Beanbag Thermostat 500 series

Quick installation guide

Suitable for DX systems such as Split, Window and Cassette type ACs with display on IR remote

Prerequisites

For installation

Tools / things you may need:

Flat head screw driver

Philips head screw driver

Drill machine

Wire stripper

Plier

Hammer

Cable conduit

Cable

Pencil/Pen

Wall anchors and screws

Saw

Measuring tape

For commissioning

To commission the system, you need:

Router with internet

Smartphone

version 11.0 and above

Lollipop (version 5.0) and above

Beanbag mobile app

Prerequisites

For network configuration

Router specifications

- Configure a dedicated SSID for Beanbag Cool on router / AP
- Choose an SSID - minimum 5 characters
- Choose a password - minimum 8 characters
- Set the SSID broadcast to **Disabled** or **Hide** for enhanced security
- Set security to WPA/WPA2/Open

Wi-Fi specifications

802.11 B/G, 2.4 GHz wireless router

Note: Disable 'N', if enabled previously.

Wi-Fi signal strength 0 to (-) 60 dBm

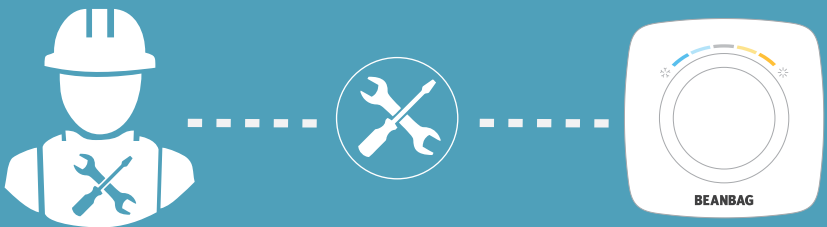
Good to know *

- Data consumption- Approx 0.5 MB per device per day
- Wi-Fi bandwidth - approximately 5 Kbps per device
- Number of connections (Optimal) per access point- Depends on the type of router installed. May lead to frequent disconnections, as number increases beyond the specified limit.

*** Numbers indicative only**

Technical specifications

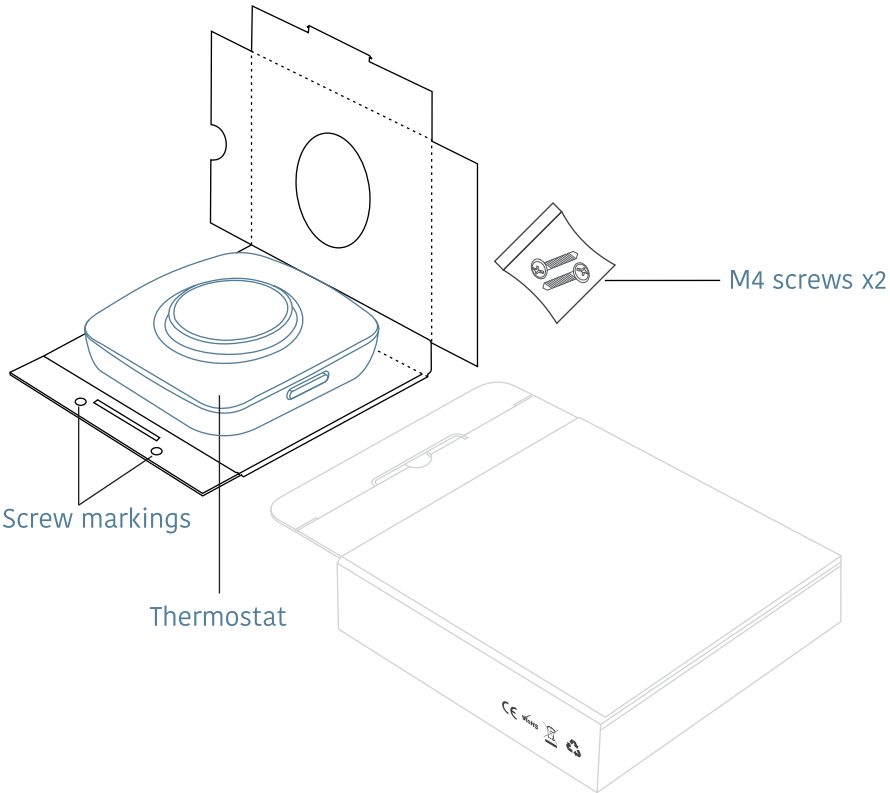
Mechanical	
Dimensions	96(H) x 96(W) x 28(D)
Case material	PC FR
Weight	104 gms
Mounting	Key-hole wall mount
Power supply	90 -265 V, 50 – 60 Hz
Environmental	
Impulse voltage rating	Cat II 2.5 kV
Enclosure protection	IP30
Pollution degree	2
Operating temperature range	0°C to +50°C
Storage temperature range	-20°C to +70°C
Humidity range	10 to 95%
Set-point range	18°C to 30°C
Compliance	
Standards	EN 60730-1, EN 60730-2-9 Radio ETSI EN 300 328



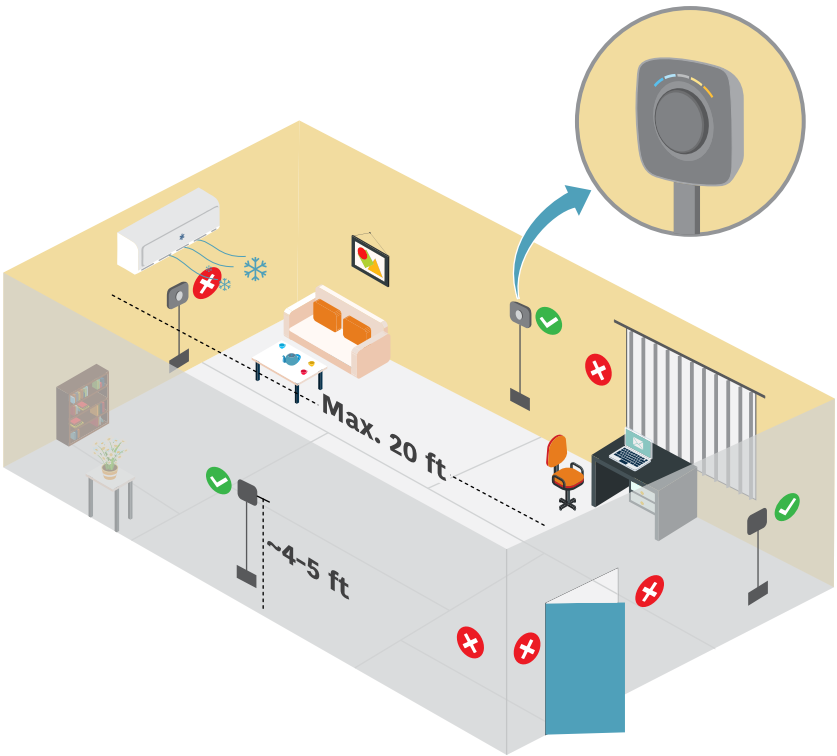
Installation

Disconnect power before installation

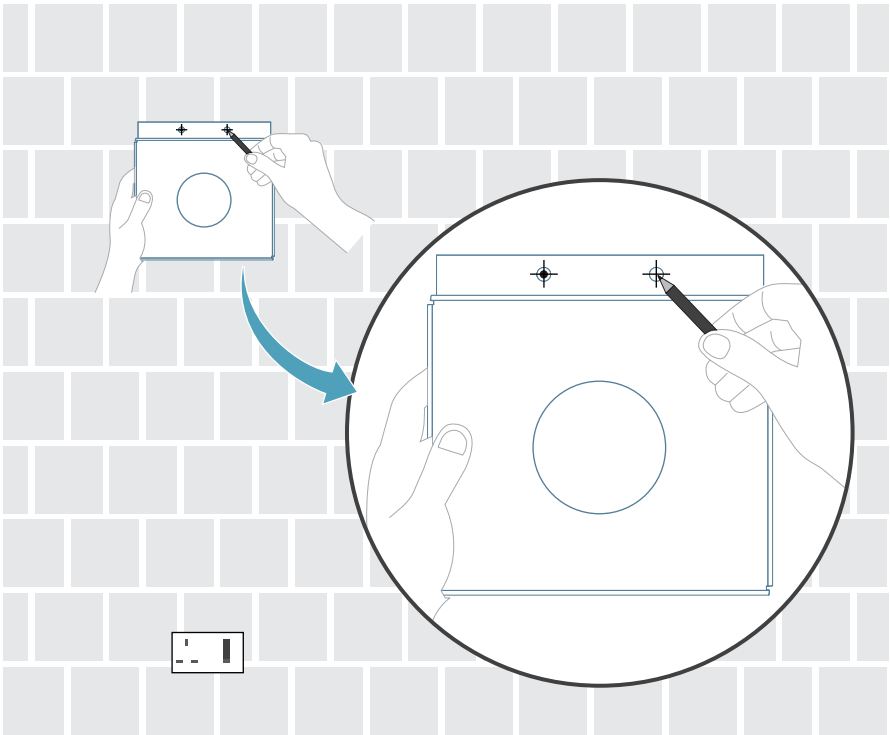
In the box



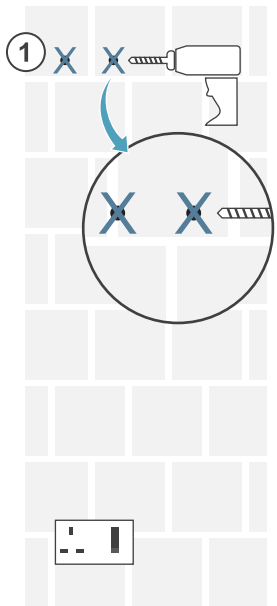
1. Identify mounting location

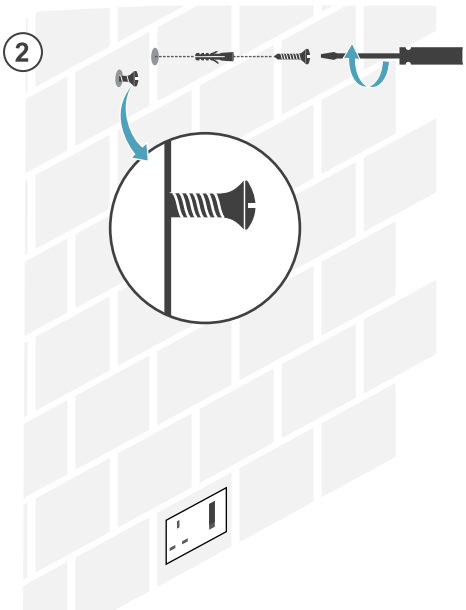


2. Mark out the mounting position using the screw markings

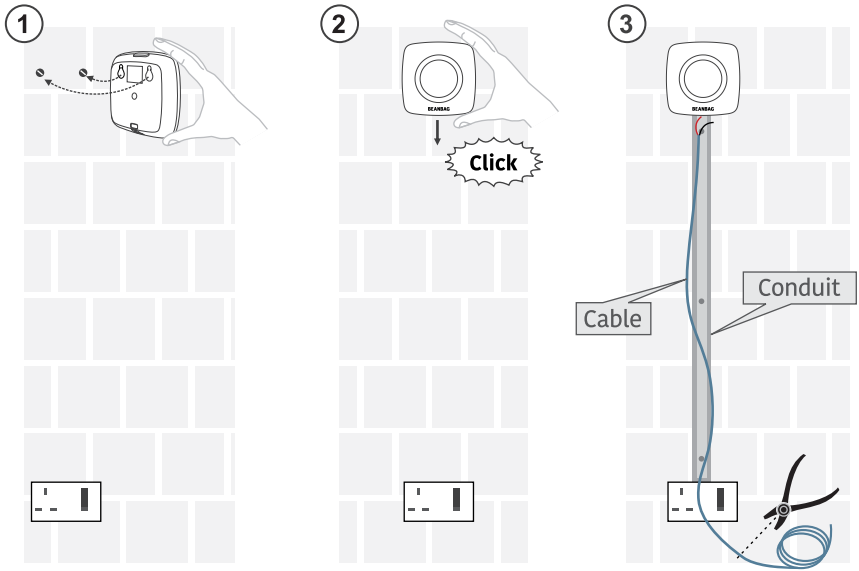


3. Drill the holes | insert the anchors | tighten the screws





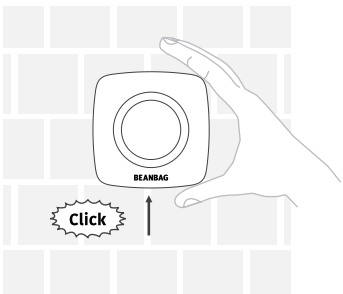
4. Prepare cable and mount the conduit

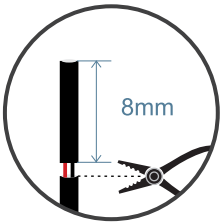


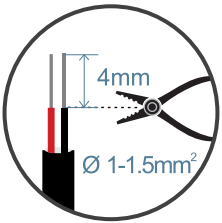
Note: For safety reasons, we recommend placing the cable in a conduit.

5. Make connections

1







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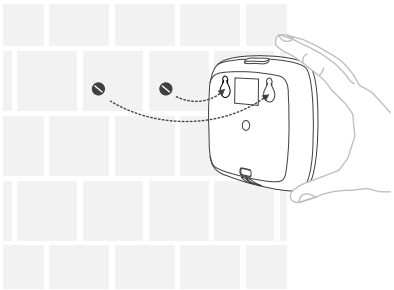

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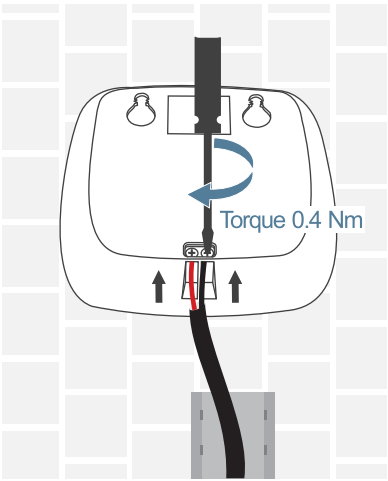
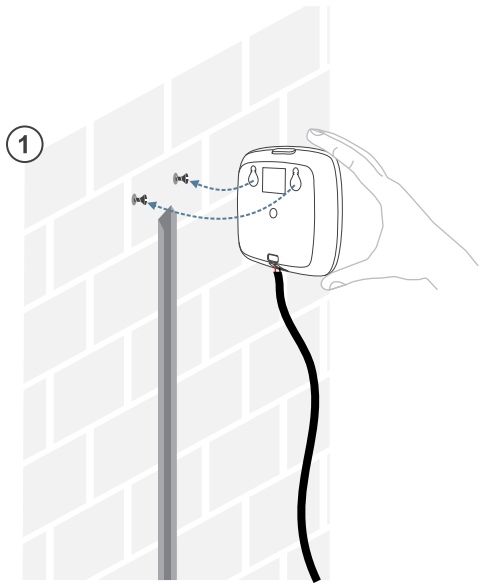
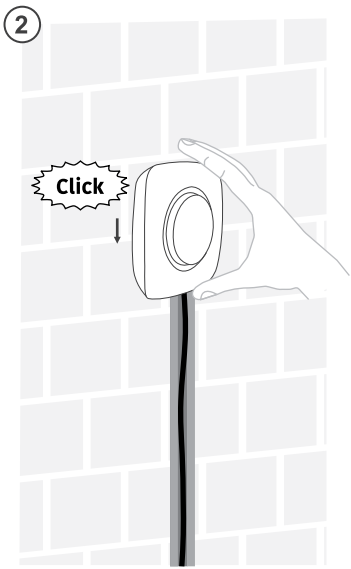
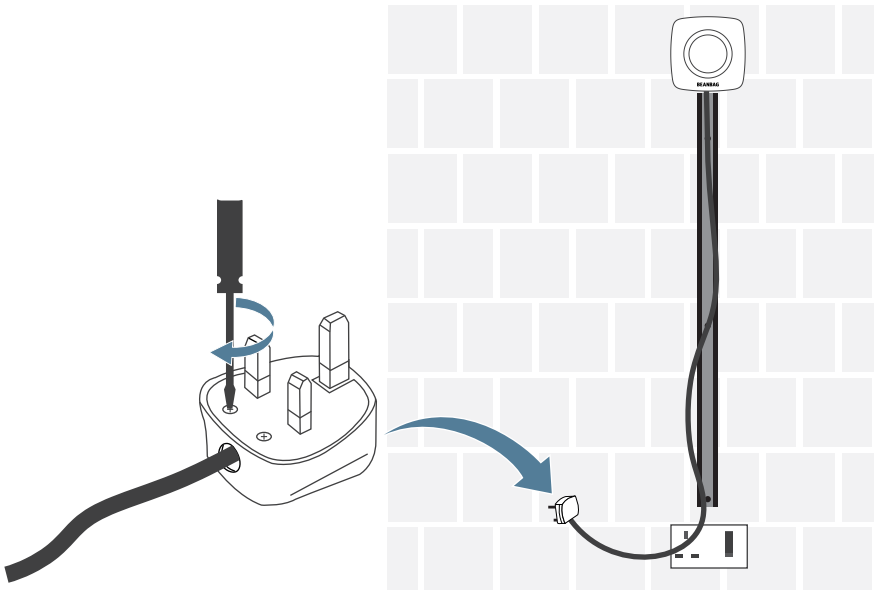


6. Mount and lock the thermostat

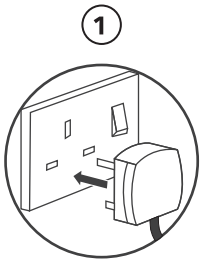


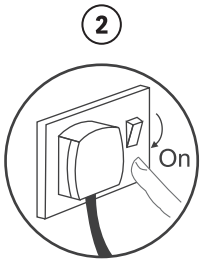


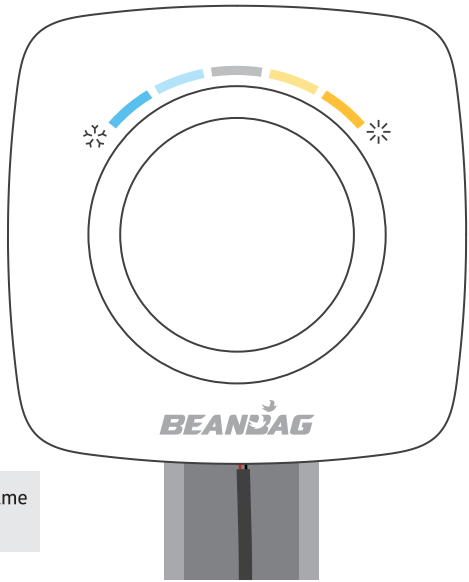
7. Connect power plug to the cable



8. Power On and verify connections



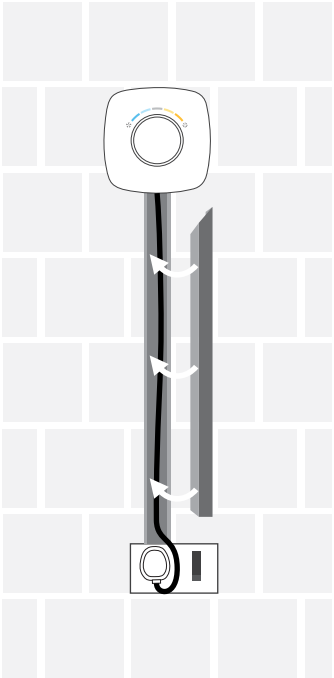


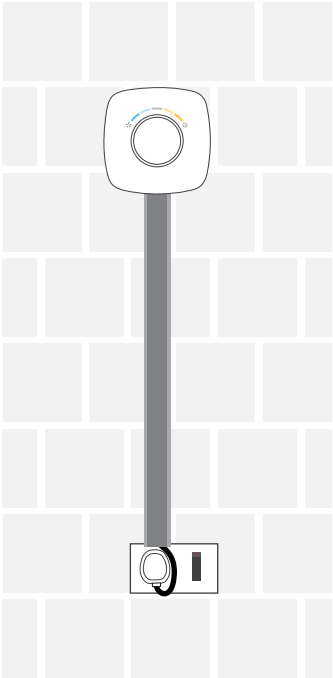


⚠ AC and Thermostat must be on the same supply source

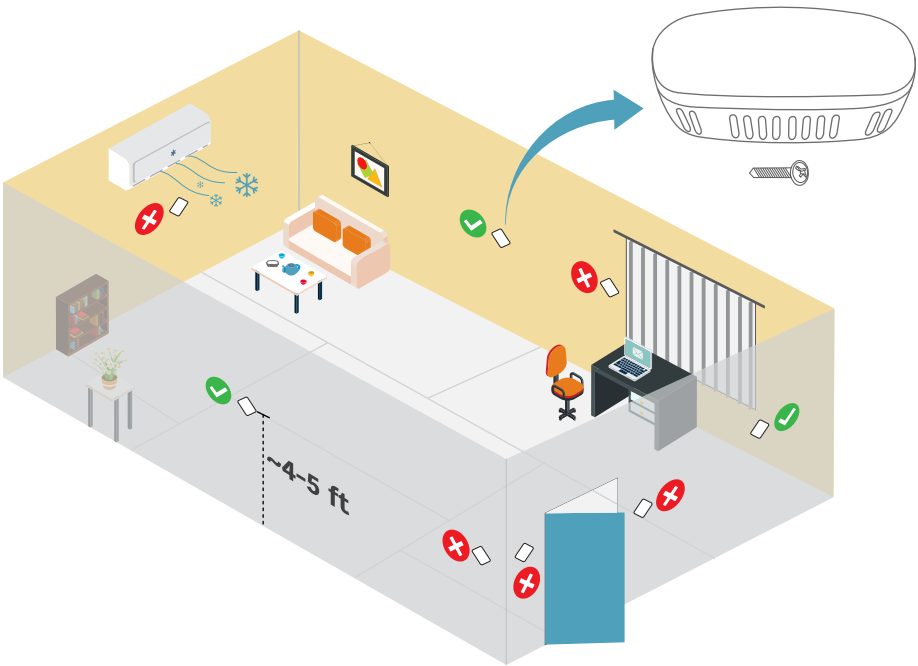
Note: In the un-commissioned state, If the device is suitably connected and powered On, all LEDs will glow steadily.

9. Seal the conduit





Add Beanbag External Temperature Sensor 110



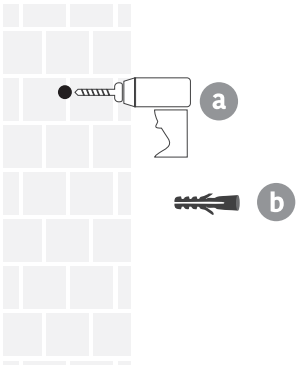
Note: Identify appropriate mounting location for the external temperature sensor.

Technical specifications

Size (mm)	72(H) x 72(W) x 20(D)
Battery	Two AAA size batteries (included) Up to 5-year battery life
Weight	58 grams approx
Comms. type	BLE
Comms. range	Up to 10 meters from the Thermostat (Range can vary depending on your home's construction, wireless interference and other factors)
Operating temperature	0° to 50°C
Compliance	• EN 301 489 -1 (Radio EMC) • EN 301 489 -17 (Radio EMC broad band data transmission) • RoHS Directive • EN 300 328 - 2.4 GHz wideband

Mount and power On

1



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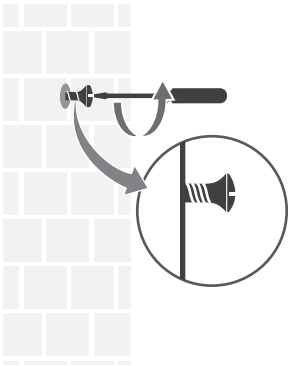

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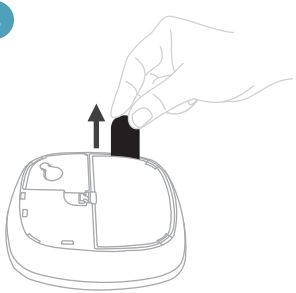

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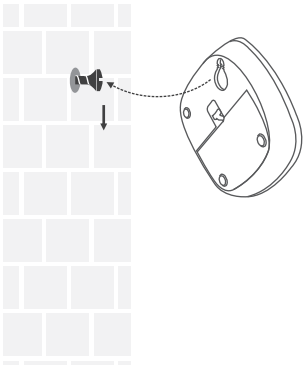
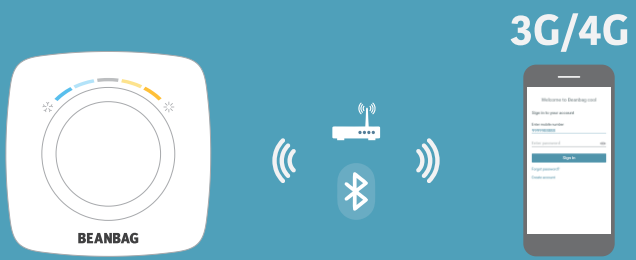
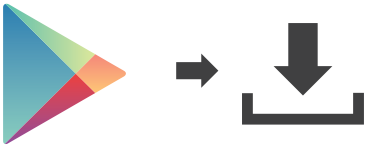




Commissioning

Download the Beanbag Cool mobile application



Version 5.0 and above

Version 11.0 and above

Commissioning Do’s and Don’ts

Sign in to the app and follow the instructions to complete the commissioning process. However, please keep in mind the following, before/during the commissioning process:

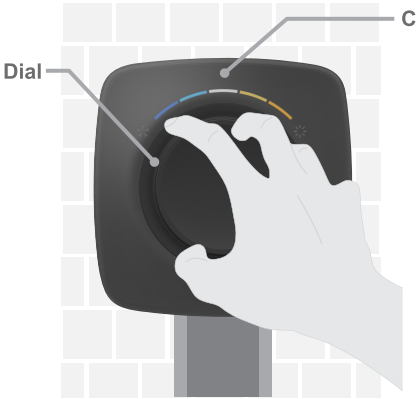
Before commissioning:

1. Ensure the device to be commissioned is on the same Wi-Fi network as that of the mobile.
2. Ensure that your Wi-Fi is turned ON and your cellular data is turned OFF.
3. Keep the Wi-Fi SSID password ready for commissioning.

Before learning:

1. Switch OFF the AC using the remote, ensuring that the Mains supply to the AC is ON.
2. Go to mobile settings and disable the Battery saving mode, if enabled. Further turn on the GPS to High accuracy. You can change the settings back to battery saving, once commissioning is complete.
3. If you are performing IR learning in a room with reflective surfaces such as glass doors, mirrors, direct LED spotlights etc. you may observe errors during learning. Care must be exercised to block out all reflections.
4. Line of sight between remote to thermostat and AC must be ensured at all times.

User functions



Indicators

- Cool
- Slightly cool
- Comfortable (default)
- Slightly warm
- Warm

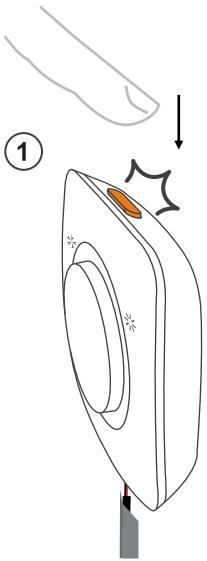
1

Select desired comfort band

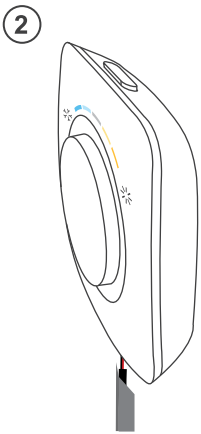
2

Desired band set

Turn On/Off AC locally



Off state



On state

Beanbag product variants

Variants	Description
BT5000-000	Beanbag thermostat 500, split/window AC, 230V AC, Wi-Fi, BLE
BT5100-000	Beanbag thermostat 600, FCU, 230V AC, wall mount, Wi-Fi, BLE, On/Off valve, with external BLE sensor
BT5100-010	Beanbag thermostat 600, FCU, 230V AC, wall mount, Wi-Fi, BLE, On/Off valve, energy saver key tag input, with BLE external sensor
BT5100-100	Beanbag thermostat 630, FCU, 24V AC, wall mount, Wi-Fi, BLE, 0-10V modulating vale, with external BLE sensor
Additional	**Description**
BS1000-000	Beanbag External Temperature Sensor 110, AAA battery powered, BLE
BLLD40-177	Wall plate (optional)

Notes

Secure Meters Ltd
Pratapnagar Industrial Area
Udaipur 313 003
India
p: + 91 294 2492300
f: +91 294 2492310

www.securemeters.com

Australia
sales_australia@securemeters.com

UAE
sales_middleeast@securemeters.com

India, SE Asia, Africa
sales_india@securemeters.com

BGX701-174

BGX701-174-R02