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Temperature sensor

CUBIC-TL – V1.2

General description

The Cubic-TL model is a thermostat with LED indicators and composed of 5 independent touch areas.

Its 5 independent touch areas allow on/off control, temperature control and cold mode or heat mode selection.

The thermostat is incorporated in the electronic board itself.

It incorporates discretized PI regulator with temperature control by programming, to achieve greater comfort and energy savings.

Capacity

To do a partial control we can use as many Cubic-TL as independent zones with different temperatures as we wished to control centrally from any interface such as touch screen, PC, etc. This way, we are able to control independently and customized each of the rooms or zones of the installation in a remote way.

Temperature range from 0 to 51ºC.

Mounting in universal mechanism box. It can be used to control temperature or to fancoils.

Function Modes:

• **Summer mode:** Perform actions when cooling is demanded.

• **Winter mode**: Perform actions when heat is demanded.

• **Mixed mode:** Summer and winter mode simultaneously.

• **Off mode:** Temperature reading, no actions are executed.

Technical information

Supply – 9 - 16 Vdc

Consumption – 35 mA @ 12Vdc

Temperature range - 0ºC to 51ºC.

Mounting – In universal mechanism box.

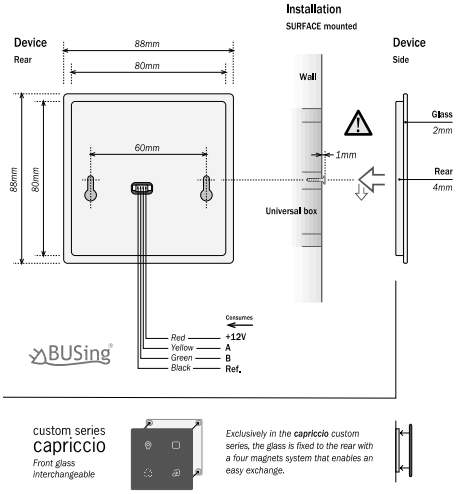
Size– 88 x 88 x 6 mm.

Environment temperature range - Operation: from -10ºC to 55ºC / Storage: from -30ºC to 60ºC / Transportation: from -30ºC to 60ºC.

Regulation - According to the directives of electromagnetic compatibility and low voltage •EN 50090-2-2 / UNE-EN 61000-6-3:2007/ UNE-EN 61000-6-1:2007 / UNE-EN 61010-1.

Installation

The device is installed hanging from the two parallel grooves on its rear.
*Two **conical head screws** are used in wall and/or universal mechanism box.*
*It is **VERY IMPORTANT** that the screws head excels **1mm** from the wall.*



Remarks

-Feed low voltage lines (BUS and inputs) in separate ducting to that of power (230V) and outputs.

-Use flexible shielded 4 wires x 0,22 mm^2 cable or 2 wires x 0,5 mm^2 + 2 wires x 0,22mm^2 for the BUS.

-Follow a colour code for the BUS. Our ref: Red +12V, Yellow: A, Green: B, Black: Ref.

QR-Code

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