

[查询"2116"供应商](#)

2132 2116

MODELS



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



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

PID Temperature Controllers

Ideal for:

- Ovens
- Chillers
- Sterilisers
- Trace heating
- Heat sealing

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 | Covers a wide range of temperature and process inputs |
| • Self tuning | Easy commissioning |
| • In-built timer | Sets heating/cooling times |
| • Setpoint rate limit | Provides ramp-dwell heat treatment profile |
| • Tactile buttons | Friendly to use |
| • Wide-range 85-264V ac, or 20-29Vac/dc supply | Can be installed world-wide |
| • Plug-in from front | Rapid replacement - reducing downtime |
| • IP65 and NEMA 4X panel sealing | Can be used in wet and dusty atmospheres |
| • Three year warranty | Low ownership cost |

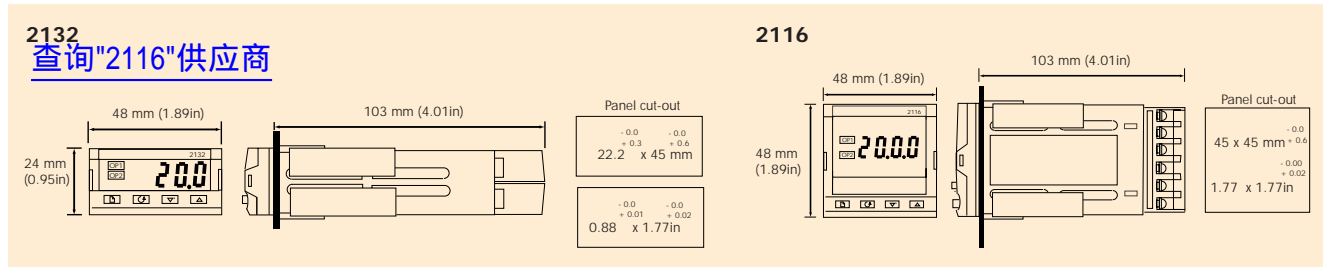


**EUROTHERM
CONTROLS**

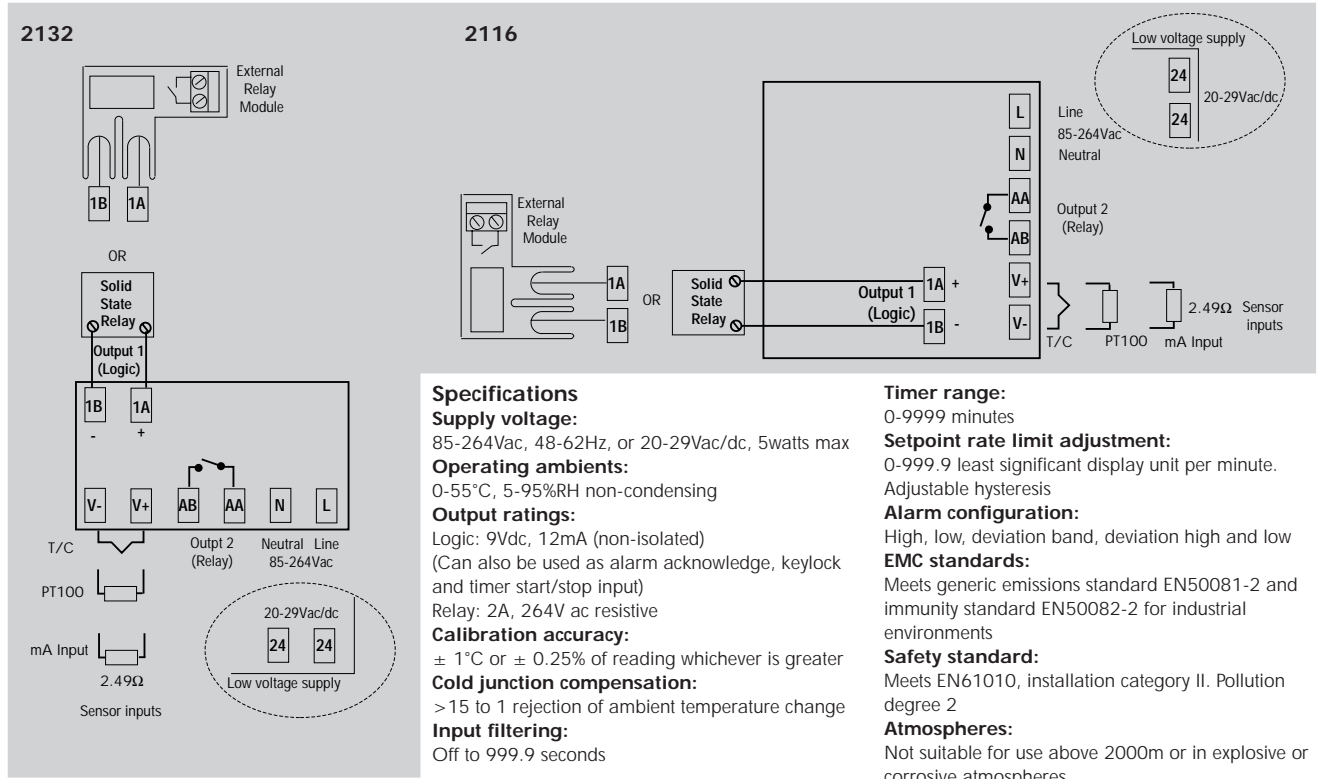
**PID
Temperature
Controllers**



Dimensions



Electrical connections



Ordering Code

Model Number	Function	Supply Voltage	Manual	Output 1 (Logic)	Output 2 (Relay)	Sensor Input	Setpoint Min.	Setpoint Max.	Units	Ext. Relay Module	Input Adaptor
2132	48 x 24mm unit						note 2	note 2			
2116	48 x 48mm unit										

Model Number	Output 1 (Logic)	Output 2 (Relay)	Sensor Input	Setpoint Min/Max	Units
2132	48 x 24mm unit				
2116	48 x 48mm unit				

Function	Output 1 (Logic)	Output 2 (Relay)	Sensor Input	Setpoint Min/Max	Units
CC	PID Controller				
NC	ON/Off Controller				
TC	PID Controller + Timer				
TN	ON/Off Contr + Timer				

Supply Voltage	Output 1 (Logic)	Output 2 (Relay)	Sensor Input	Setpoint Min/Max	Units
VH	85-264Vac				
VL	20-29V dc or ac				

Manual	Output 1 (Logic)	Output 2 (Relay)	Sensor Input	Setpoint Min/Max	Units
XXX	No manual				
ENG	English				
FRA	French				
GER	German				
NED	Dutch				
SPA	Spanish				
SWE	Swedish				
ITA	Italian				

Output 1 (Logic)	Output 2 (Relay)	Sensor Input	Setpoint Min/Max	Units
XX	No function			
RH	Heating			
RC	Cooling			
FH	High alarm 2			
FL	Low alarm 2			
AL	High alarm 2 & low alarm 3			
DB	Dev. band alarm 2			
DL	Dev. low alarm 2			
DH	Dev. high alarm 2			
NW	New alarm			

Sensor Input	Setpoint Min/Max	Units
Thermocouples		
J	Type J	Min °C Max
RH	Heating	-210 to 1200
K	Type K	-200 to 1372
L	Type T	-200 to 400
T	Type L	-200 to 900
N	Type N	-200 to 1300
R	Type R	-50 to 1768
S	Type S	-50 to 1768
B	Type B	0 to 1820
DH	Dev. high alarm 2	0 to 1369
P	Platinell II	
Resistance thermometer		
Z	Pt100	-200 to 850
Custom downloaded inputs		
C	Type C - W5%Re/W26%Re (default custom sensor)	0 to 2319
D	Type D - W3%Re/W25%Re	0 to 2399
E	E Thermocouple	-200 to 999
1	Ni/Ni18%Mo	0 to 1399
2	Pt20%Rh/Pt40%Rh	0 to 1870
3	W/W26%Re (Englehard)	0 to 2000
4	W/W26%Re (Hoskins)	0 to 2010
5	W5%Re/W26%Re (Englehard)	10 to 2300
6	W5%Re/W26%Re (Bucose)	0 to 2000
7	Pt10%Rh/Pt40%Rh	200 to 1800
8	Exegen K80 I.R. pyrometer	-45 to 650
Process inputs (linear)		
M	-9.99 to +80mV	-1999 to 9999
Y	0 to 20mA (note 3)	-1999 to 9999
A	4 to 20mA (note 3)	-1999 to 9999
V	0 to 10Vdc (input adaptor required)	-1999 to 9999

Units	External Relay Module	Input Adaptor
C	°C	
F	°F	
K	Kelvin	
X	Linear input	

External Relay Module	Input Adaptor
XX	Not fitted
R7	Fitted (Operated by the logic output)

Input Adaptor	
XX	Not fitted
V1	0-10Vdc
A1	0-20mA or 4-20mA
	0.1% current sense resistor (2.49Ω)

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

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