



clima

## The new “all in one” thermostat-humidistat for cooling/heating and humidification systems

**Clima** is the new CAREL proposal for the management of simple air-conditioning and heating systems. The 0 to 10 V output can also be connected for the modulating control of the CAREL “compactSteam” humidifier in residential and light commercial applications.

When designing this controller special attention was focused on the appearance and simplicity of use, adopting a large icon-based display that allows the user to navigate the system parameters with ease.

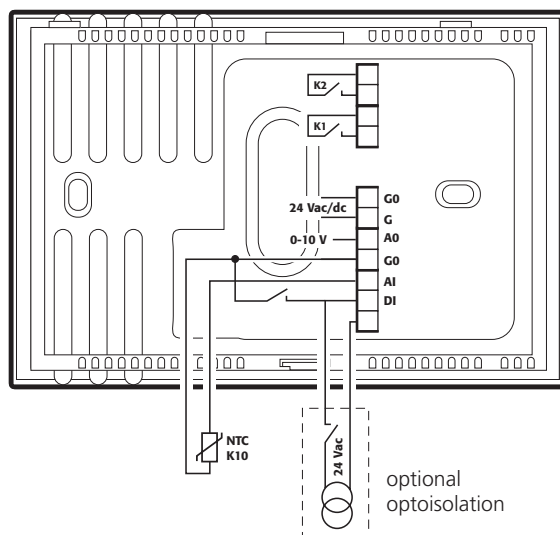
**Clima** comes with an inbuilt temperature or temperature/humidity sensor, multifunction digital input, up to two relays + one 0 to 10 V proportional output for 11 different control modes, including zone control for radiant underfloor installations.

In addition, an outside temperature sensor can be connected for automatic compensation of the temperature and humidity set points. The Real Time Clock manages a daily time band, and the optional RS485 serial interface completes the product, making it a technologically advanced solution.

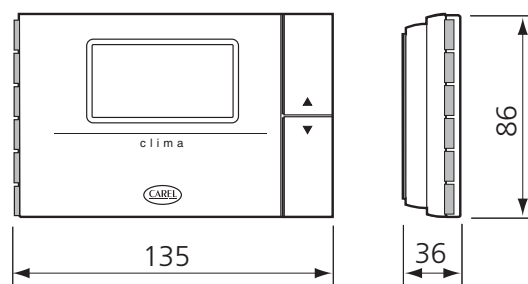
## Technical specifications

Power supply	24 Vac/dc, -15 to +10%, 50/60 Hz or directly from compactSteam
Power input	3 W
Digital inputs	1 multifunction: alarm from compactSteam, remote ON/OFF, cooling/heating selection, alternative set point (sleep) With optional optical isolation
Analogue inputs	1 x inbuilt temperature or temperature + humidity 1 x remote NTC
Analogue outputs	1 x 0 to 10 V
Digital outputs	2 x 230 V, 5 A relays
Optional serial interface	Modbus® / CAREL over RS485
Operating range	10T60 °C
Temperature and humidity set point	15T30 °C, 30 to 70% r.H.
Operating conditions	-0T60 °C, 10 to 90% r.H. non-condensing
Storage conditions	-25T70 °C, 10 to 90% r.H. non-condensing
Index of protection	IP20

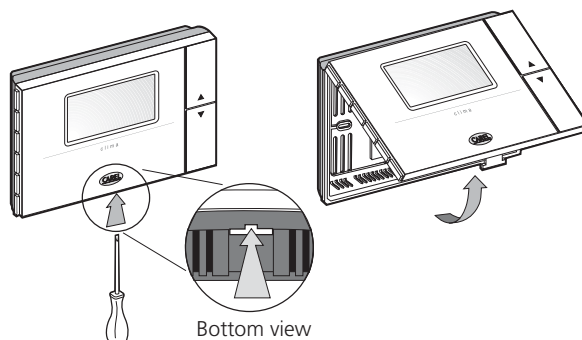
## Wiring diagram



## Dimensions



## Assembly



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