Temperature/Process Controllers — continued

1/32 DIN Indicator & Alarm Units
Model 2132i

EUROTHERM CONTROLS

H = 24, W = 48, D = 103
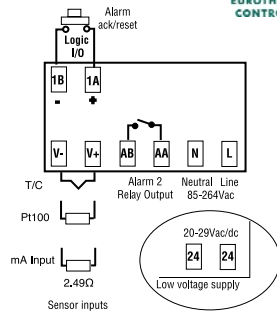
- Bright clear LED display gives excellent visibility
- Operation is user friendly with tactile buttons
- Optional alarm relay output for operator alert and plant protection
- Three internal high or low alarm setpoints
- Any combination of the three internal alarms can be assigned to the relay output
- Latching or non-latching operation can be selected
- Calibration accuracy is preserved with a self-correcting input circuit
- User calibration facility allows offsets to be applied to compensate for sensor and other system errors

Compact indicator and alarm unit in a 1/32 DIN panel size. A universal input provides accurate measurement and display of temperature and other process variables. The input allows selection of nine internally stored thermocouple types, the Pt100 resistance thermometer and linear mA or mV. Linear inputs can be scaled to any desired display range. Keylock and passwords prevent unauthorised access to configuration and alarm settings

No. of digits	Four with up to 2 dec. places
Display	10mm high digits in green
Supply	100 to 240Vac -15%, +10% or 24Vdc or ac -15%, +20%
Power consumption	5 watts max.
Input sampling rate	5Hz
Input types	Thermocouple types J, K, T, L, N, R, S, B Platinell II, 2-wire Pt100 Linear 0-20mA, 0-80mV
Display Units	°C or °F or Kelvin
Calibration accuracy	The greater of ±0,25% of reading or ±1°C, or ±1LSD
Input filtering	0-999,9 seconds
Alarm types	Low and high
Operating ambient	0-55°C
Panel sealing	IP65, plug-in from front
Relay rating	2A, 240Vac resistive

pro492

		Price Each			
	Order Code	1+	5+	15+	20+
Indicator only, 85-264Vac supply	722-9859				
Indicator with 1 alarm relay, 85-264Vac supply	722-9860				
Indicator with 1 alarm relay, 20-29Vac/dc supply	722-9872				

1/8 DIN Indicator & Alarm Unit
Model 2108i

EUROTHERM CONTROLS

H = 48, W = 96, D = 103
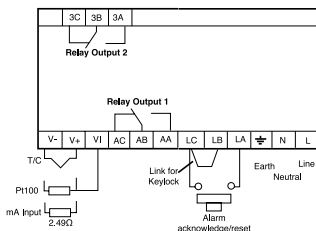
- Operation is user friendly with tactile buttons
- Four internal alarm setpoints, high, low or rate of change
- Any combination of the alarms can be assigned to the two relay outputs
- Latching or non-latching operation can be selected
- Front panel button to acknowledge new alarms and reset old alarms
- Calibration accuracy is preserved with a self correcting input circuit
- User calibration facility allows offsets to be applied to compensate for sensor and other system errors

Indicator and alarm unit in a standard 1/8 DIN panel size. A clear bright display is clearly visible even in direct sunlight. A universal input provides accurate measurement and display of temperature and other process variables. Two optional alarm relay outputs are available for operator alert and plant protection. The input allows selection of nine internally stored thermocouple types, the Pt100 resistance thermometer linear mA or mV. Linear inputs can be scaled to any desired display range. Keylock and passwords prevent unauthorised access to configuration and alarm settings.

No. of digits	Four with up to 2 dec. places
Display	15,9mm high digits in red
Supply	100 to 240Vac -15%, +10%
Power consumption	10 watts max.
Input sampling rate	9Hz
Input types	Thermocouple types J, K, T, L, N, R, S, B Platinell III, 3-wire Pt100 Linear 0-20mA, 0-80mV
Display Units	°C or °F or Kelvin (a set of stick on labels is supplied for other display units)
Calibration accuracy	The greater of ±0,25% of reading or ±1°C, or ±1LSD
Input filtering	0-999,9 seconds
Alarm types	Low, high and rate of change
Operating ambient	0-55°C
Panel sealing	IP54, plug-in from front
Relay rating	2A, 240Vac resistive

pro493

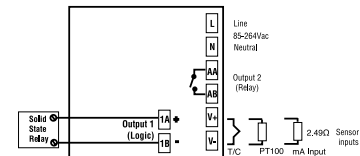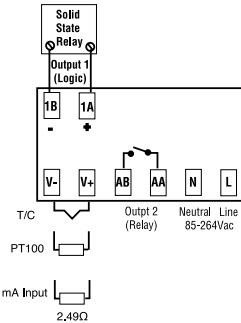|		Price Each			
	Order Code	1+	5+	15+	20+
Indicator only	722-9884				
Indicator with two alarm relays	722-9896				

1/32 & 1/16 DIN PID Temperature Controllers
Models 2132 & 2116

EUROTHERM CONTROLS

H = 48, W = 48, D = 103   H = 24, W = 48, D = 103

- Bright clear LED display gives excellent visibility in high and low ambient lighting
- Operation is user friendly with tactile buttons
- Three alarm setpoints are configurable for high, low and deviation alarms
- Any combination of the alarms can be assigned to the relay output
- Latching or non-latching operation can be selected
- Calibration accuracy is preserved with a self correcting input circuit
- User calibration facility allows offsets to be applied to compensate for sensor and other system errors

Miniature PID temperature controller with heating, cooling and alarm outputs. Self-tuning is included to optimise control performance without the need for specialist knowledge or training. A universal input is configurable for nine thermocouple types, the Pt100 resistance thermometer and linear 4-20mA. Two outputs are provided, a logic output to operate a solid state relay and a relay output to operate contactors or solenoids. Either output can be configured for heating, cooling or alarms. A timer function is provided which can start or stop a process at the end on a set period.

Control modes	PID, or On/Off control
No. of digits	Four with up to 2 dec. places
Display	10mm high digits in green
Display resolution	Up to 2 decimal places
Supply	100 to 240Vac -15%, +10%
Power consumption	5 watts max.
Input sampling rate	5Hz
Input types	Thermocouple types J, K, T, L, N, R, S, B Platinell II, 2 wire Pt100 Linear 0-20mA, 0-80mV
Display Units	°C or °F or Kelvin
Calibration accuracy	The greater of ±0,25% of reading, or ±1°C, or ±1LSD
Input filtering	0-999,9 seconds
Alarm types	Low, high or deviation
Operating ambient	0-55°C
Panel sealing	IP65, plug-in from front
Relay rating	2A, 240Vac resistive
Logic rating	9Vdc, 12mA

pro494

		Price Each			
	Order Code	1+	5+	15+	20+
2132 controller	722-9902				
2116 controller	722-9914				