CAL 3200

CAL3200 combines a compact 1/32nd DIN size (48x24mm) with many of the features you would expect from larger temperature controllers.

Ideal for both OEM's and end users for applications where space is restricted.

Features:

- Autotuning to optimise P.I.D. to your application
- 2 outputs; solid state relay drive and 2A relay
- 5 alarm modes
- Heat-cool strategy
- Ramp and Soak operation
- Large 4 digit Green L.E.D. display
- Tactile user keys
- 1/32nd DIN (24mm x 48mm)
- CE, UL and CSA compliant
- IP65 and NEMA 4X front panel protection
- Plug-on rear screw terminals



The controller is incredibly easy to set-up, it uses a simple mnemonic menu with commands like $^{B\ A\ N\ D}$ for proportional band.

It is equally easy to install with a simple panel clamp and plug-on rear screw terminals.



The CAL 3200

1/32nd DIN

temperature

controller



Technical Specifications CAL 3200

Thermocouple types:

9 types: B,E,J,K,L,N,R,S,T
Standards: IPTS/68/ DIN43710 20:1
CJC rejection: (0.05°/°C) typical
External resistance: 100Ω maximum

Resistance thermometers:

RTD/PT100: 2-wire

Standards: DIN43760 (-200/400°C) (100\Omega 0°C/138.5\Omega 100°C Pt)

0.2mA maximum

Bulb current:

Applicable to all inputs (SM = sensor maximum)

Calibration accuracy: 0.25% SM +/-1°C Input 10Hz, CJC 2 sec Common mode rejection: 0.85% SM +/-1°C Input 10Hz, CJC 2 sec Negligible effect up to 140db, 240V, 50-60Hz

Series mode rejection: 400b, 50-60Hz
Series mode rejection: 150ppm/°C SM typical
Temperature coefficient: 22°C +/- 2°C, rated
Reference conditions: voltage after 15 minutes

settling time.

Output devices: Reversible

Output 1

Solid State Relay drive 5VDC + 0/-15%, 10mA

non-isolated

Output 2

Miniature Power Relay 2A/250VAC resistive load,

form A/SPST (AgCdO)

General

Display 4-digits, high brightness RED

L.E.D. 10.4mm (0.4") high.

Display range Normal -250° to 3500°

Hi-res 199.9° to 999.9°

Keypad 3 tactile elastomeric keys

Line voltage 90-264V 50-60Hz

switchmode PSU

Environmental

Humidity: Max' 80%
Altitude: up to 2000M
Installation: Categories II and III
Pollution: Degree II

Protection: NEMA 4X, IP66

EMC emission: EN50081-1, FCC rules 15

sub-part J class A

EMC immunity: EN50082-2 Ambient temperature 0-50°C (32-130°F)

Mechanical

Weight: 100g (3.5oz)

Dimensions:

Length ex' fascia101mm (3.98")Width ex' fascia45mm (1.77")Height ex' fascia92.9mm (0.87")Fascia dimensions24mm x 28mm

Ordering Information

Model	3200	48mm x 24mm, solid state relay drive & relay outputs, 240VAC supply
	320040	as above, 12V AC/DC supply
	320020	as above, 24V AC/DC supply



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