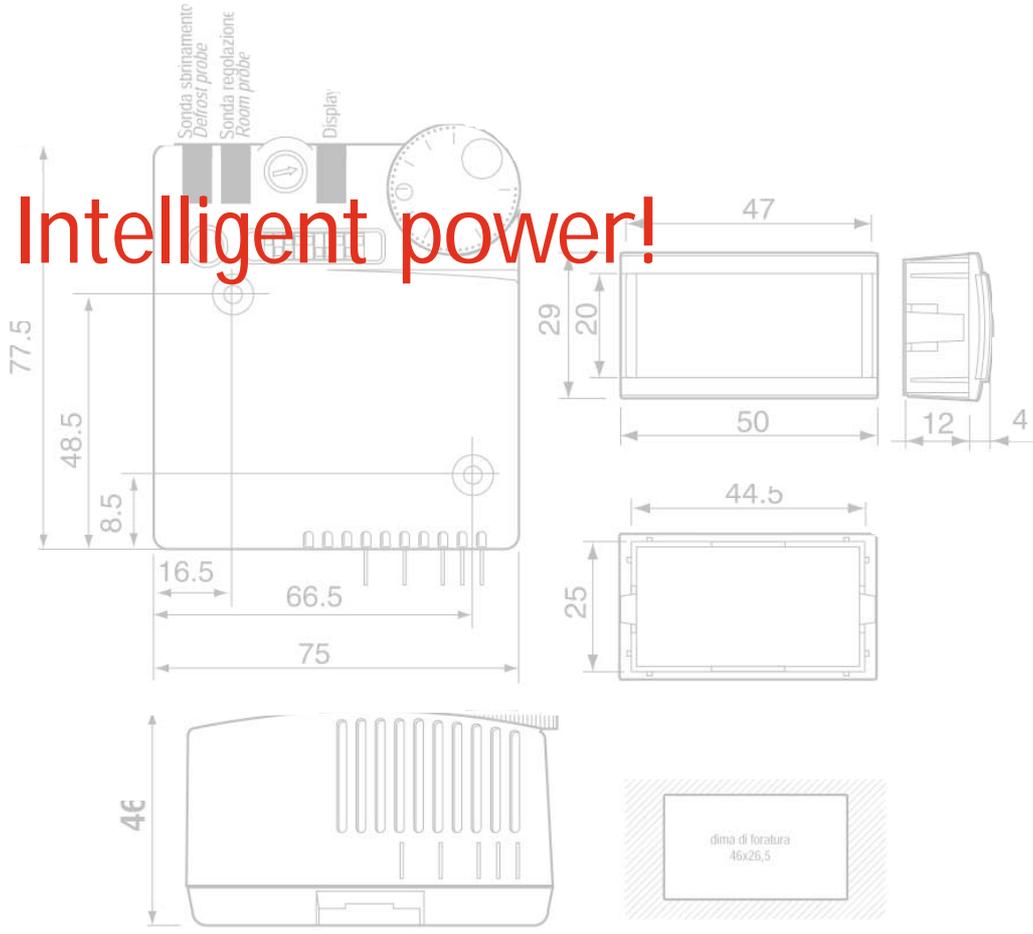
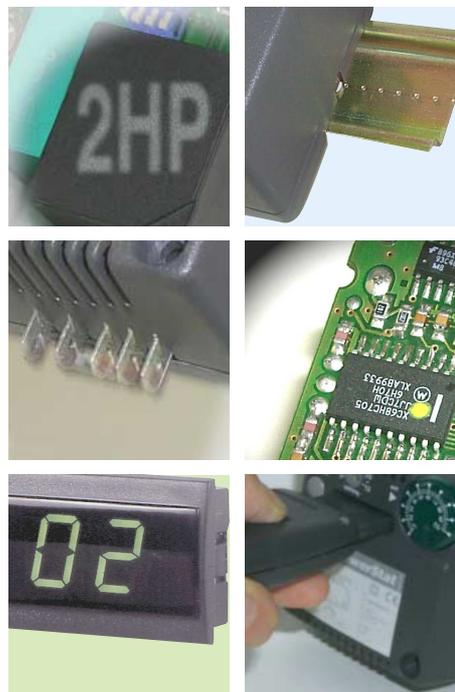
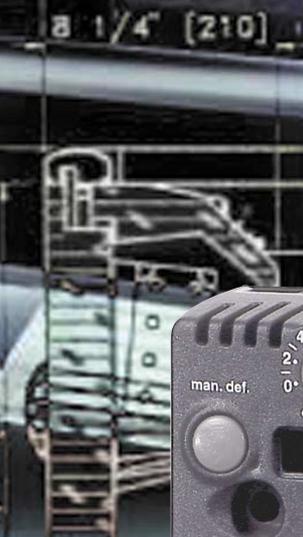


" plug-in " microprocessor control for the management of commercial coolers

Intelligent power!



CAREL
Technology & Evolution



The new **powerStat** range is dedicated to the management of wall cabinets, showcases, display windows and generally of all refrigerated units, combining **the precision of electronics with the simplicity and low cost typical, until recently, of electromechanical regulation.**

Regulation is completely managed using **microprocessor** control.

The use of NTC probes, as well as allowing remote installation of the probes at distances of up to 50 metres, also eliminates the problems

involving the insertion of the capillary into the regulated environment.

All the powerStat models can manage compressors of up to 2HP, feature display repeaters, and can be panel mounted, using the relative kit.

powerStat is available in an OEM version, supplied with a programming key for rapid custom configuration (the measurement scale can even be adapted according to the required regulation range!) as well as a dip-switch version.



2HP relay

The unit allows direct control of refrigerated units with up to 2HP single-phase compressors (FLA 12, LRA 72). The defrost/fan relay is also oversized in comparison to other units on the market, as it can handle up to 4kW heaters.



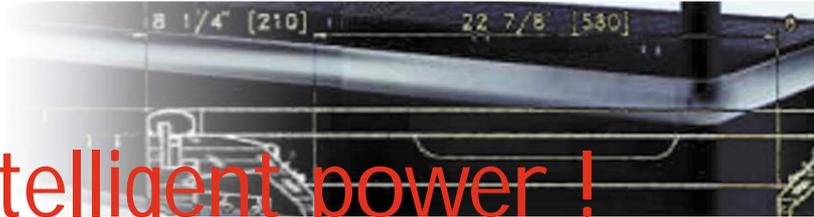
Microprocessor

The microprocessor ensures accuracy and reliability throughout the various regulation phases. Thanks to this component, features such as dripping, compressor protection time and controlled defrost can be managed, the regulation scale can be set according to the requirements of the user, the set-point can be shown on the display, as well as the numerous other advantages typical of parametric controllers.



Fast connectors

The fast probe and power connectors allow the installation of the instrument without requiring special tools in the field, significantly reducing the assembly times for mass production.



... intelligent power !



Programming Key

This object is indispensable for mass production, yet it can also be used in the field for fast, safe and immediate programming of manufacturer-set parameters.



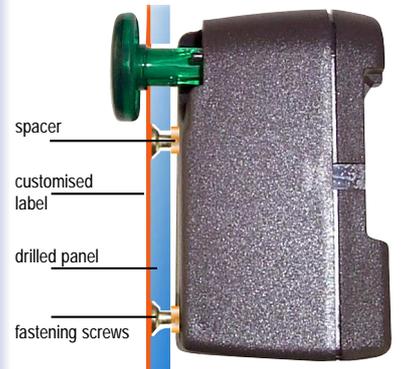
Display

All **powerStat** controllers enable control of the repeater display, for a clear reading of the regulation temperature and any alarm signals; this accessory is available with two different cable lengths (2m and 3m); the printed circuit is completely housed in the plastic case, in order to ensure complete protection against humidity and condensation.

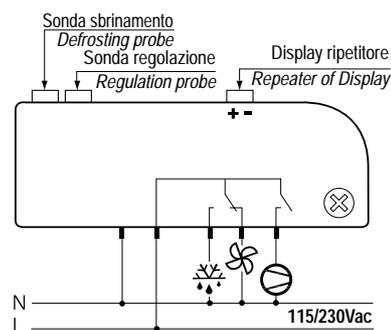
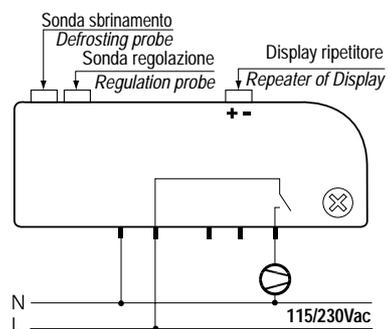
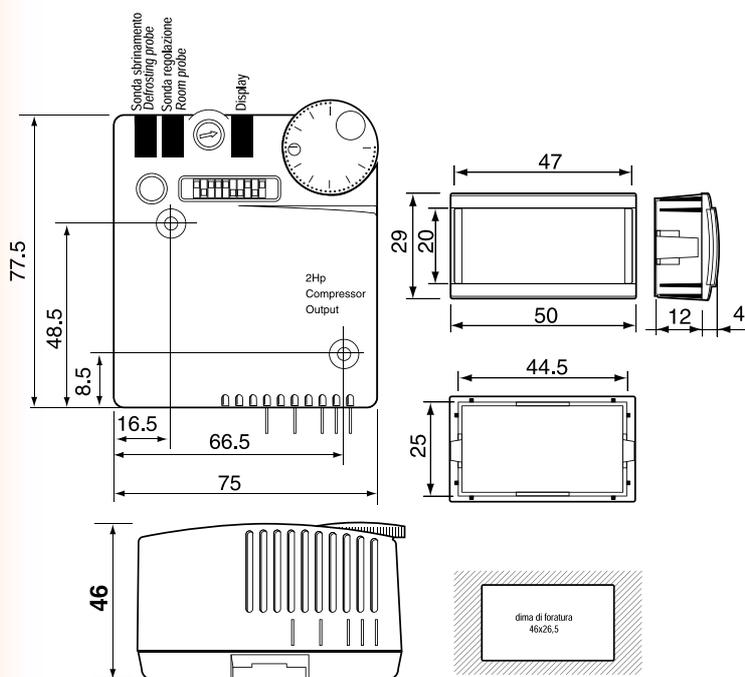


Mounting

In order to meet all the demands of electrical panels, which require ever more compact dimensions, there are three ways to mount this instrument: square bottom mount, thanks to the screw through holes; DIN rail; or rear panel mounting using the special kits, which can also be customised with the customer's company logo and graphics.



Dimensions and wiring diagrams



Models and accessories

Normal temperature

- TTC1000000 1 relay output 2HP, programming with key
- TTC1D00000 1 relay output 2HP, dip-switch programming

Low temperature

- TTC4000000 2 relay outputs, compressor 2HP and defrosting
16A, programming with key
- TTC4D00000 2 relay outputs, compressor 2HP and defrosting
16A, dip-switch programming

Accessories

- TTESTNT000 kit for panel mounting -10/20 °C
- TTESTLT000 kit for panel mounting -35/10 °C
- TTEST00000 kit for neutral scale panel mounting 1/10
- NTC030HPOT temperature probe with connector,
3m -50/50 °C, IP67
- TTKEY00000 programming key

