Product Description

HBKS02D series is a double rocker Bluetooth kinetic switch (self-powered), with a lifespan of 100,000 repeated presses, and available in black and white. It requires no batteries or wiring, offering the flexibility to be freely placed or adhered to according to the needs. Moreover, HBKS02D series features "short press" and "long press" button combinations, allowing to achieve dimming control, scene recall, and quit manual mode through the **Koolmesh**® app. All simple device setup and commissioning can be done via the **Koolmesh**® app.
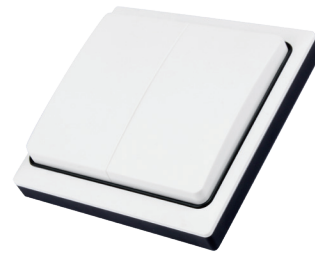
App Features

Single Short Press

1. On/Off control

2. Scene recall

3. Quit manual mode

Press And Hold

1. Dimming control

2. Colour tuning (Warm to Cool White)

Hardware Features

- Self powered
- Without battery
- Without wiring
- Freely placeable
- Waterproof (no electric shock)

Bluetooth®

HYTRONIK Koolmesh   iOS   Android

for iOS   for Android

Smartphone app for both iOS & Android platform

for iPad

Koolmesh Pro app for iPad

Web

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

Technical Specifications & Dimensions

Bluetooth Transceiver	
Operation frequency	2.4 GHz - 2.483 GHz
Transmission power	0 dBm
Range (Typical indoor)	10~30m
Protocol	**Bluetooth**®

Overview	
Power supply	Self-powered (kinetic energy)
Channels	4 (double rocker)
Mounting	Adhesive pad option is being supplied in the box, for use on smooth surfaces only
Lifetime	100,000 actuation (switching cycles)
Housing material	PC IP20
Switch pressing force	≈800g (reference only, individual variations exist)
Dimensions	86 x 86 x16.5mm
Operation temperature	Ta: -10°C ~ +40°C

Mechanical Structure & Dimensions

86mm

86mm

16.5mm
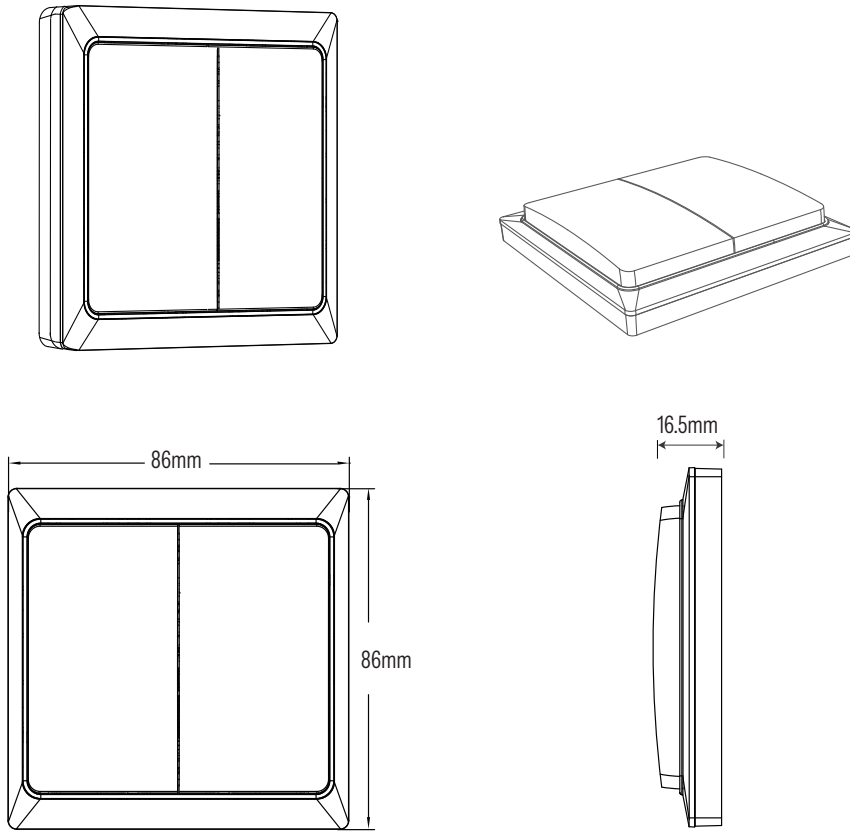
Optional Accessories For Switch Bezel

The Switch Bezel is an accessory for Hytronik kinetic switches in Basalt Grey. It enhances accessibility, especially for those with impaired vision or limited hand mobility. Compliant with the UK's Part M regulations, it ensures safe and easy usage for everyone.

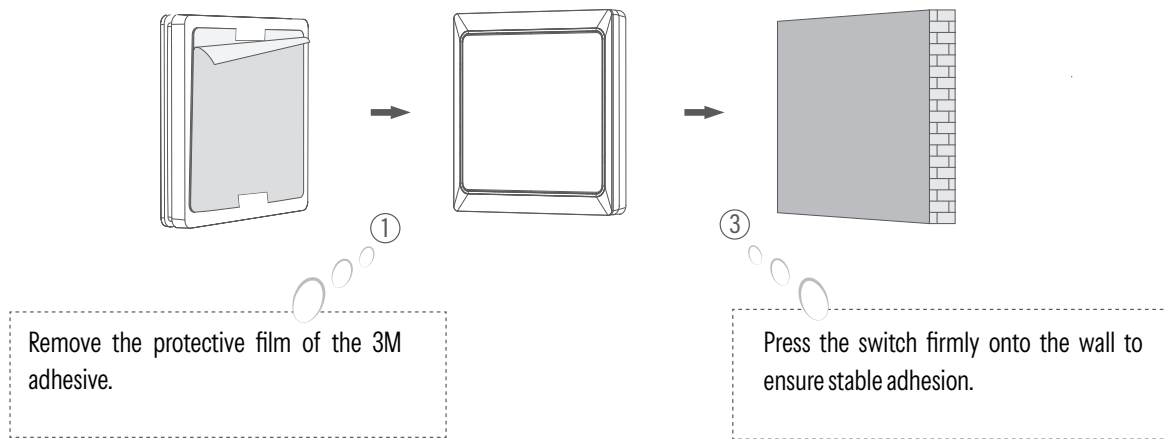HAKS01/W, HAKS01/B (size:mm)

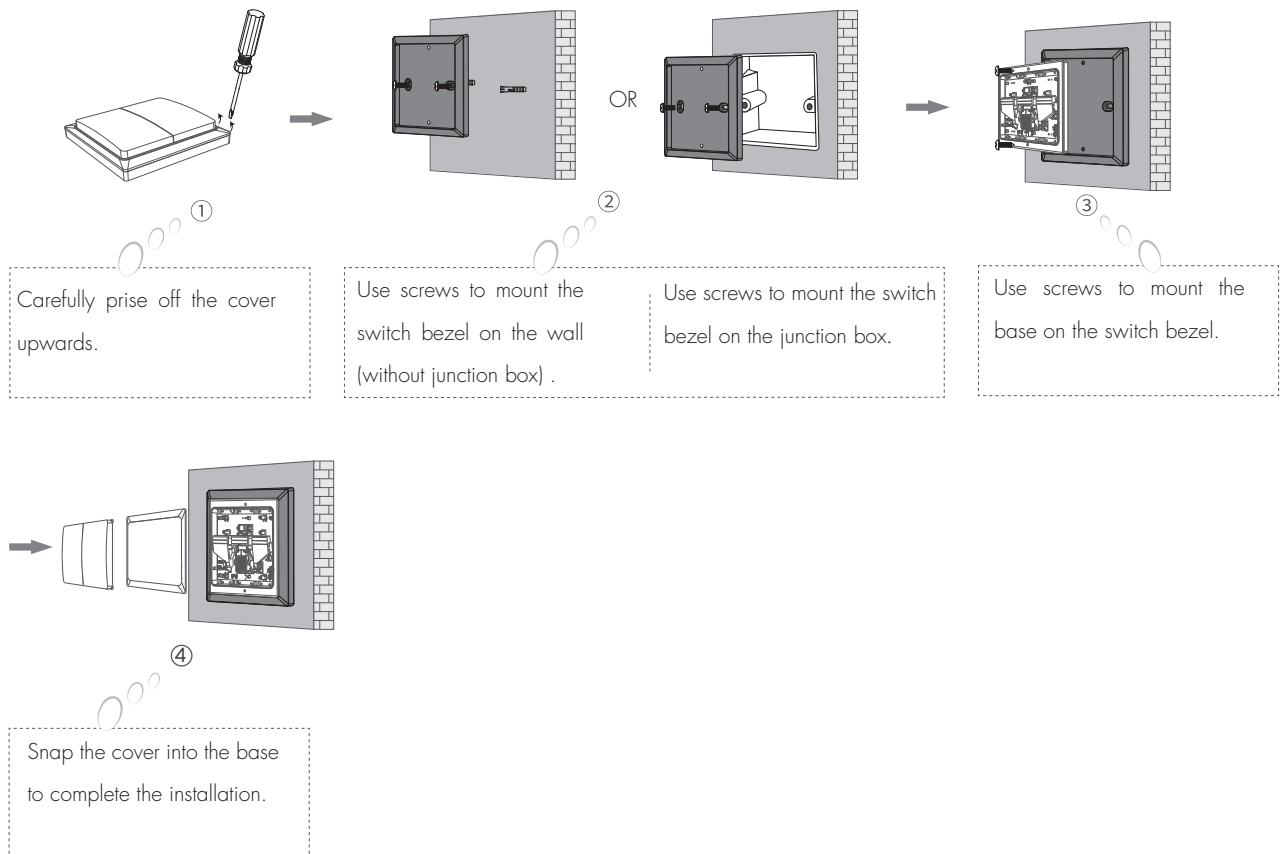HAKS02/W, HAKS02/B (size:mm)
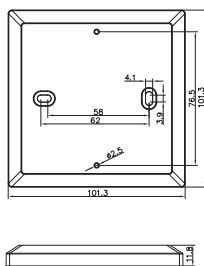
For the installation of a single switch
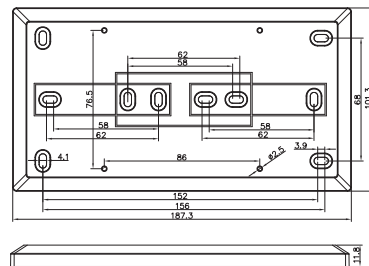
For the installation of double switches

Adhesive Mounting

*If the wall surface is clean and smooth, directly peel off the double-sided adhesive tape and stick the switch to the wall.

① Remove the protective film of the 3M adhesive.

③ Press the switch firmly onto the wall to ensure stable adhesion.

Method 2: Installation with Switch Bezel

① Carefully prise off the cover upwards.

② Use screws to mount the switch bezel on the wall (without junction box).

OR

Use screws to mount the switch bezel on the junction box.

③ Use screws to mount the base on the switch bezel.

④ Snap the cover into the base to complete the installation.

Dimming Interface Notes

Detailed Push switch configurations can be set on Koolmesh app.

Switch Function	Action	Descriptions
Push switch	Short press (<1 second) * Short press has to be longer than 0.1s, or it will be invalid.	- Turn on/off - Recall a scene - Turn on only - Quit manual mode - Turn off only - Do nothing
	Long press (≥1 second)	- Dimming - Colour tuning (Warm to Cool White) - Do nothing

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