

naturally easy

CAREL



 easy

T e c h n o l o g y & E v o l u t i o n

refrigeration: our natural environment





CAREL, the leader in cooling control, offers the refrigeration market the best of its parametric controller technology in one innovative product: **easy**.

Our in-depth knowledge of the applications in this sector long with the needs of the market has allowed CAREL to design a technologically advanced product with a simple approach.

easy is the expression of CAREL's decades of experience in refrigeration and the special care it has always paid to details.

With **easy**, CAREL offers the market a product designed specifically for refrigeration control for bar, catering, display cabinet and refrigerated showcase applications, designed based on feedback "from the field", with an elegant and modern design.

easy is a range with a wide choice of models, including a compact version that is ideal for environments in which space is a crucial element.

easy is the best choice for simply and effectively managing the complex world of refrigeration control.

easy: the shape of simplicity

"easy simplifies the initial configuration phase of the unit and features new technology for creating special models with custom functions..."



ON/OFF function: the unit can be switched ON/OFF either from digital input or directly from the keypad.

Flat keypad: the keypad is one of the most innovative aspects of this instrument. The completely flat surface allows easy cleaning and ensures greater hygiene, in complete compliance with the HACCP directive.



High efficiency display: to ensure greater visibility and simplify the reading of the values and the operating status, the height of the digits has been increased by 27% compared to traditional displays. Decimal resolution is available on all easy and easy compact models. **easy** is available with red, green or blue LED display.



easy to set

easy programming of the parameters, with 4 predefined sets of parameters available



easy to install

easy installation using the front mounting system



easy to plug

easy wiring, thanks to the built-in transformer and the relays with power rating up to 2 Hp.



easy to choose

easy to identify the best solution, thanks to the vast range of models available

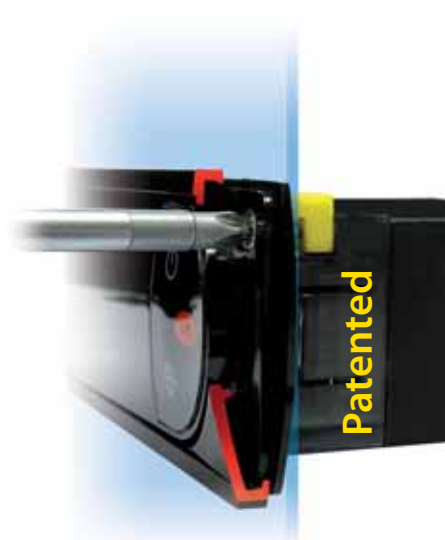


easy compact is the ideal solution for applications where the space available for housing the controller is limited: the depth occupied internally is just **31 mm**, while still featuring **2 Hp** relay outputs for the control of refrigeration compressors without requiring additional intermediate relays.

Front mounting and customisation: CAREL was the first to introduce the innovative front mounting system, faster and more practical than the traditional method, available as standard on all models.

The removable faceplate can be customised, allowing the instruments to be perfectly integrated with the design of the application.

Front panel IP65: the high index of protection (IP65) means easy can also be installed in more humid and aggressive environments. Special care has been paid to the development of the front panel, with integrated gasket and flat keypad. A special adhesive is also available for protecting the instrument against dripping and/or condensate that may form inside the electrical panel.



easy to customise
even the software is easy to customise, thanks to its flexible design



easy to clean
easy to clean, thanks to the perfectly flat keypad



easy to read
easy to read, high efficiency display and digits that are 27 % larger than traditional displays



Accessories



Temperature probes with NTC thermistor

The precision achieved due to the technical solutions adopted in the development of the sensor, and the reliability resulting from the tests performed, make the CAREL NTC probes reliable and affordable transducers for measuring temperature.



Removable faceplate

Nowadays it is essential on the latest generation instruments to be able to customise the appearance of the controller by simply replacing the faceplate, adding the desired colour or the company logo.



RS485 serial connection

easy can be connected to a supervisory system via RS485 network, using an external connection module. This is simply plugged in to the connector that is normally used for the programming key, whenever the application requires.



VPM Visual Parameter Manager

This is a kit made up programming key, USB converter and software for managing special configurations. Using a PC, the selected configuration can be loaded directly onto the key, which is then used to program the instrument.

(*) VPM will be available for easy at the end of 2007

Parameter programming

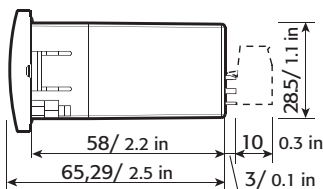
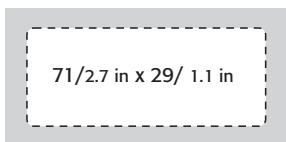
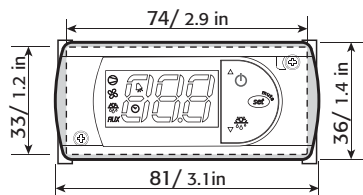
easy can be programmed quickly, even when not powered, reducing the risk of errors, using the special programming key. This accessory ensures optimised management of the product codes and can be used for fast and effective service and programming the instrument in just a few seconds, even during the testing phase at the end of the production line.



Models	compressor	defrost	evaporator fans	auxiliary output	room temperature	defrost temperature	digital input/probe 3	RTC	serial output	display	buzzer	front mounting	brackets	plug-in terminals
easy compact 230 Vac *	PJEZMNN0E0	-	-	-	-	-	-	-	-	red	-	•	-	-
	PJEZSNP0E0	16 A	-	-	-	-	-	-	-	red	-	•	-	-
	PJEZSNP010	16 A	-	-	-	-	-	-	•	red	-	•	•	-
	PJEZSNP000	16 A	-	-	-	-	-	-	•	red	-	•	•	•
	PJEZSNH0E0	2 Hp	-	-	-	-	-	-	-	red	-	•	-	-
	PJEZSNH010	2 Hp	-	-	-	-	-	-	•	red	-	•	•	-
easy 12 Vac	PJEZS002E0	8 A	-	-	-	-	-	-	-	red	•	•	-	-
	PJEZY002E0	8 A	8 A	-	-	-	-	-	-	red	•	•	-	-
easy 115 Vac	PJEZS00100	8 A	-	-	-	-	-	-	-	red	•	•	•	•
	PJEZS0P1E0	16 A	-	-	-	-	-	-	-	red	•	•	-	-
	PJEZS0P100	16 A	-	-	-	-	-	-	•	red	•	•	•	•
	PJEZSOG100	2 Hp	-	-	8 a	-	-	-	•	red	•	•	•	•
	PJEZC00100	8 A	8 A	8 A	-	-	-	-	-	red	•	•	•	•
easy 230 Vac	PJEZM0N010	-	-	-	-	-	-	-	-	red	•	•	-	-
	PJEZS000E0	8 A	-	-	-	-	-	-	-	red	•	•	-	-
	PJEZS00000	8 A	-	-	-	-	-	-	•	red	•	•	•	•
	PJEZSOP0E0	16 A	-	-	-	-	-	-	-	red	•	•	-	-
	PJEZSOP000	16 A	-	-	-	-	-	-	-	red	•	•	•	•
	PJEZS0A000	8 A	-	-	8 A	-	-	-	-	red	•	•	•	•
	PJEZS0H000	2 Hp	-	-	-	-	-	-	-	red	•	•	•	•
	PJEZSOG000	2 Hp	-	-	8 A	-	-	-	-	red	•	•	•	•
	PJEZSOGG00	2 Hp	-	-	8 A	-	-	-	-	green	•	•	•	•
	PJEZS0GB00	2 Hp	-	-	8 A	-	-	-	-	blue	•	•	•	•
	PJEZX00000	8 A	8 A	-	-	-	-	-	-	red	•	•	•	•
	PJEZY00000	8 A	8 A	-	-	-	-	-	-	red	•	•	•	•
	PJEZY00010	8 A	8 A	-	-	-	-	-	-	red	•	•	•	-
	PJEZY0H000	2 Hp	8 A	-	-	-	-	-	-	red	•	•	•	•
	PJEZC00000	8 A	8 A	8 A	-	-	-	-	-	red	•	•	•	•
	PJEZCOP000	16 A	8 A	8 A	-	-	-	-	-	red	•	•	•	•
	PJEZCOM000	2 Hp	8 A	8 A	-	-	-	-	-	red	•	•	•	•
	PJEZCOMG00	2 Hp	8 A	8 A	-	-	-	-	-	green	•	•	•	•
PJEZCOMB00	2 Hp	8 A	8 A	-	-	-	-	-	blue	•	•	•	•	

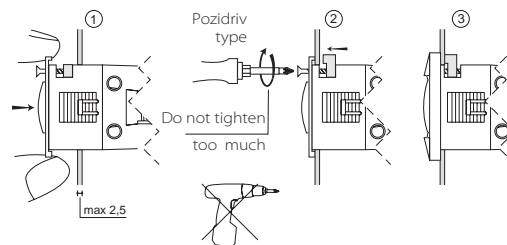
(*) available from June 2007

Dimensions (mm)

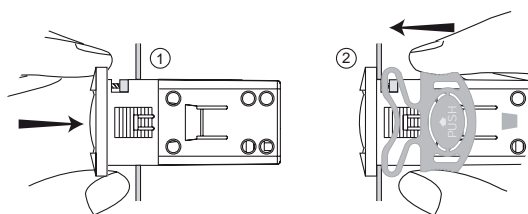


Panel installation

Front panel (with 2 screws 101x151 mm)

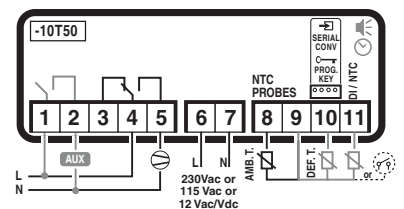


From the rear (with 2 rear brackets)

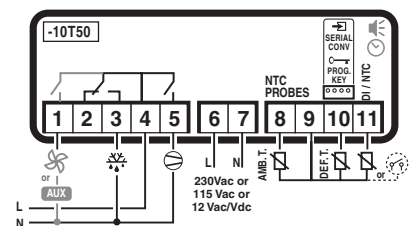


Wiring diagram

PJEZ(S, X)*



PJEZ(C, Y)*





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