Installation and Instruction Manual

HYTRONIK ®

Bluetooth® Kinetic Switch

A One-gang Switch

HBKS01

1. Technical Specifications

Operation frequency	2.4 GHz - 2.483 GHz
Transmission power	-5 dBm
Range (Typical indoor)	10~30m
Protocol	Bluetooth®
Power supply	Self-powered (kinetic energy)
Lifetime	100,000 actuation (switching cycles)
Housing material	PC
Dimensions (L x W x H)	86x86x15mm
Operation temperature	Ta: -10°C ~ +40°C
Switch pressing force	≈700g (reference only, individual variations exist)
IP rating	IP20

⚠ Note : Bluetooth transmission performance may be affected by various factors, including but not limited to the force applied to buttons during operation (which may impact power supply stability) and actual environmental conditions such as electromagnetic interference and physical obstructions.

2. Download the App
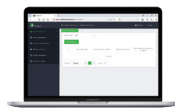
Free App for set-up and commissioning

Bluetooth® 5.0 SIG mesh

HYTRONIK Koolmesh — iOS / Android — for iOS — for Android

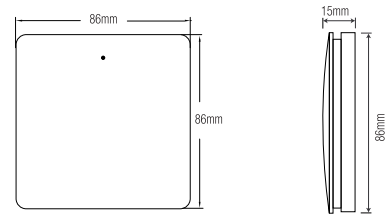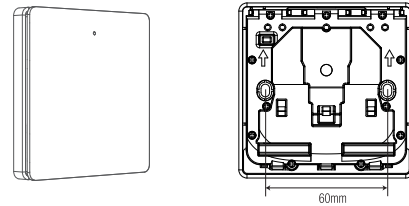Smartphone app for both iOS & Android platform

for iPad

Koolmesh Pro app for iPad

Web — for Web

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

3. Installation

Mechanical Structure & Dimensions

60mm

86mm

86mm

15mm

86mm

QR code scaning via **Koolmesh®** app

*Use camera to scan and add

16:40
‹ Back   Bind Self-powered Switch

Supported Hytronik products: HBKS0x Series (Self-powered switch), HBLM01 (Desktop Multisensor)

Supported EnOcean BLE switch type: PTM 215B/216B (HBES01) (EWSDB / EWSSB) (ESRPB / EDRPB)
Supported EnOcean Multisensor types: STM 550B

You can add by scanning the QR code or DMC code on the back of the device.

Use camera to scan and add

Alternatively, you can add using the NFC function by holding your phone close to the device.
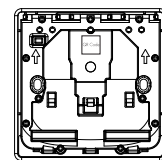
Use NFC to add

A. Before installation
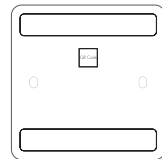
Scan the QR code on the back of the switch to pair the device.

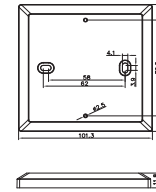**B. After installation**

1. Open the middle button by hand.
2. Scan the QR code to pair the device.

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)

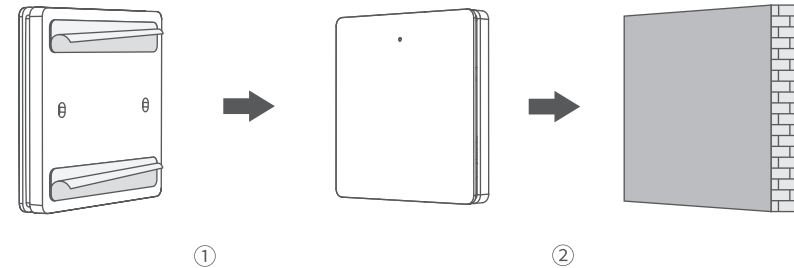For the installation of a single switch

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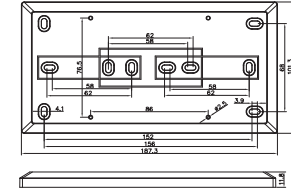
For the installation of double switches

Method 1: 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.
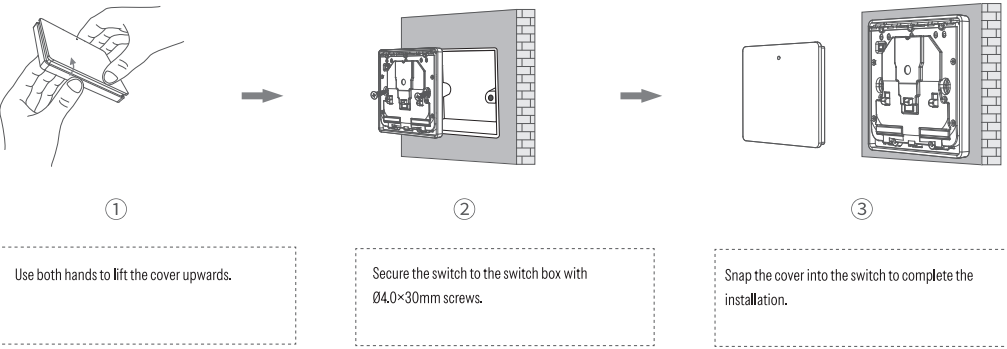

①

②

Tear off the 3M adhesive tape provided with the switch and attach it to the back of the switch, then remove the protective film of the 3M adhesive.

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

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Method 2: Switch installation directly onto the switch box

*If prefer to install it on the original switch box, use screws for installation.

① ② ③

Use both hands to lift the cover upwards.

Secure the switch to the switch box with Ø4.0×30mm screws.

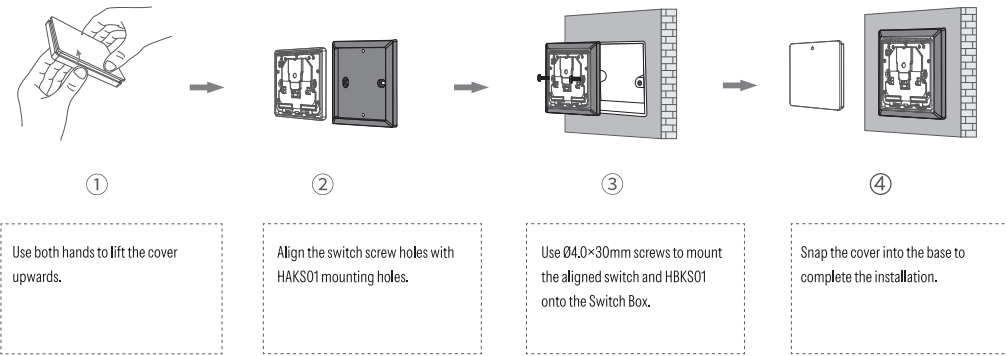Snap the cover into the switch to complete the installation.

⚠ Note: Please control the screw tightening torque during assembly (recommended ≤ 0.1 N·m) to avoid panel deformation caused by uneven stress, which may affect button feel or function. Proper torque ensures both structural stability and appearance quality.

Method 3: Installation Onto the Wall Using the HAKS01.

*Without the switch bezel, the switch cannot be mounted directly onto the wall

① ② ③ ④

Use both hands to lift the cover upwards.

Align the switch screw holes with HAKS01 mounting holes.

Use Ø4.0×20mm screws to mount the aligned switch and HBKS01 onto the wall.

Snap the cover into the base to complete the installation.
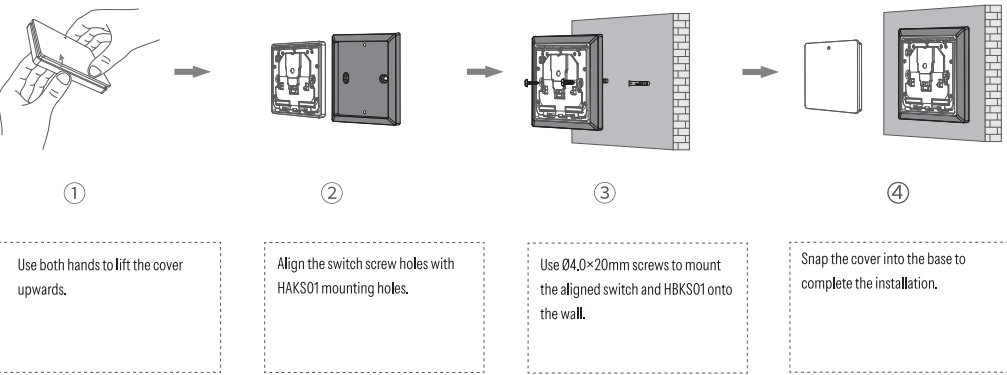
Method 4: Installation Onto the Switch Box Using the HAKS01.

① ② ③ ④

Use both hands to lift the cover upwards.

Align the switch screw holes with HAKS01 mounting holes.

Use Ø4.0×30mm screws to mount the aligned switch and HBKS01 onto the Switch Box.

Snap the cover into the base to complete the installation.

4. 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

5. Additional Information / Documents

1. To learn more about detailed product features/functions, please kindly refer to
   https://hytronik.com/product/hbks01-w

2. Regarding precautions for Bluetooth product installation and operation, please kindly refer to
   https://hytronik.com/service/downloads （Bluetooth Products Precautions for Product Iinstallation and Operation）

3. Data sheet is subject to change without notice. Please always refer to the most recent release on
   https://hytronik.com/products/system-level-components

4. Regarding Hytronik standard guarantee policy, please refer to
   https://hytronik.com/service/downloads （Guarantee Conditions document）

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