

### CAL 32E Temperature Controller 1/32nd DIN, Entry Level Model

**Inputs**

Thermocouple types: B,E,J,K,L,N,R,S,T  
Resistance Thermometer: Pt100, 2-wire or 3-wire

**Outputs**

SSd (Solid State Relay Driver): 5Vdc +/-15% 10mA non-isolated.  
Relay: Form A (SPST) max 2A/250ac resistive load

**Display**

Displays: Process Value & Output status indicators  
Display Range: -199 to 9999 or -199.9 to 999.9 (1 or 0.1 resolution)  
Display Units: °C or °F

**Environmental**

Ambient: 0-50°C (32-130°F), 80% max. humidity  
Fascia Protection: IP66, NEMA 4X  
Supply Voltage: 90 - 264Vac, 45-66Hz

**Dimensions**

Front fascia: 50 x 26 mm  
Length: 116.2mm overall, 103mm behind panel  
Panel Cut-out: 45 x 23mm



**CAL 32E - £89.00**

Fixed build OEM standard model, no additional options available

- Full PID auto-tuning
- Alarm with 5 options
- Sleeve mounting for easy maintenance
- Removable Rear Terminal Block
- Backwards compatible with CAL 3200
- IP66 protection on front panel
- CE & UL approvals

### CAL 3300 Temperature Controller with Single Program

From £114.00

The CAL 3300 is also available and features heat-cool operation and one ramp & soak program. On the CAL 3300 additional options are available including: choice of output, supply voltage and comms & software interface. UKAS calibration and configuration is available from TMS on this model.



### CAL 9500PL Programmable Temperature Controller 1/16th DIN, Entry Level Model

**Inputs**

Thermocouple Types: B,E,J,K,L,N,R,S,T  
Resistance Thermometer: Pt100, 2-wire or 3-wire

**Outputs**

SSd (Solid State Relay Driver): 6Vdc (nominal) 20mA non-isolated.  
Relay: Form A (SPST) max 2A/250ac resistive load

**Programmer**

4 Programs with 16 Segments

**Display**

Displays: Process Value, Setpoint & Output status indicators  
Display Range: -199 to 9999 or -199.9 to 999.9 (1 or 0.1 resolution)  
Display Units: °C or °F

**Environmental**

Ambient: 0-50°C (32-130°F), 95% max. humidity  
Fascia Protection: IP66, NEMA 4X  
Supply Voltage: 90 - 264Vac, 45-66Hz

**Dimensions**

Front fascia: 51.0 x 51.0mm  
Length: 116.2mm overall, 106.7mm behind panel  
Panel Cut-out: 45 x 45mm



**CAL 9500PL - £109.00**

Fixed build OEM standard model, no additional options available. This product is only available online from the TMS Webshop.

- Programmer operation
- Full PID auto-tuning
- Alarm with 5 options
- Heat-cool operation
- Sleeve mounting for easy maintenance
- IP66 protection on front panel
- CE, UL & CSA approvals

### CAL 9500P Programmable Temperature / Process Controller from £155.00

The CAL 9500P is also available with other input and output options, including analogue signals (4 – 20mA, 0 – 10V, etc), choice of supply voltage and also optional comms and software interface. UKAS calibration and configuration is available from TMS on this model.

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