

**Description**

SCS Basic probe with wired sensor is industrialized in 2-module flush-mounted version, to be mounted in electrical junction boxes and DIN rail cabinet as well; it doesn't have any internal temperature sensor, but it reads the ambient temperature information in the range 0 – 40 °C from an external wired sensor, which must be mounted in the wall at a height of 1.5m from the floor level, exposed to air. At the moment, 2 different temperature sensors are managed by the probe: BTicino BT-3457 and Vantage 8051; no other sensors can be connected to this probe, because the correct temperature reading can't be guaranteed.

This device has 3 input terminals:

- SCS: it is used for connection to the SCS bus.
- PROBE: it is used for connection to the external temperature sensor.
- REMOTE: it is used for connection to a remote contact, useful for different applications (e.g. to change the operating mode when a window is opened, to change the operating function...).

The probe has one mechanical pushbutton, which is used only during device configuration, and 2 LEDs, one red and one green, used to point out information about device correct configuration and installation, as well as thermoregulation zone state.

**Related items**

The probe must be used with the following actuator devices:

- F430/2 ON/OFF 2-relay actuator;
- F430/4 ON/OFF 4-relay actuator;
- F430R8 ON/OFF 8-relay actuator;
- F430R3V10 ON/OFF 3-relay actuator with 2 x 0 – 10 V outputs;
- F430V10 actuator with 2 x 0 – 10V outputs.

The following sensor must be connected to the probe for room temperature reading:  
3457 Temperature probe.

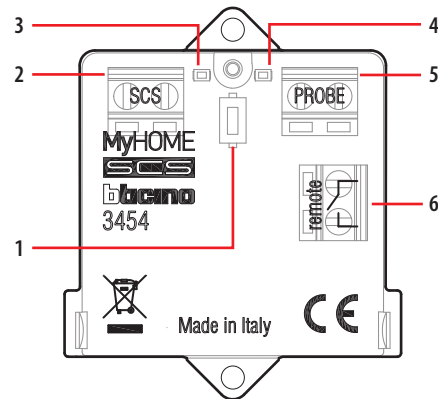
**Technical data**

Power supply:	18 – 27 Vdc
Absorption:	10mA max
Operating temperature:	0 – 40 °C
Temperature set-point:	3 – 40 °C; increase of 0.5 °C
Installation height recommended for the probe:	150 cm from the ground
Controllable loads:	On/Off, open/close, 3-point or 0 – 10V valves. 2-tube and 4-tube fan-coils with On/Off, 3-point, or 0 – 10V valves. 2-tube and 4-tube fan-coils with 0 – 10V speed control. Gateway.

**Dimensional data**

Installation in electrical junction boxes and DIN rail cabinet.

Front view



**Legend**

1. Virtual configuration pushbutton
2. Clamp for connection to the SCS/BUS.
3. Red status notification LED \*
4. Green status notification LED \*
5. 3457 analogue probe or Vantage Flushmount sensor connection
6. Window contact

**\* LEDs functionality**

The device has 2 LEDs, one red and one green, which are used to point out information about device correct configuration and installation, as well as thermoregulation zone state, according to the following table:

Device state	Green LED	Red LED
Device not configured	Blinking fast	OFF
Configuration/test in progress	Blinking 1s on / 1s off (starting OFF)	Blinking 1s on / 1s off (starting ON)
Remote configuration in progress	Blinking 0.5s on / 0.5s off (starting OFF)	Blinking 0.5s on / 0.5s off (starting ON)
Error state **	ON	Blinking 1s on / 1s off
Zone in on state	ON	ON
Zone in off state	ON	OFF

\*\* The following errors are managed:

- Not answering pump;
- Not answering actuator;
- Not answering slave device;
- Temperature sensor error;
- Flash EEPROM error.

### Configuration

The probe can be configured:

- Using MyHOME\_Up (firmware version 2.1 and over, App version after 2.2), with a dedicated wizard, which will take the user through the correct configuration procedure.
- Using MyHOME\_Suite (version higher than 03.03.73); for more information see the relevant documentation.

**Note:** In case of first installation, or measured temperature very different from the actual temperature, wait a few minutes before re-checking the measured room temperature.

### Wiring diagrams

