heatboss®

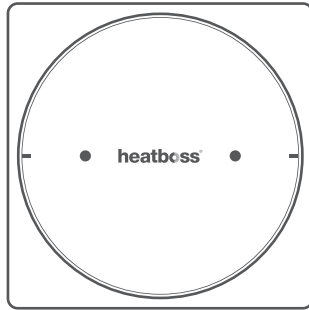## Remote Switch / Repeater Guide

01
Introduction

heatboss® remote switch is an intelligent wireless switch and wireless repeater. It is installed in a room to control electric radiators or any resistive electric load up to 3Kw. It can also be installed to act as a repeater to boost the wireless signal through the building.
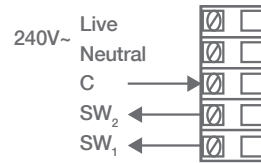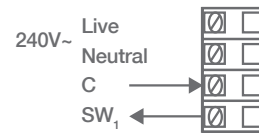
02
Pre-install

The Power Module is used to power the heatboss® Remote switch and allows it to control external systems such as zone valves/electric radiators etc. Power Module 1 contains 2 x 5amp relays and Power Module 2 contains 1 x 13amp relay.

The load from common header C will be switched to output from SW_1 or SW_2

Module 1: 2 x 5A relays

240V~ — Live, Neutral, C, SW_2, SW_1
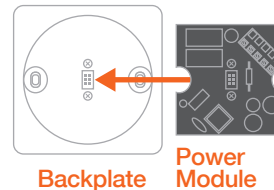
Module 2: 1 x 13A relay

240V~ — Live, Neutral, C, SW_1

How to install stat power module

• Ensure module is placed the correct way up, then fix onto the back of the backplate with the screws provided.

Backplate   Power Module

• Please ensure meains power is off.

• Wire in power 240V AC (L = live, N = neutral)

• You can now wire the external equipment you wish to control now.

If you have installed Power module 1 to the backplace you can use the two 5A outputs.

If you have installed Power module 2 to the backplate you can use the one 13A output.
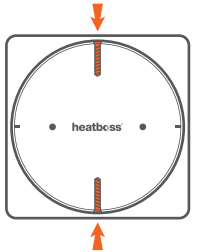
The common input C will be switched out by SW_1 and SW_2.

• Ensure the wires are not exerting any force on any of the components of the PCB.

03
Install

• Once the power module has been wired please screw the back plate to a single gang wall socket. Ensure that it is mounted level with the arrow pointing upwards and away from heat sources. e.g. radiators, electric heaters etc.

• Fix the Remote Switch front onto the back plate and attach both screws.

• Power on mains power to the switch / repeater.

04
Installing to system

• Log on to heatboss® user interface.

• Select Zone, Rooms & Controllers from the dropdown menu.

• Select the desired room you want to install the thermostat to and click "scan for device"

• The switch / repeater will scan for the hub, this takes up to 30 seconds, whilst this is happening the green LED will flash.

• The green LED will stop flashing and light continually, when a connection has been established, the remote switch / repeater is now sucessfully installed.
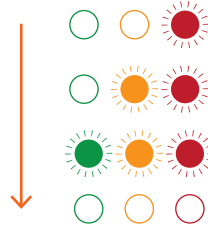
05

Display Symbols

Green LED flashing
Trying to sync to hub

Green illuminated remote switch synced to hub

Yellow illuminated
Relay 2 on

Red illuminated
Relay 1 on

Green LED blinking every 5 sec.
Device has lost comms with hub.

All LEDs flashing
Factory reset / reset performed

06

How do I...

Manually turn on a relay 1

Press **Right •** for 15 seconds until the Red LED comes on.
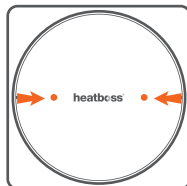
Manually turn off a relay 1

Press **Right •** for 15 seconds until the Red LED goes off.

Manually turn on relay 2

Press **Left •** for 15 seconds until Yellow LED comes on.

Manually turn off relay 2

Press **Left •** for 15 seconds until Yellow LED goes off.

The dots at the left and right of the device function as controls

Reset

To reset the remote switch press and hold **Both •** simultaneously for 10 seconds. The display will flash Red LED, then Yellow then Green. Release **Both •** button when all 3 LED goes out.

07

Switch / Repeater Technical Specification

Remote Switch / Repeater	Intelligent Electronic Remote Switch / Repeater
Software Classification	Class A
Safety Classification	Class II
Power Source	240V A/C via Power Module
No. or Control Outputs	2 via SW1 / SW2 for Power Module 1 1 via SW1 for Power Module 2
Size	L: 95mm Ø: 85mm
Weight	100g
IP Class	II Completely protected by its enclosure
Radio Signal	2.4Ghz mesh Zigbee

Power Module Technical Specification

Type	Use for heatboss® remote
Safety Classification	Class II
Size	65mm x 65mm
Mechanical Contact	Relay
Module 1 Switch Max	5A Resistive Load
Module 2 Switch Max	13A 3Kw Resistive Load
Relay Voltage Switched	Voltage free via C pin header

Safety Precautions

The heatboss® stat should not be used in places where it can be exposed to water.