



Model 2108*i* 1/8 DIN (96 x 48mm)

Indicator and Alarm Unit

The 2108i provides accurate measurement and display of temperature and other process variables in a standard 1/8 DIN panel format. Two alarm relay outputs are provided for operator alert and process protection.

A universal input allows selection of nine internally stored thermocouple types. Other input linearisations may be factory downloaded. Linear, process inputs are scaleable to the desired display range. Keylock and passwords prevent unauthorised access to configuration and alarm settings.

A large, red or green LED display gives good visibility in low and high ambient lighting.

New alarms can be acknowledged and old alarms reset by a front panel button or an external contact closure input.

Three internal alarm setpoints are provided. They are configurable as high, or low, or rate of change alarms. Any combination of the three internal alarms can activate the two relay outputs. Latching or non-latching operation can be selected and alarm delays can be applied. A special mode known as 'alarm blocking' is available. In this mode, after power on, the process value must first enter a good state before the alarm becomes active. This is particularly useful for low alarms which can be 'blocked' while the process is warming-up.

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

- Temperature indication
- Process indication
- Over-temperature protection
- Process value trip unit

Features:

Universal input

Two alarm relay outputs

• Wide-range 85-264V ac, supply

Plug-in from front

• Front panel configuration Easy, on-site set-up

Tactile buttons

Three year warranty

Covers a wide range of temperature and process inputs

For operator alert and plant protection

Can be installed world-wide

Rapid replacement - reducing downtime

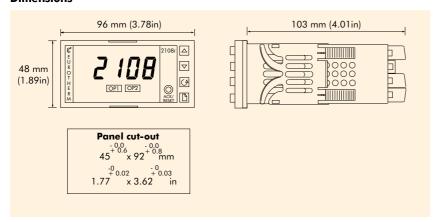
Friendly operation

Low ownership cost

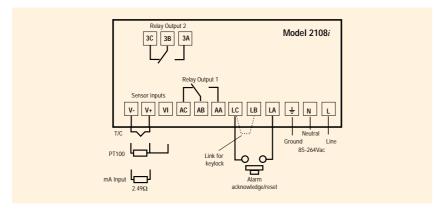
Indicator and Alarm Unit

EUROTHERM CONTROLS

Dimensions



Electrical connections



Specifications

Display:

4 digit, red or green. 15.9mm high characters

Supply voltage:

 $100 \text{ to } 240 \text{Vac } -15\%, \ +10\%$

Operating ambients:

0-55°C, 5-95%RH non-condensing

Panel sealing:

IP54, plug-in from front panel

Relay ratings:

2A, 240Vac resistive

Calibration accuracy:

 $\pm 0.25\%$ of reading, or $\pm 1^{\circ}\text{C},$ or $\pm 1\text{LSD}$ whichever is the greater

Cold junction compensation:

>15 to 1 rejection of ambient temperature change

Input filtering:

Off-999.9 seconds

EMC standards:

EN50081-2 and EN50082-2 generic standards for industrial environments

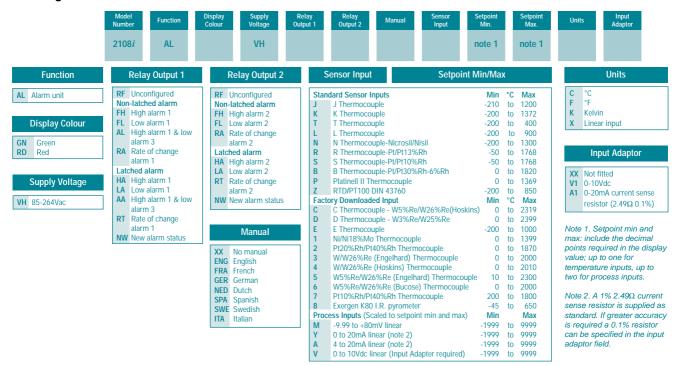
Safety standard:

Meets EN61010, installation category II. Pollution degree 2

Atmospheres:

Not suitable for use above 2000m or in explosive or corrosive atmospheres

Ordering Code



EUROTHERM CONTROLS LIMITED

http://www.eurotherm.co.uk

UK SALES OFFICE

Eurotherm Controls Limited. Faraday Close, Durrington, Worthing, West Sussex BN13 3PL Telephone Sales: (01903) 695888; Technical: (01903) 695777; Service: (01903) 695444 Fax (01903) 695666

Sales and support in over 30 countries worldwide

Enquiries/orders to: Eurotherm Controls Limited Export Dept., Faraday Close, Durrington, Worthing. West Sussex BN13 3PL. Telephone (01903) 268500 Fax (01903) 265982

