



thT Thermostat temperature humidity Thermostat

thT is a new CAREL thermostat for temperature and humidity in control domestic or commercial environments, fitted with a simple and intuitive user interface.

thT features the following main operating modes:

- management of weekly time bands according to specific user requirements;
- ECO mode to reduce temperature when the room/area is not occupied (energy saving);
- PARTY function for unplanned events where a higher comfort level is needed.

The device's compact size make it ideal for any type of space, and is perfect both as the user interface (HMI) for heat pumps, rooftop units, air handling units, etc. and as the zone controller terminal for centralised installations.

The thermostat can operate either:

- in stand-alone mode, as a room thermostat;
- connected via a Modbus® RS485 serial network to a programmable controllers, for various applications (e.g. as zone controller in radiant systems).

The serial connection can be used to manage up to 32 thermostats at the same time, with data sent to a programmable controller or supervisory system and exploiting synergies to give more efficient and accurate temperature control.

A version with built-in humidity sensor is also available for specific requirements.

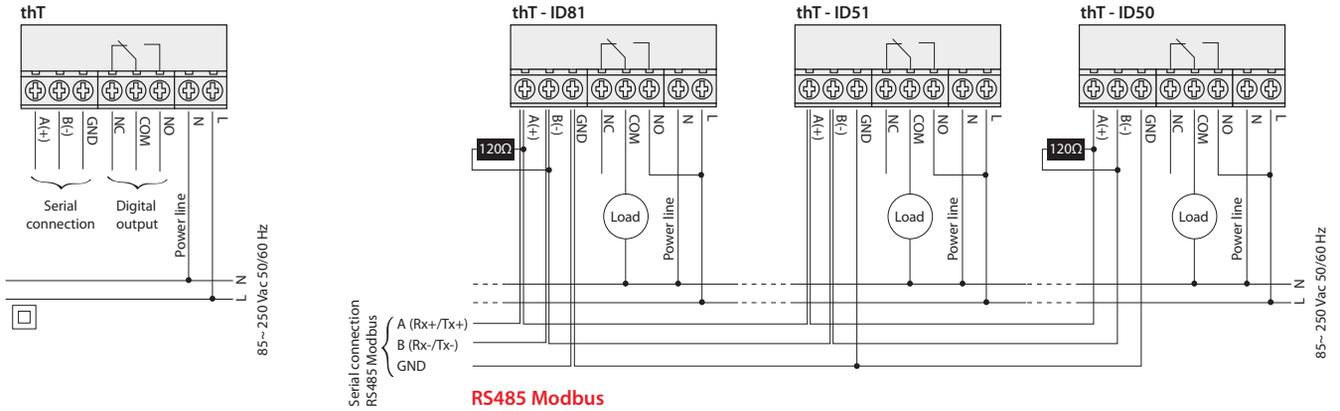
The thermostat can be either flush-mounted (compatible with the most commonly-used switch boxes available on the market) or wall-mounted. Both versions feature 230 Vac mains power supply.

Benefits

- Modbus RS485 serial connection;
- Weekly programming;
- Eco and party functions;
- Frost protection;
- Changeover relay (SPDT)
- Built-in humidity sensor



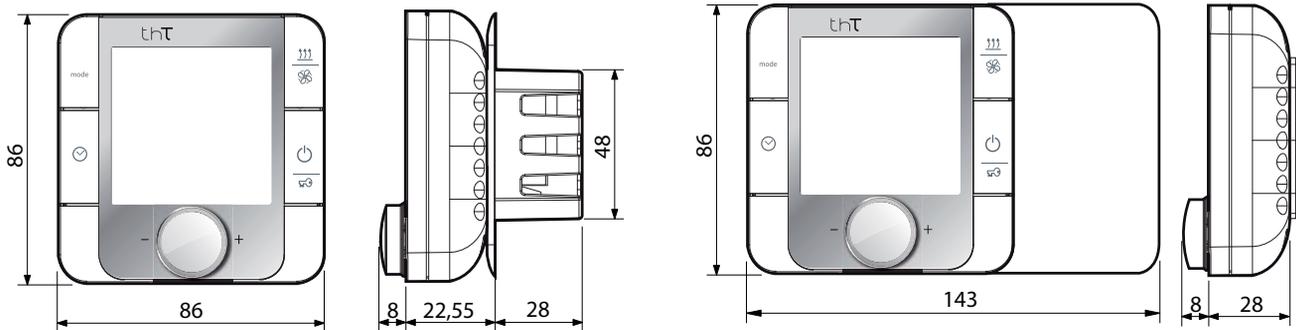
Electrical connections



Models available

P/N	Model
THB000AAF0	thT: temperature thermostat - flush-mounting - neutral version
THB000ACF0	thT: temperature/humidity thermostat - flush-mounting - neutral version
THB000AAW0	thT: temperature thermostat - wall-mounting - neutral version
THB000ACW0	thT: temperature/humidity thermostat - wall-mounting - neutral version

Dimensions



Integration

Fully integrated into the 1tool development environment, Carel PlantVisor PRO and PlantWatch PRO supervisory systems



Connectivity

Standard Modbus communication over RS485. Can be used with third-party BMS systems



User interface

Ideal as the user interface for heat pumps, rooftop units, AHUs or as the zone controller terminal for centralised installations

Headquarters ITALY

CAREL INDUSTRIES HQs
Via dell'Industria, 11
35020 Brugine - Padova (Italy)
Tel. (+39) 0499 716611
Fax (+39) 0499 716600
carel@carel.com

Sales organization

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