Pt100 On/Off Temperature Controller

Description

An easy-to-use single set point temperature controller with a 16A rated relay output for on/off control, with selectable heating and cooling modes.

The large 14mm red LED 4-digit display provides a high visibility digital indicator that can be easily wiped clean due to its high quality IP65 fascia.

Setting the desired temperature is easy thanks to the simple panel controls, whilst the programmable control modes with adjustable offset and hysteresis allow accurate and reliable temperature control.

The controller features a single 16A output and adjustable internal buzzer for alarm/sensor defect.

Features

- Pt100 RTD sensor inputs
- Easy temperature adjustment
- Selectable heating or colling function
- On/Off control with 16A relay
- Large display and internal buzzer

Application

- Plastic extrusion
- Injection moulding machines
- Thermo-forming machines
- Packaging machines
- Food & Beverage
- Laboratory equipment

Specification

Product	On/Off Temperature Controller
Dimensions	76mm x 34.5mm x 71mm
Protection	NEMA 4X (IP65 at front, IP20 at rear)
Supply	100-240Vac 50/60Hz or 10 – 30 Vdc 1.5W
Sensor Input & Range	Pt100 (-50°C...400°C)
Accuracy	± % 1 of full scale
Control Types	ON/OFF
Sample Rate	3 readings per second
Relay Output	16(8)A@250 Vac at resistive load
Part Number	ESM-3710-N

Front Panel

For more information visit:
sterlingsensors.co.uk

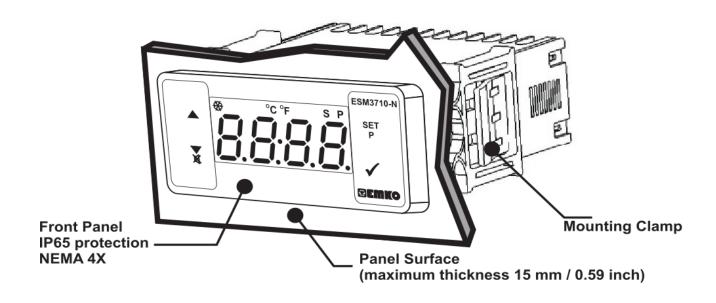# Additional Information

Front Panel
IP65 protection
NEMA 4X

Mounting Clamp

Panel Surface
(maximum thickness 15 mm / 0.59 inch)

ESM3710-N

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SET
P

EMKO

34,5 mm / 1.36 inch

76 mm / 3 inch

Maximum 15 mm / 0.59 inch

6 mm / 0.24 inch

65 mm / 2.56 inch