

CAREL



 **plug-in**

powercompact small ...integrated high technology!

powercompact small is the ideal solution for applications where there is a limited space available for mounting the controller: a depth of just 40 mm is required inside the electrical panel.

The modern technology applied by CAREL has allowed the incorporation of a switching power supply.

With this new technology not only can the controller be powered at either 115 or 230 Vac, but the resultant significant reduction extends the temperature operating limits of the instrument in terms of the outside conditions (outside temperature limit of 65 °C).

The **powercompact** range comprises a version for normal temperature cabinets, and two versions for low temperature applications, including the Top model fitted with real time clock.

All the versions feature a power relay to control up to 2 Hp refrigeration compressors.



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General hardware characteristics

- Buzzer as standard on all models;
- 115/230 Vac switching power supply on all models;
- possibility for all models to connect HT type NTC probes, for measuring temperatures up to 150°C;
- digital inputs configurable for the connection of NTC probes;
- infrared option for using the remote control;
- models fitted with real time clock for defrost and HACCP functions;
- possibility to download/read the parameters via programming key;
- high-efficiency red LED display with icons.

General software characteristics

- Condenser probe management;
- smart defrost in different modes;
- management of HACCP functions;
- possibility to configure the auxiliary relay as a second delayed compressor;
- same user interface and parameters as the current powercompact range;
- pump-down management;
- automatic serial address assignment procedure;
- keypad lock can be selected for individual functions or buttons;
- defrost management on 2nd evaporator.

Table of codes

	USCITE				INGRESSI				HACCP	PLUS						
	compressore	defrostamento	evaporatore evaporatore	light //aux11	temperatura evaporatore	temperatura evaporatore	ingrandimento	ingrandimento		ingrandimento	ingrandimento	ingrandimento	ingrandimento	ingrandimento	ingrandimento	ingrandimento
115/230 Vac																
PB00S0SA50	30 A			8 A	●	●	●	●	●	●	●	●	●	●	●	●
PB00C0SN50	30 A	8 A	5 A	5 A	●	●	●	●	●	●	●	●	●	●	●	●
PB00C0SB50	30 A	8 A	5 A	5 A	●	●	●	●	●	●	●	●	●	●	●	●

Options

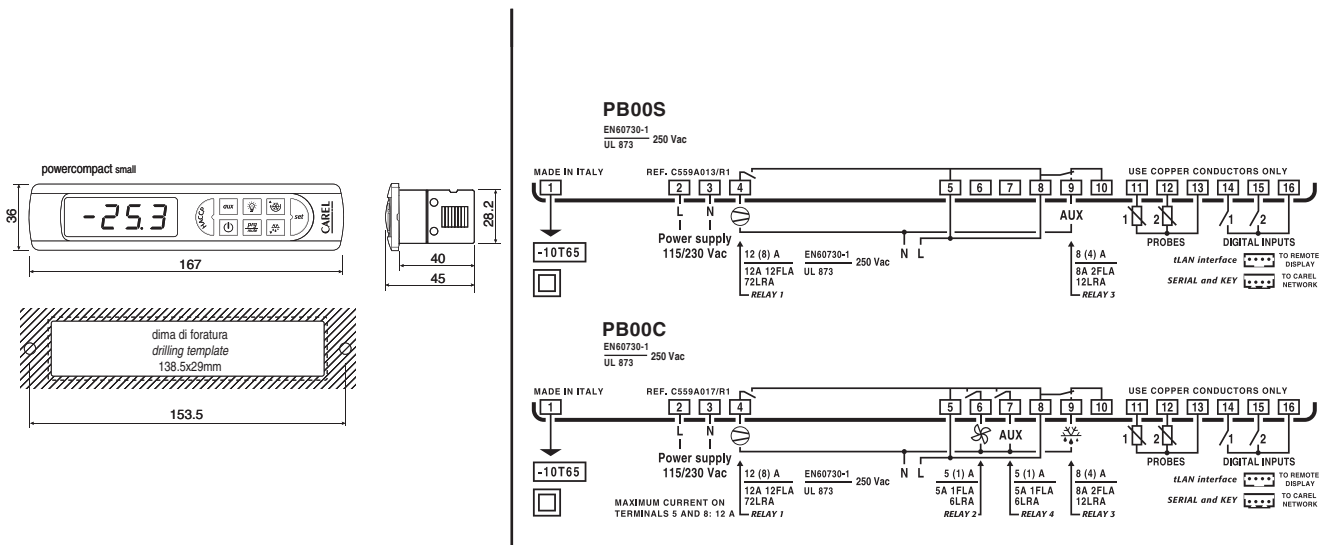
PSOPZKEY00: programmazione batteria
 PSOPZKEYA0: programmazione potenza alimentatore
 PSOPZPGR00: programmazione

IROPZ48500: RS485 serial card
 IRTRES000: rete seriale

Probes

NTC015HP00: 1.5 m (-50T100 °C)
 NTC030HP00: 3 m (-50T100 °C)
 NTC015HT00: 1.5 m (0T150 °C)
 NTC030HT00: 3 m (0T150 °C)

Assembly and wiring diagrams



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