

Touch Screen with  Bluetooth®

HPAD-TSJASE1

10 - Inch & Gateway Capabilities

HPAD-TS/APP

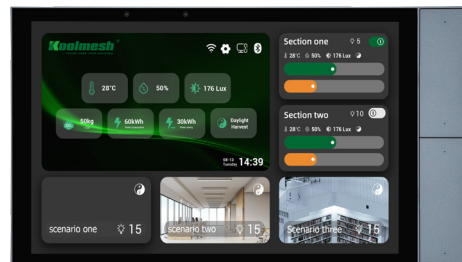
10 - Inch & Without Gateway

HYTRONIK®



Product Description

The HPAD series furnishes responsive capacitive touch functionality and is engineered to operate in conjunction with the Hytronik range of Bluetooth products. Available in UK and EU versions, the series includes the HPAD-TSJASE1 with gateway and the HPAD-TS/APP without gateway to meet different application needs. Weighing just 1 kg and installable using the existing switch box, it requires no wall modification and is powered directly, ensuring uninterrupted operation. Beyond simple brightness and tunable white control, it allows users to manage more complex scenes and grouping luminaires through the Koolmesh app, and displays key environmental metrics such as temperature, humidity, and lux levels, providing comprehensive control and monitoring in one device. It is suitable for industrial, as well as office and school applications. The HPAD is programmable using **Koolmesh**® app.



Key Features

-  Enable extensive control over multiple devices
-  Provide multiple interaction modes
-  Display temperature, humidity, lux value, energy use
-  Easy operation & quick to master

Hardware Features

-  Mains powered
-  4 custom pushes
-  Designed for electrical box/junction box
-  Gateway capabilities combined (HPAD-TSJASE1)
-  Full suite of connectors
-  Manual adjustment: on/off, dim/color tuning, scenes recall
-  5-year warranty

Technical Specifications

Bluetooth Transceiver

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

Input Characteristics

Operating voltage	100-240VAC, 50/60Hz
Display	10.1-inch IPS, resolution 1200x1920
Touchscreen	G+FF anti-fingerprint glass
Wi-Fi	2.4G/5G Dual-Band (802.11b/g/n)
RAM	2GB
Storage	16GB
Enclosure Material	PC

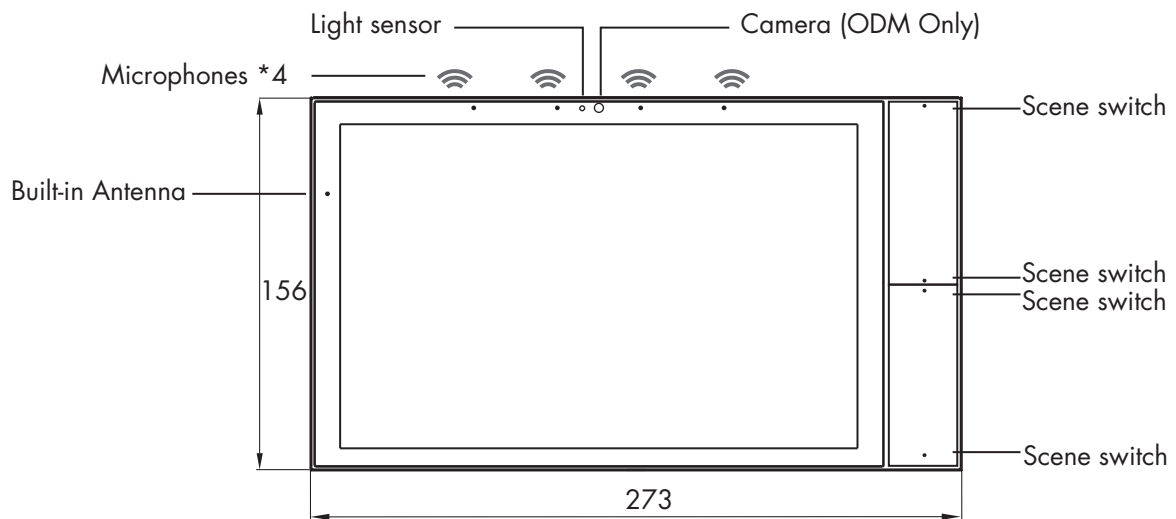
Environment

Operation temperature	Ta: 0°C ~ +40°C
Relative humidity	5% ~ 90%
IP rating	IP20

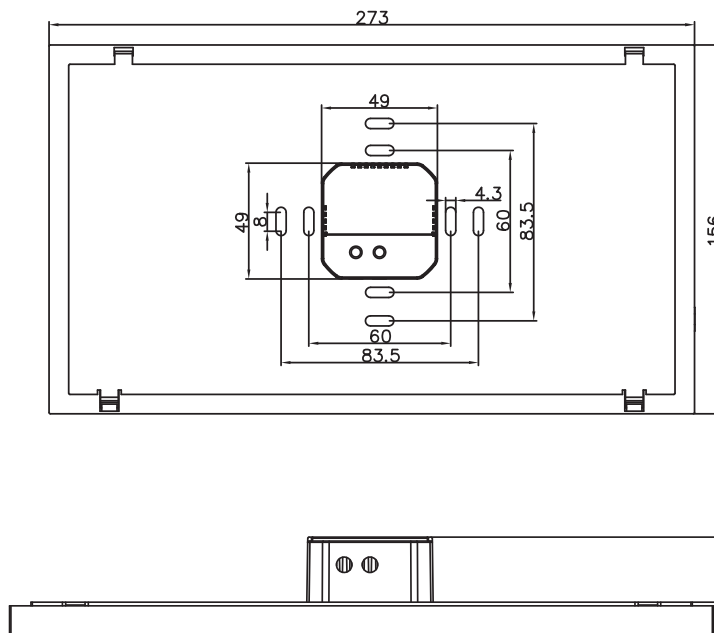
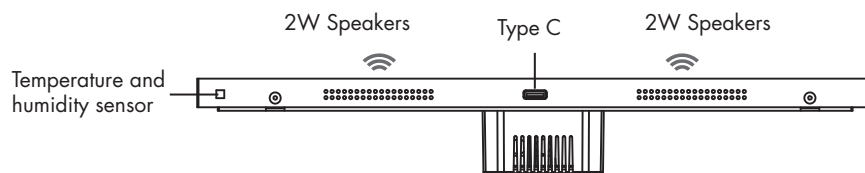
Safety & EMC

EMC standard (EMC)	EN 55032:2015/A1:2020 EN 55035:2017/A11:2020
Safety standard (LVD)	EN 62368:2020
RED	EN 300 328 V 2.2.2 EN 301 489-1 V2.2.3 EN 301 489-17 V3.3.1 EN 18031-1:2024 EN 50663:2017
Certification	CE, RCM, UKCA

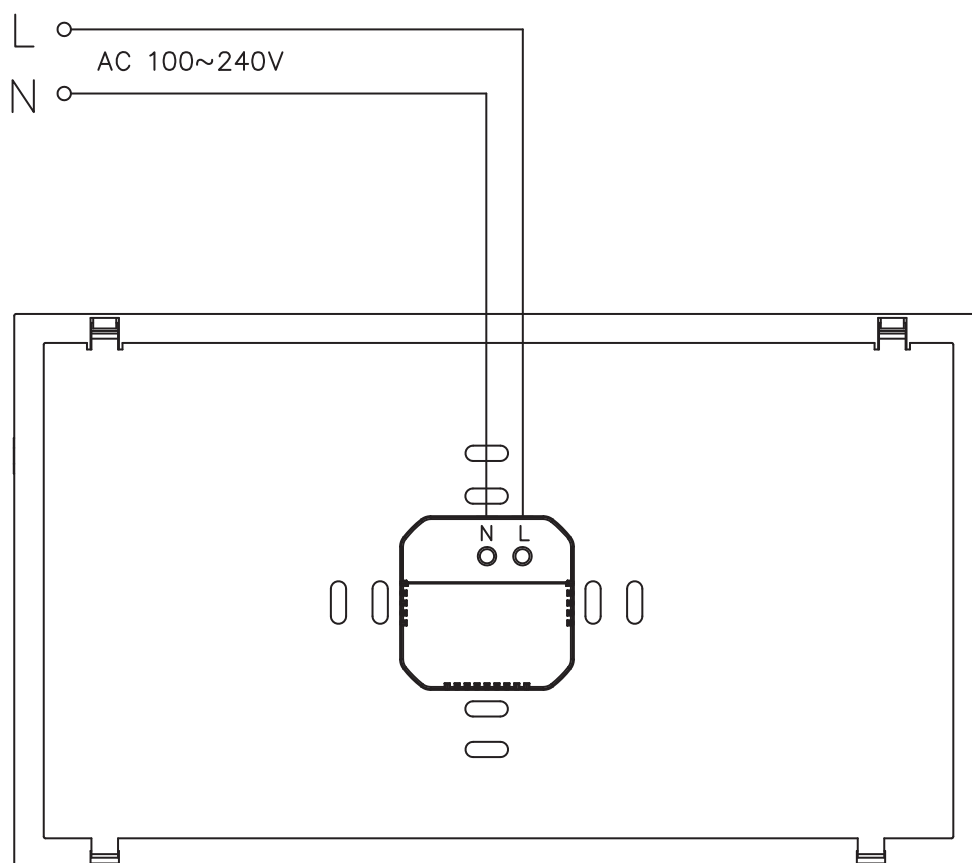
Mechanical Structure & Dimensions (mm)



*Notice: The Bluetooth signal of this device is emitted from the left side of the device.



Wiring Diagram

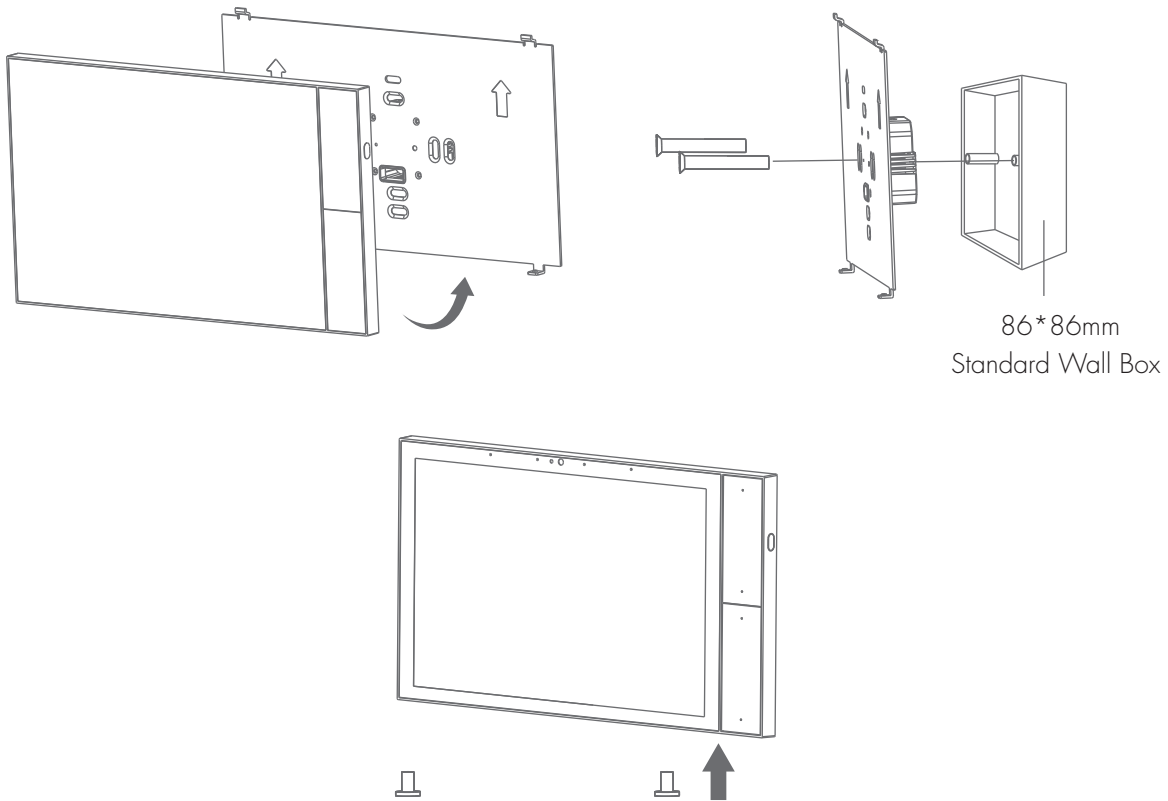


Base & Bottom Cover



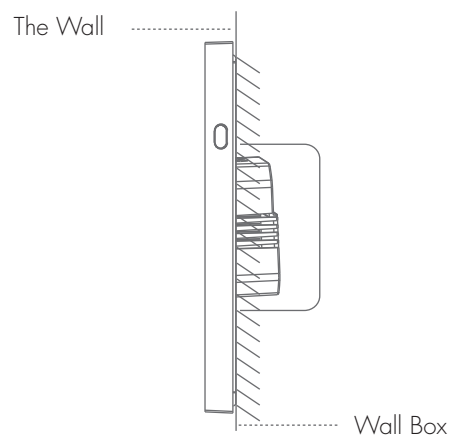
Installation Instructions

1. Separate the base from panel.
2. Check the wires and make sure the wires are in good contact with the terminals and no exposed copper wires.
3. Fasten the base to the wall electrical box with mounting screws (M4 x 25 or M4 x 45) and fix the smart panel back to the base with mounting screws (M2 x 4).

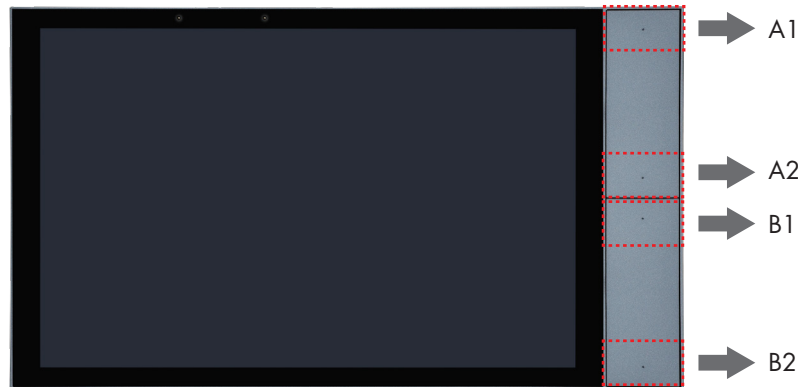


⚠ Note that the screws should not be fixed too tight during installation in case any deformation or damage to the screen or hardware.

4. If the smart panel is not flat after installation, do not press the screen violently, please check the wall box and base installation firstly.



Scene switch function



Button Functions

A/B Group Control Target: All lights, groups, zones, or individual lights.

Single Click:

A1 / B1: Switch ON

A2 / B2: Switch OFF

Long Press:

A group or B group can be configured for dimming or color tuning.

A1 / B1: Increase brightness or color value

A2 / B2: Decrease brightness or color value

*The speed of dimming or color tuning can be adjusted via the Button Function Settings in the app.

Touch Screen Setup Instructions



To add the touch screen: open the Koolmesh app and go to the Settings menu. Tap "Gateway / Control Panel," select "Add Control Panel," and then tap "Start Scanning." Scan the QR code displayed on the touch screen. Once successful, the system will automatically proceed to the display settings page.

*Note: The touch screen must be connected to the internet to generate and display the QR code. After configuration, the touch screen can still control devices without an internet connection, but data will not be uploaded to the server or cloud.

Safety Instructions

- To ensure proper usage, this product must be installed or removed by a qualified electrician.
- Power must be completely shut off before installation or removal to prevent electric shock.
- Keep the product away from fire and water sources during installation and use.
- This product must not be used in humid environments (For example, the bathroom)

Additional Information / Documents

1. To learn more about detailed product features/functions, please kindly refer to <https://hytronik.com/product/hpad-tsjae1>
2. Regarding precautions for Bluetooth product installation and operation, please kindly refer to <https://hytronik.com/service/downloads> (Bluetooth Products Precautions for Product Installation and Operation)
4. Data sheet is subject to change without notice. Please always refer to the most recent release on <https://hytronik.com/products/system-level-components>
5. Regarding Hytronik standard guarantee policy, please kindly refer to <https://hytronik.com/service/downloads> (Guarantee Conditions document)