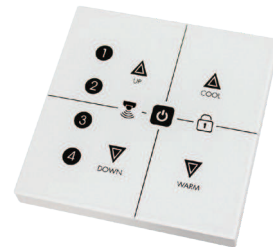


Produktbeschreibung

Das Touchpanel HBP02 (Wandmontage) wurde für den Betrieb mit den Bluetooth-Produkten von Hytronik entwickelt. Es stehen 6 programmierbare Szenen sowie Farbtemperatursteuerungen zur Verfügung. Außerdem wurde eine Taste für die Sensorübernahme und eine Taste für den Reinigungsmodus hinzugefügt, um eine bessere Nutzung zu ermöglichen. Der HBP02 ist über die **Koolmesh™** App programmierbar.



App Eigenschaften

Gruppierung von Leuchten über Mesh-Netzwerk

- Zwei Arten: Raum & Gruppe
- Synchronisationssteuerung

7 Arten zum einrichten von Szenenoptionen*

- Allgemeine Szenen
- Lux ON/OFF Szene
- Tageslichterkennung (offener Kreislauf)
- Tageslichterkennung (geschlossener Kreislauf)
- Zirkadianer Rhythmus (mit Tageslichtsensor)
- Zirkadianer Rhythmus (ohne Tageslichtsensor)
- Zeitbasierte Szene

Zeitplan zur Ausführung von Szenen

Astro timer

Grundrissfunktion zur Vereinfachung der Projektplanung

Offline-Inbetriebnahme / ohne Internet

Unterschiedliche Berechtigungs Ebenen

Nutzung des Netzwerks über QR-Code oder Keycode

Fernsteuerung über Gateway-Unterstützung HBGW01 ab

2021 Kompatibilität Hytronik Bluetooth-Produktportfolio

Geräte-Firmware-Update over-the-air (OTA)

Kontinuierliche Weiterentwicklung...

* Bestimmte Szenen, die eine externe Fotozelle erfordern, können durch die Verwendung zusammen mit Hytronik Bluetooth- Sensore HBIR29, HCD038/BT + Sensorkopf usw. erreicht werden.

Hardware-Eigenschaften

Stromversorgung

geeignet für Abzweigdosens

Speichert die Echtzeit 7-8 Wochen bei Stromausfall

Manuell einstellbar: Ein/Aus, Dimmen und Farbanpassung

Bildschirmhelligkeit manuell/automatisch einstellbar

Touch screene mit Vibration, Ton und LED Anzeige

Clean mode/Bildschirm Sperre

5 Jahre Garantie

 **Bluetooth 5.0 SIG mesh**



ab iOS 10.0




ab Android 5.0





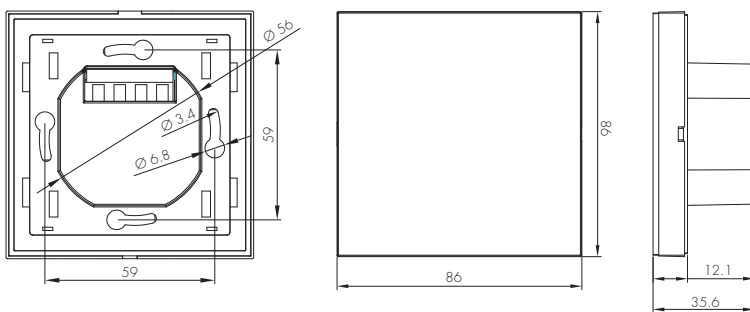
Web app/platform:
iot.koolmesh.com

Technische Daten

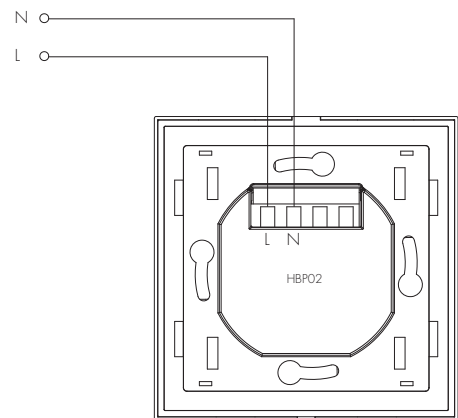
| Bluetooth-Empfänger | |
|---------------------------|---|
| Netzspannung | 2.4 GHz - 2.483 GHz |
| Übertragungsleistung | 4 dBm |
| Reichweite (Innenbereich) | 10~30m |
| Version |  Bluetooth® 5.0 SIG Mesh |
| Umgebung | |
| Umgebungstemperatur | T _a : -20°C ~ +50°C |
| Relative Luftfeuchtigkeit | 20% ~ 90% |
| IP Schutzart | IP20 |

| Input-Merkmale | |
|---------------------------|--------------------------------------|
| Betriebsspannung: | 220~240VAC 50/60Hz |
| Stand-by | <1.5W |
| Sicherheit und EMC Normen | |
| EMC Normen (EMC) | EN55015, EN61000, EN61547 |
| Sicherheitsnormen (LVD) | EN60669-1/-2-1 AS/NZS60669-1/-2-1 |
| RED | EN300328, EN301489-1/-17 |
| Zertifizierung | CB, CE, EMC, RED, RCM |

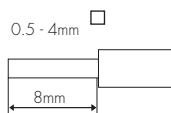
Mechanische Struktur und Abmessungen



Schaltplan



Kabelvorbereitung



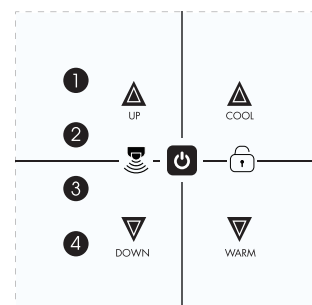
Um den Draht an der Klemme zu befestigen oder zu lösen, drehen Sie die Schraube mit einem Schraubendreher nach unten oder nach oben.

Bedienung



① ② ③ ④ Szenen aufrufen

Szenen werden über die App programmiert. Erstellen und benennen Sie die Szenen mit Hilfe des Szenen-Menüs, und weisen Sie dann die Szenen auf die ① ② ③ ④ Schaltflächen aus dem Geräteeinstellungsmenü.





automatischer Sensormodus

Drücken Sie diese Taste, um den manuellen Übersteuerungsmodus zu verlassen (die Sensoren übernehmen die Steuerung).



Clean Mode

Drücken Sie diese Taste länger als 5 Sekunden, um in den Reinigungsmodus zu wechseln (während des Reinigungsmodus ist der Touchscreen gesperrt und reagiert nicht auf Berührungen). Der Modus wird nach 1 Minute automatisch beendet.



Manuell Aus (Bewegungssensoren werden deaktiviert)

Durch das ausschalten der EIN/AUS Taste wird gesamte System, einschließlich der Bewegungssensoren deaktiviert. Durch erneutes drücken oder einer beliebigen Schaltfläche wird die zuletzt gewählte automatische Steuerung aktiviert.

Touch-Hinweis:

Es bestehen 3 Möglichkeiten:

Vibration / Ton / LED Anzeige

Benutzer können Ihre Kombination frei wählen ob einzelne oder mehrere Varianten zusammen aktiviert werden.

Echtzeit-Speicherung

Der Touch-Panel HBP02 Speichert die Echtzeit 7-8 Wochen bei Stromausfall.

Zusätzliche Informationen / Dokumente

1. Produktmerkmale und Funktionen

www.hytronik.com/download->knowledge ->Introduction of App Scenes and Product Functions

2. Vorsichtsmaßnahmen für die Installation und den Betrieb von Bluetooth-Produkten

www.hytronik.com/download/knowledge ->Bluetooth Products - Precautions for Product Installation and Operation

3. Das Datenblatt kann ohne Vorankündigung geändert werden. Bitte beziehen Sie sich immer auf die aktuellste Version

www.hytronik.com/products/bluetooth technology ->Bluetooth Accessories

4. Hytronik-Standardgarantie

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

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

-  Grouping luminaires via mesh network
 - Two levels: room & group
 - Synchronization 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

 **Bluetooth 5.0 SIG mesh**





iOS 10.0 or later






Android 5.0 or later





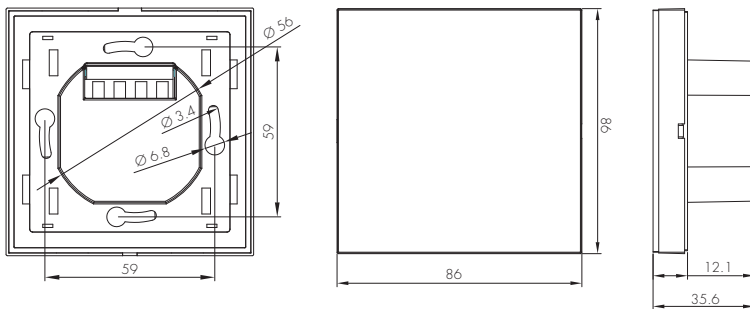
Web app/platform:
iot.koolmesh.com

Technical Specifications

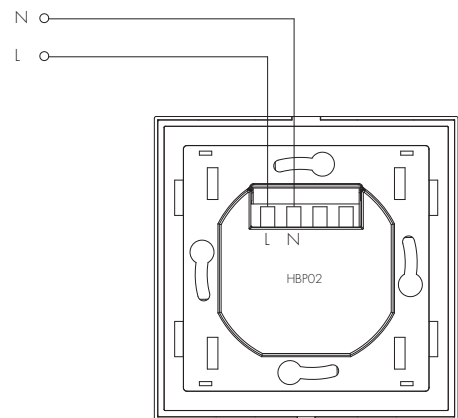
| Bluetooth Transceiver | |
|------------------------|---|
| Operation frequency | 2.4 GHz - 2.483 GHz |
| Transmission power | 4 dBm |
| Range (Typical indoor) | 10~30m |
| Protocol |  Bluetooth® 5.0 SIG Mesh |
| Environment | |
| Operation temperature | Ta: -20°C ~ +50°C |
| Relative humidity | 20% ~ 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 AS/NZS60669-1/-2-1 |
| RED | EN300328, EN301489-1/-17 |
| Certification | CB, CE, EMC, RED, RCM |

Mechanical Structure & Dimensions



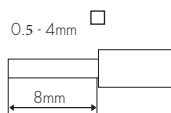
Wiring Diagram



Wire Preparation

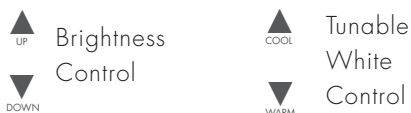


Rising clamp terminal.



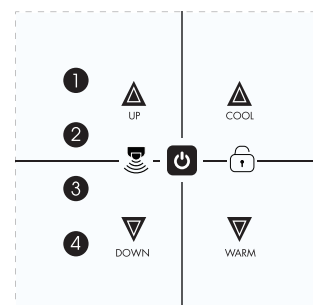
To make or release the wire from the terminal, use a screwdriver to push down the button.

Operation



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 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 ->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
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China

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 essential 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)



Simon Xia

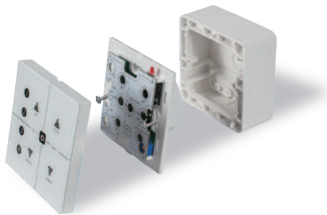
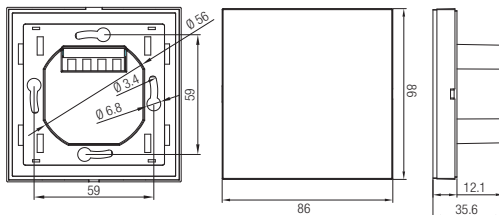
(Test Dep. Manager)(Simon Xia)

1. Technical Specifications

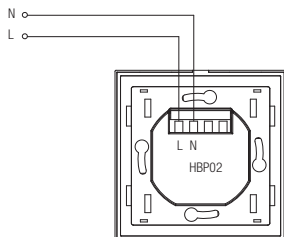
| | |
|------------------------|--------------------------------------|
| Operation frequency | 2.4 GHz - 2.483 GHz |
| Transmission power | 4 dBm |
| Range (Typical indoor) | 10 – 30m |
| Protocol | Bluetooth® 5.0 SIG Mesh |
| Operating voltage | 220–240VAC 50/60Hz |
| Stand-by power | <1.5W |
| Operation temperature | Ta: -20°C – +50°C |
| Relative humidity | 20% – 90% |
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| RED | EN300328, EN301489-1/-17 |
| Certification | CB, CE, EMC, RED, RCM |

2. Installation

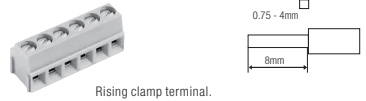
Mechanical Structure & Dimensions



Wiring Diagram



Wire Preparation



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

3. Download the App

Free App for set-up and commissioning



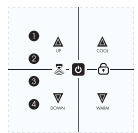
4. Operation



▲ Brightness
▼ Control



▲ Tunable White
▼ Control



① ② ③ ④ Scene Recall

Bluetooth®

Scenes are simply programmed using the App.

Create and name the scenes using the scenes menu, and then assign the scenes to buttons ○ ○ ○ ○ 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 1min.



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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.

HYTRONIK®

5. Additional Information / Documents

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