Product Description

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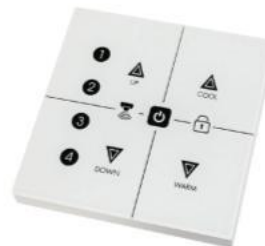
App Features

- 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 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 Bluetooth

sensors,such as HBIR29, HCD038/BT + sensor head etc.

EnOcean
Self-powered IoT

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

LENA LIGHTING | Clue

Smartphone app for both
**iOS & Android** platform

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

Technical Specifcations

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
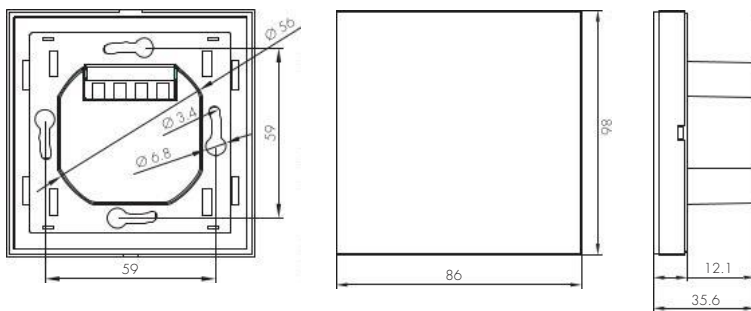
Wiring Diagram
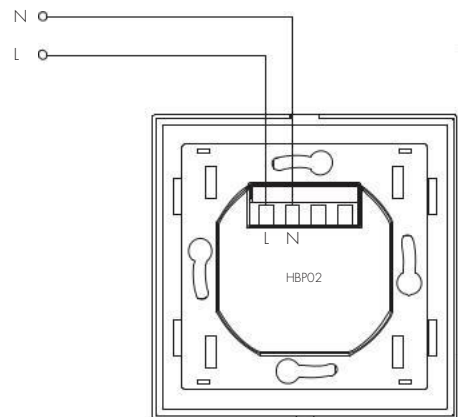
Wire Preparation

Rising clamp terminal.

0.75 - 4mm

8mm
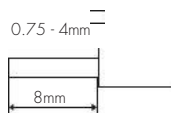
To make or release the wire from the terminal, use a screwdriver to push down the button.

Operation

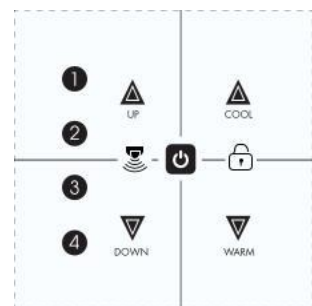▲ UP Brightness Control
▼ DOWN

▲ COOL Tunable White Control
▼ WARM

①②③④ 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 ①②③④ 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, can act as a Time Keeper for the whole system.

For more information, contact iot@lenalighting.pl