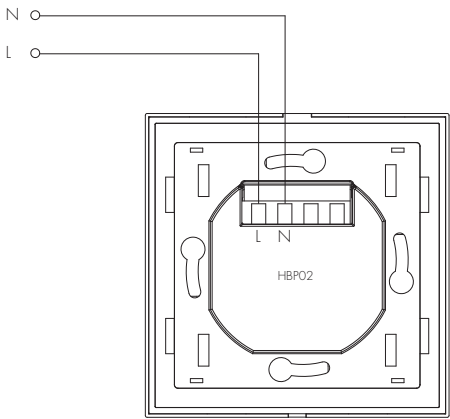
| Bluetooth Transceiver  |                         |
|------------------------|-------------------------|
| Operation frequency    | 2.4 GHz - 2.483 GHz     |
| Transmission power     | 4 dBm                   |
| Range (Typical indoor) | 10~30m                  |
| Protocol               | Bluetooth® 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<br>AS/NZS60669-1/-2-1 |
| RED                   | EN300328, EN301489-1/-17             |
| Certification         | CB, CE , EMC, RED, RCM               |

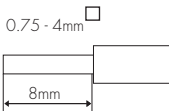
Mechanical Structure & Dimensions



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

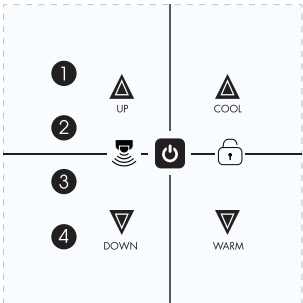
  
COOL

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.





### Sensor 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 1 min.



### 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 HBPO2 in the App.

### Real-time Sustainability

The touch panel HBPO2 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](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 technology) -> Bluetooth Accessories
4. Regarding Hytronik standard guarantee policy, please refer to  
[www.hytronik.com/download/knowledge](http://www.hytronik.com/download/knowledge) -> Hytronik Standard Guarantee Policy