# 79 77 77 MODELS

Ovens

Chillers

Sterilisers

Trace heating

Heat sealing

# with improved





**Model 2132** 1/32 DIN (48 x 24mm)

**Model 2116** 1/16 DIN (48 x 48mm)

# **PID Temperature Controllers**

Available in compact 1/32 and 1/16 DIN panel sizes, the 2132 and 2116 temperature controllers are designed for accurate, trouble free control of ovens, chillers, sterilisers and other simple heating and cooling processes. Two outputs are configurable for heating, cooling and alarms.

Eurotherm's advanced control techniques give stable "straight-line" temperature control. Self tuning is included to optimise the control performance without the need for specialist knowledge or training. Heater failure can be detected when the controller is used with a Eurotherm TE10S Solid State Relay (requires PDSIO mode 1).

Three internal alarm setpoints are provided, configurable as latching or non-latching. Alarms can be "blocked" on start-up to prevent unnecessary operator alerts.

Calibration accuracy is maintained with a self-correcting input circuit. User calibration allows offsets to be applied to compensate for sensor and other system errors.

### Improved timer

An improved timer can apply heating (and cooling) for a pre-set period, or delay heating to come on after a set time. The latter is useful for over-night batch processing.

## Features:

- Universal input
- Self tuning
- In-built timer
- Setpoint rate limit
- Tactile buttons
- Wide-range 85-264V ac, or 20-29Vac/dc supply
- · Plug-in from front
- IP65 and NEMA 4X panel sealing
- Three year warranty

Covers a wide range of temperature and process inputs

Easy commissioning

Sets heating/cooling times

Provides ramp-dwell heat treatment profile

Friendly to use

Can be installed world-wide

Rapid replacement - reducing downtime

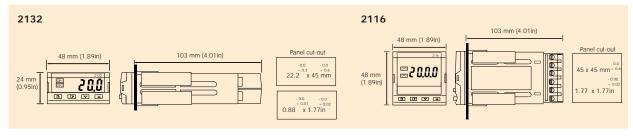
Can be used in wet and dusty atmospheres

Low ownership cost

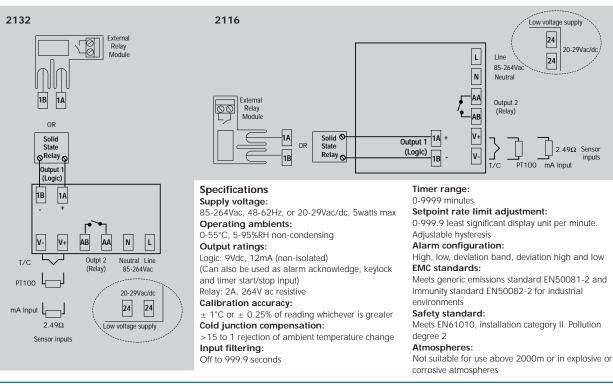


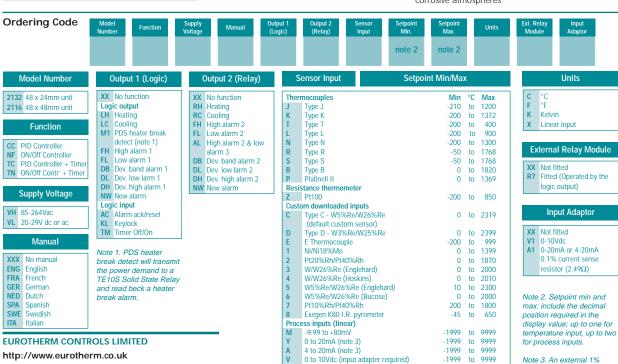
PID Temperature Controllers

### **Dimensions**



### **Electrical connections**





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current sense resistor is supplied as standard. If greater accuracy is required

specify 'A1' in the Input

Adaptor field.