

# PID Temperature Controller



Made in the UK 

## Description

A Precision PID Temperature & Process controller for use with type K, J, N, R, S, B & T thermocouples, or 3-wire Pt100 RTDs.

The P116 has a high visibility 1/16 DIN three colour LED dual display with alarm indication, that can be easily wiped due to its high quality IP65 facia.

The controller features two dual output options; logic and relay or relay and analogue.

This model has a power supply of 100 – 230V ac. The unit is housed in a compact 48mm x 48mm plastic enclosure with an IP65 front panel.



## Features

- High visibility three colour LED display
- Heater failure detection
- Accuracy  $\pm <1\%$  of Reading
- Wipeable Front Panel
- IP66 Rated (Suitable for harsh environments)

## Application

- OEM
- Food & Beverage
- Plastics Extrusion
- Furnaces & Ovens

## Specification

Product	PID Temperature Controller
Range	-210 to + 1820°C
Operating Temperature	Ambient 0 to + 55°C
Humidity Limit	0 to 90% RH non condensing
Power Supply	100 – 230 V ac
Accuracy	$\pm (<1\% \text{ of Reading} + <100\mu\text{A})$
Sample Rate	Sample rate: 4Hz(250ms)
Sensor Types	Thermocouple - K, J, N, R, S, B, T RTD – 3-Wire Pt100
Output Type	Logic & Relay or Relay & Analogue
IP Rating	IP65
Dimensions	48mm x 48mm (1/16 DIN)
Weight	250g
Panel Depth	98mm
Part Number	P116

For more information visit:

**[sterlingsensors.co.uk](http://sterlingsensors.co.uk)**



**Sterling Sensors UK Ltd**

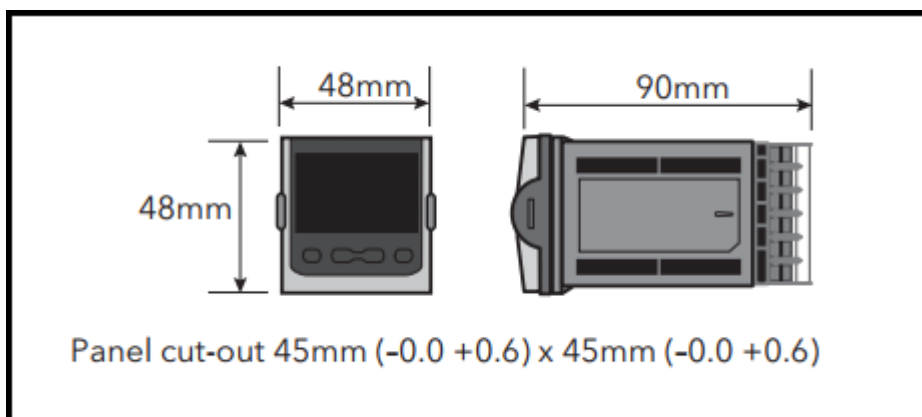
Fitmec Works :: Hawksley Street :: Oldham  
United Kingdom :: OL8 4PQ

T: +44 (0) 161 620 0410 F: +44 (0) 161 627 0507 E: [sales@sterlingsensors.co.uk](mailto:sales@sterlingsensors.co.uk) W: [sterlingsensors.co.uk](http://sterlingsensors.co.uk)

# Additional Information



## Dimensions



## Specification

Product	PID Temperature Controller
Range	-210 to + 1820°C
Operating Temperature	Ambient 0 to + 55°C
Humidity Limit	0 to 90% RH non condensing
Power Supply	100 – 230 V ac
Accuracy	± (<1% of Reading + <100µA)
Sample Rate	Sample rate: 4Hz(250ms)
Sensor Types	Thermocouple - K, J, N, R, S, B, T RTD – 3-Wire Pt100
Output Type	Logic & Relay or Relay & Analogue
IP Rating	IP65
Dimensions	48mm x 48mm (1/16 DIN)
Weight	250g
Panel Depth	98mm
Part Number	P116

For more information visit:

**[sterlingsensors.co.uk](http://sterlingsensors.co.uk)**