

Easy Cool & Easy Freeze Controllers

The Easy Cool and Easy Freeze refrigeration controllers are simple, pre-programmed controllers for use in refrigerated units, display cases and chiller cabinets. The controllers are supplied with the required one or two 1.5 metre long NTC thermistor probes.

The controllers are powered from 230Vac, feature a simple, limited number of programming parameters and can also be programmed rapidly using the optional plug-in programming key.

The controllers are housed in a compact panel mounting enclosure and can be installed from the front of the panel using the plug-in terminals.

Models Available

PZD0SNP0E1 Easy Cool Controller

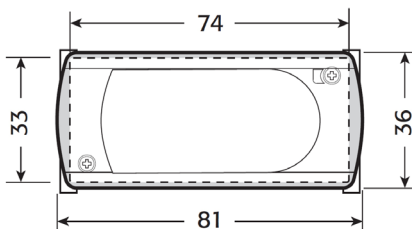
PZD0C0P001 Easy Freeze Controller

Product Features

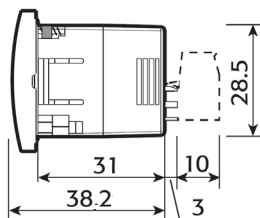
- Supplied programmed and ready to use
- NTC thermistor probe(s) included
- High and low temperature alarm signals
- Panel mounting
- IP65 enclosure
- 230Vac powered
- Plug-in terminals
- Front panel mounting system
- Dedicated simple instruction sheet

For digital monitoring and control of refrigerated units or display cases

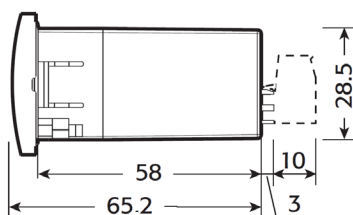
Dimensions



Easy Cool



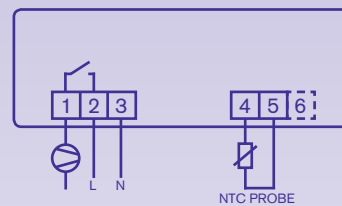
Easy Freeze



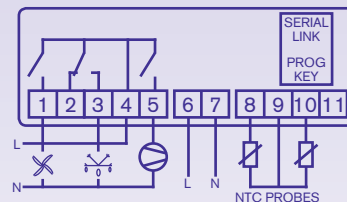
Panel cutout 71 mm x 29mm (-0.0/+0.5)

Connections

Easy Cool PZD0SNP0E1



Easy Freeze PZD0C0P001



Ordering information

Model	Code	Description
	PZD0SNP0E1	Easy Cool Digital Refrigeration Controller For use on static refrigeration units at temperatures above 0°C (supplied with one NTC thermistor temperatures above 0°C (supplied with one NTC thermistor probe)
	PZD0C0P001	Easy Freeze Digital Freezer Controller For use on ventilated plug-in refrigeration units with compressor, defrost and fan control, at temperatures below 0°C (supplied with two NTC thermistor probes)

Options	Code	Description
	IROPZKEY00	Programming key with battery
	IROPZKEYA0	Programming key with 230V power supply
	IROPZ485S0	RS485 serial communication interface

Example	PZD0SNP0E1

Options**Programming Key**

The PJ Easy controllers can be programmed quickly using the optional programming key, even when not powered, reducing the risk of errors.

Specification**Accuracy:**

- $\pm 1^{\circ}\text{C}$

Power Supply Voltage:

- 230Vac (-15/+10%)

Frequency:

- 50/60Hz

Burden:

- <3.5VA

Inputs:

- 1 or 2 NTC inputs (10kohm @ 25°C)
- 1.5 metre NTC probe(s) included

Scale Range:

- -50 to +90°C (-58 to +194°F)

Resolution:

- 0.1°C/°F

Relay Output(s):

- Compressor 12A (resistive)
- Defrost 8A (resistive)
- Evaporator fans 8A (resistive)

Operating Temperature & Humidity:

- -10°C to 50°C
- <90% rH (non-condensing)

Storage Temperature & Humidity:

- -20°C to 70°C
- <90% rH (non-condensing)

Enclosure Code:

- Case IP65

Weight:

- Easy Cool: 160g
- Easy Freeze: 250g

Markings:

- CE marked (meets EN61010-1 low voltage and EN50081-1/50082-1 EMC directives)

Specification subject to change without notice.

Tempatron: Eltime House, Hall Road, Maldon, Essex, CM9 4NF UK.

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