

2216L 2208L

MODELS

Ideal for:

- Plastic extrusion
- Ovens
- Chillers
- Baking
- Cold stores

Features:

- Dual, 4 digit display
- Self tuning
- Special fan and water cooling algorithms
- High, low, deviation & sensor break alarms
- Tactile buttons
- Plug-in from front
- Meets European EMC and safety directives
- Three year warranty



Model 2216L
1/16 DIN (48 x 48mm)



Model 2208L
1/8 DIN (48 x 96mm)

PID Temperature Controllers

Available in 1/16 and 1/8 DIN panel sizes, the 2216L and 2208L temperature controllers are designed for accurate, trouble free control of extruders, ovens, chillers and other heating and cooling processes. They are simple to order, simple to install and simple to operate.

Eurotherm's advanced control techniques give stable "straight line" control of the process. Unique features include: power feedback which stabilises the controlled temperature against supply voltage changes and dedicated cooling algorithms which ensure optimum control of fan and water cooled systems.

Self tuning is included to automatically optimise the control performance without the need for specialist knowledge or training.

Calibration accuracy is preserved with a self-correcting input circuit.

Simple operation is achieved using intuitive display formats and tactile buttons.

The controllers are pre-configured according to the simple ordering code.

Simple temperature display and setpoint adjustment

Easy commissioning

Optimised cooling on extruders and chillers

Product and machine protection

Friendly to use

Rapid replacement - reducing downtime

Assured reliability in industrial environments

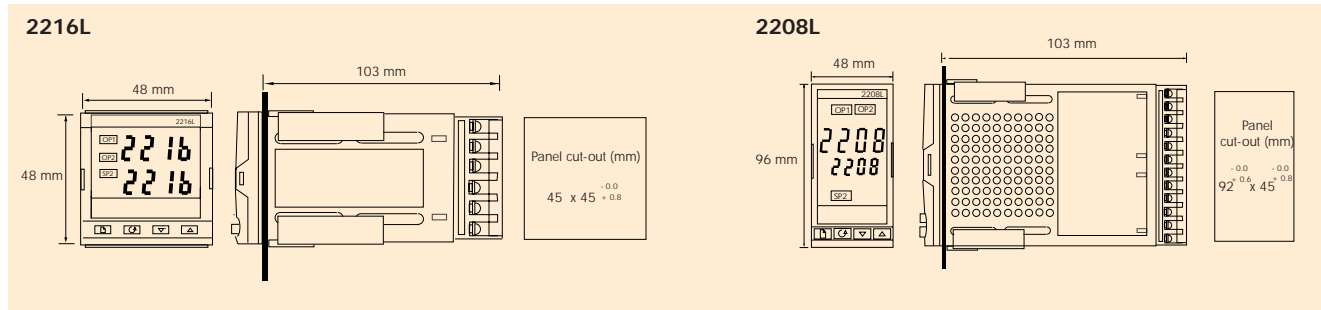
Low ownership cost



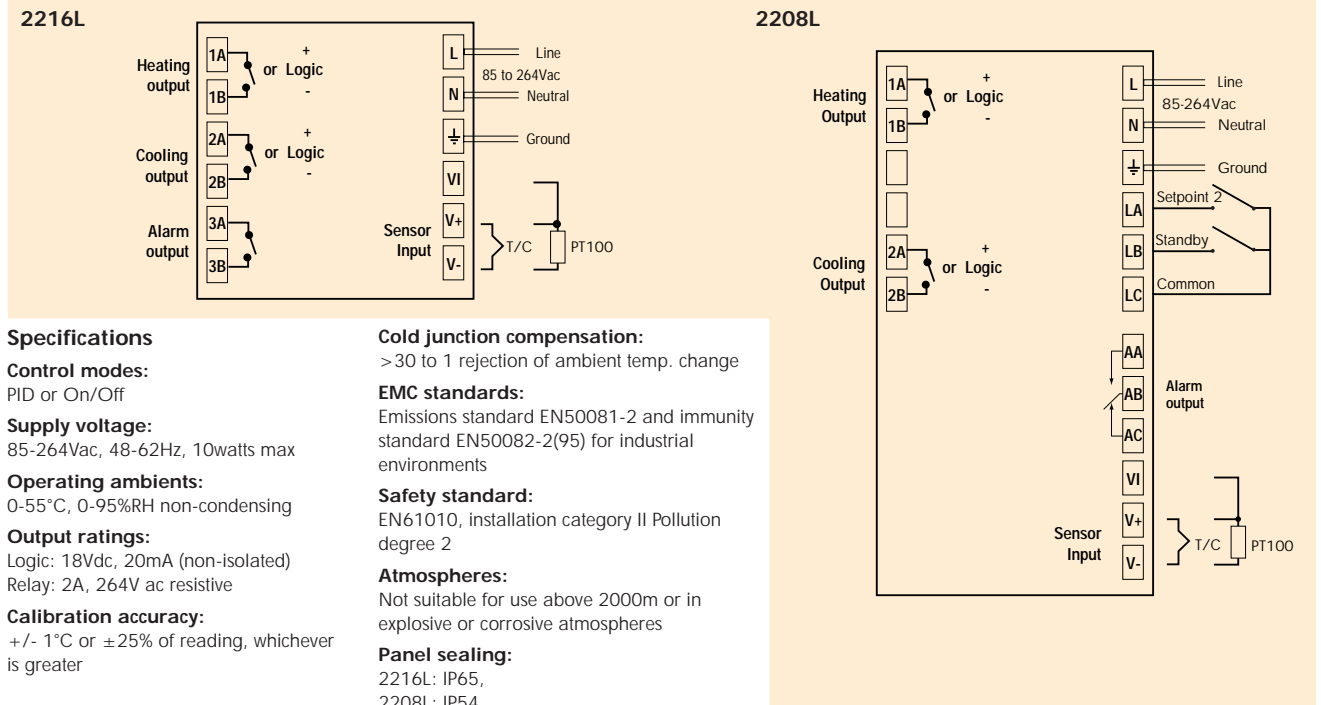
EUROTHERM
CONTROLS

Temperature
Controllers

Dimensions



Electrical connections



Specifications

Control modes:

PID or On/Off

Supply voltage:

85-264Vac, 48-62Hz, 10watts max

Operating ambients:

0-55°C, 0-95%RH non-condensing

Output ratings:

Logic: 18Vdc, 20mA (non-isolated)
Relay: 2A, 264V ac resistive

Calibration accuracy:

+/- 1°C or ±25% of reading, whichever is greater

Cold junction compensation:

>30 to 1 rejection of ambient temp. change

EMC standards:

Emissions standard EN50081-2 and immunity standard EN50082-2(95) for industrial environments

Safety standard:

EN61010, installation category II Pollution degree 2

Atmospheres:

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

Panel sealing:

2216L: IP65,
2208L: IP54

Ordering Code

Model Number	Control	Supply Voltage	Heating Output	Cooling Output	Alarm Output	Manual	Sensor Input	Setpoint Min.	Setpoint Max.	Units
2216L 2208L										

Control		Cooling Output			Manual		Sensor Input		Setpoint Min/Max		Units	
C	PID Controller	X	Not fitted	A	Linear cooling	XXX	No manual	J	Type J	-210 to 1200	-340 to 2192	°C
N	On/Off Controller	Relay output		B	Fan cooling	ENG	English	K	Type K	-200 to 1372	-325 to 2500	°F
		A	Linear cooling	C	Water cooling	FRA	French	T	Type T	-200 to 400	-325 to 750	
		B	Fan cooling	Logic output		GER	German	L	Type L	-200 to 900	-325 to 1650	
		C	Water cooling	D	Linear cooling	NED	Dutch	N	Type N	-200 to 1300	-325 to 2370	
				E	Fan cooling	SPA	Spanish	Z	Pt100	-200 to 850	-325 to 1562	
				F	Water cooling	SWE	Swedish					
				Alarm Output		DEN	Denmark					
				X	Not fitted	ITA	Italian					
				1	High and low alarms							
				2	Deviation band							

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