

# CAREL



controllers for refrigeration and retail  
refrigeration controllers



easy cool & easy freeze  
electronic controllers for plug-in  
showcases and cabinets

[carel.com](http://carel.com)

# easy cool & freeze: the new easy range digital controllers conceived and designed for installers

Fast and simple instrument configuration, with all the parameters needed to start the unit factory-programmed

## Save time!

- Controller factory programmed and ready to be used;
- NTC room probe included (defrost probe included for "easy freeze" model only) depending on the model, check that the probes are included in the packaging;
- Limited number of parameters
- dedicated instruction sheet

The controller comes with a **specific instruction sheet**, describing assembly details, probe and actuator connections and configuration parameters.

The pleasant appearance, combined with the IP65 level of protection, make easy cool and easy freeze the ideal solutions for plug-in showcases, display cases and cabinets in professional kitchens and catering applications.

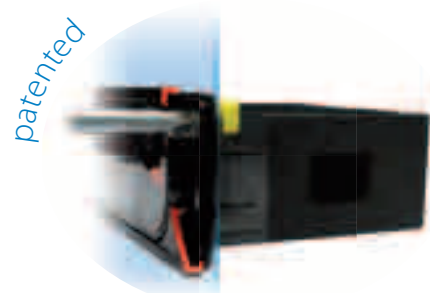
The controller is supplied already programmed and ready to use.

## The high index of protection (IP65)

Means easy cool & easy freeze can be installed in humid and aggressive environments. A stick-on cover is also available to protect the instrument against dripping and/or condensate.

## Quicker and more practical front mounting

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



### easy to set

thanks to the limited number of parameters



### easy to install

thanks to the probe included in the packaging



### easy to choose

just two models to choose from for all applications

easy cool - the ideal solution for static plug-in refrigeration units at normal temperature (above 0 °C)

Thermostat with preloaded set point (+3 °C) and defrost by stopping the compressor.

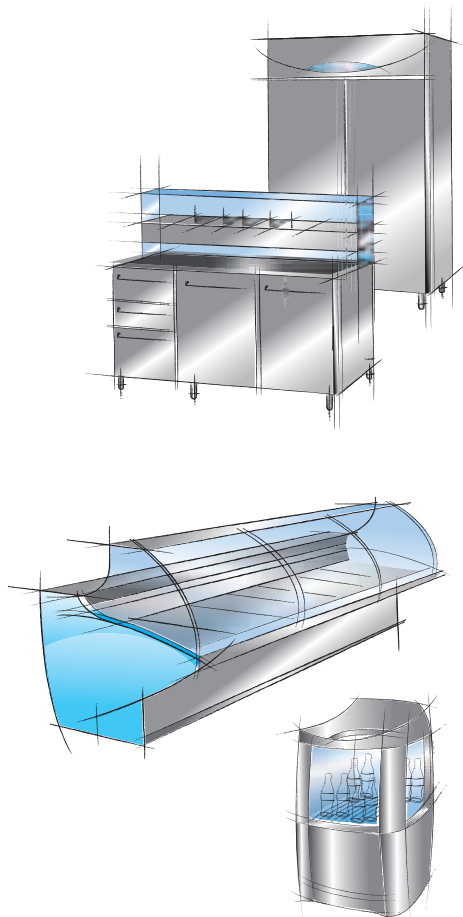
The following parameters are accessible on entering the password:

- control;
- compressor protection;
- defrost;
- alarms.

The controller can be fully programmed using just **19** parameters.

*Esempi di banco, vetrina, armadio refrigerati a spina e bottle cooler*

**set +3 °C**



easy freeze - the ideal solution for ventilated plug-in refrigeration units at low temperature (below 0 °C)

Temperature controller with preloaded set point (-18 °C), defrost by temperature and evaporator fan management.

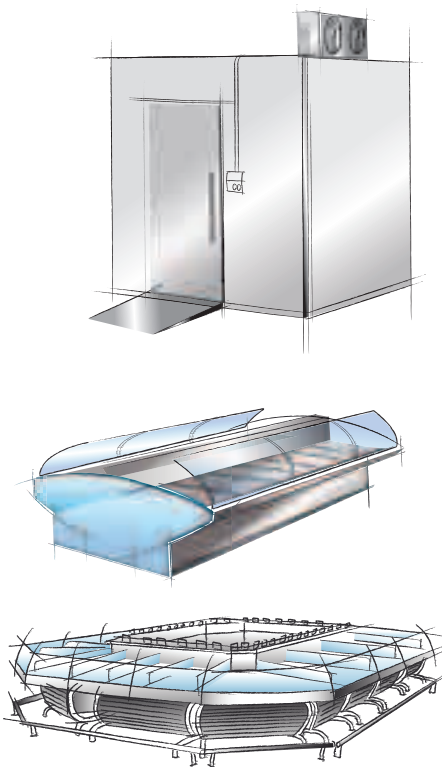
The following parameters are accessible on entering the password:

- control;
- compressor protection;
- defrost;
- evaporator fan management;
- alarms.

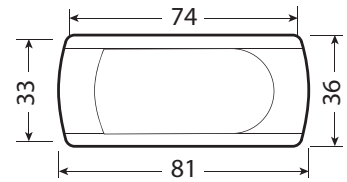
The controller can be fully programmed using just **27** parameters.

*Esempio di cella, isola refrigerata e banco in bassa temperatura a spina*

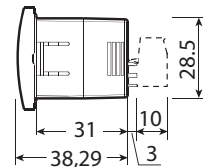
**set -18 °C**



Dimensions in mm

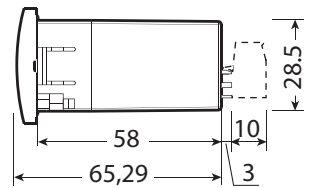


easy cool (cod. PZD\*S\*P0\*1)



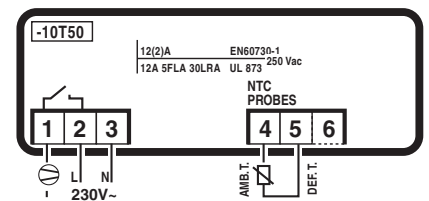
for the French version refer to the size of easy freeze

easy freeze (cod. PZD\*C0P001)

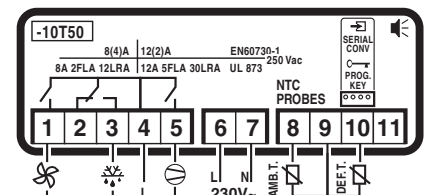


Wiring diagrams

easy cool (cod. PZD\*S\*P0\*1)



easy freeze (cod. PZD\*C0P001)



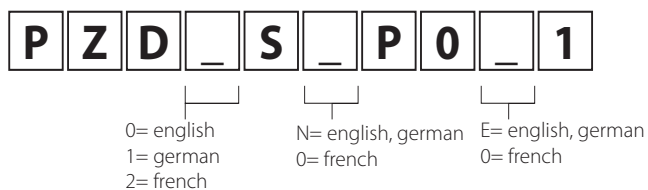
# Technical specifications

Description	easy cool	easy freeze
Code	PZD*S*P0*1	PZD*C0P001
Relay	compressor 16 A	compressor 16 A defrost 8 A evaporator fans 8 A
Probes	room temp. probe included in the packaging * (NTC 1.5 m)	room and defrost temp. probes included in the packaging * (2 x NTC 1.5 m)
Control	pre-configured to reduce unit start-up times	
Display	large, +27% bigger than standard display, plus compressor icon	large, +27% bigger than standard display, plus compressor, defrost and evaporator fan icons
Alarm	high and low temperature alarm signals	
ON/OFF and defrost functions	accessible directly from the keypad	
Initial configuration	possibility to restore the initial configuration	
Keypad	ergonomic keypad with pleasant appearance	
Certification	CE & UL	
Drilling template	71x29 mm	71x29 mm

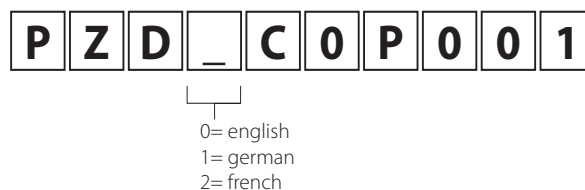
\*\* depending on the model, check that the probes are included in the packaging

## Codes

### easy cool



### easy freeze



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## Sales organization

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