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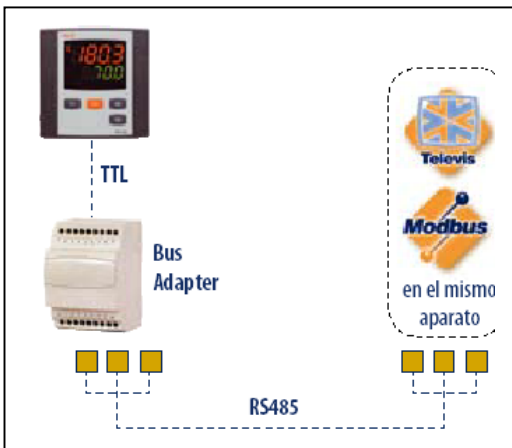


EW 7200 Series



- **EW72** controls are ideal for industrial applications require temperature control with high precision, since the primer plastic materials to packaging, through the control of the process in processing of raw materials.
- Dimensions 72 x 72 x80 (depth) mm
- Dual display
- Decimal point selectable
- Front IP65
- Case: plastic body in resin PC + ABS UL94V-0, polycarbonate visor, buttons polycarbonate film adhesive.
- Operating temperature: -5 ... 55 ° C
- Storage Temperature: -20 ... 85 ° C
- Connections: screw terminal blocks for conductors <2.5 mm² (one wire per terminal according VDE).
- Installation on panel on 67x67mm hole (+0.2 / -0.1 mm)
- use and storage environment humidity: 10 ... 90% (no condensing)

CONNECTIVITY

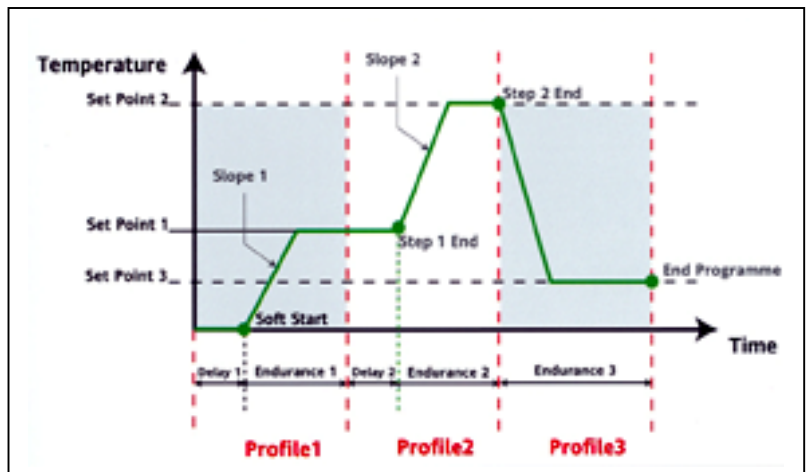


MODEL	INPUT	OUTPUT	VOLTAGE
EW 7210 NTC / PTC	NTC / PTC	1 relay (ON / OFF) + TTL	95...240Vac or 12..24Vac 12..36Vdc
EW 7210 Pt100	Pt100		
EW 7210 TC	TCJ, TCK, TCR, TCS, TCT		
EW 7210 4..20	0..20mA 4..20mA 0..1V 0..5V 0..10V	2 relay + TTL	
EW 7220 NTC / PTC	NTC / PTC		
EW 7220 Pt100	Pt100		
EW 7220 TC	TCJ, TCK, TCR, TCS, TCT	3 relay + TTL + 1 configurable output 0..20 / 4..20mA 0..1 / 0..5 / 0..10V	
EW 7220 HR	0..20mA 4..20mA 0..1V 0..5V 0..10V		
EW 7221 Multiprobe	PTC, NTC, PT 100, PT 1000 TCJ, TCK, TCR, TCS, TCT	3 relay + TTL + 1 configurable output 0..20 / 4..20mA 0..1 / 0..5 / 0..10V	
EW 7221 I V	0..20mA 4..20mA 0..1V 0..5V 0..10V		
EW 7222 Multiprobe	PTC, NTC, PT 100, PT 1000 TCJ, TCK, TCR, TCS, TCT	3 relay + TTL + 1 configurable output 0..20 / 4..20mA 0..1 / 0..5 / 0..10V	
EW 7222 I V	0..20mA 4..20mA 0..1V 0..5V 0..10V		

STEP FUNCTION:

Independent thermal management profiles memorize two work programs consisting of up to 8 steps each, with a phased operation and higher reliability [except model 7210]
 These programs can be customized thermal cycles according to the value of the point of intervention, cycle time and d the delay for activation, so the device is suitable for demanding applications in the process control sector.

Example of programme for the management of 3 independent thermal profiles.



FEATURES

	EW 7210	EW 7220	EW 7221	EW 7222
Container	PC+ABS plastic resin body PC+ABS UL94 V-0			
Dimensions	Front 72 x 72mm. depth 80 mm			
Mounting	and panel with drilling template 67 x 67 mm			
Usage temperature	-5 °C...55 °C			
Storage temperature	-20 °C...85 °C			
Ambient humidity in use and in storage	10...90% RH (non-condensing)			
Display	Decimal point selectable by parameter Two 4-digit display + sign			
Analog input	1 input selectable by parameter H00 depending on the model (see the table of probes)			
Range	depending on the probe used (see table probes)			
Accuracy	depending on the probe used (see table probes)			
Resolution	depending on the probe used (see table probes)			
Digital input				1 digital input free of voltage
Serial output	TTL for Copy Card connection to TelevisSystem and Modbus systems			RS-485
Digital output	1 SPDT 8(3)A 250Vac ON / OFF	1 SPDT 8(3)A 250Vac 1 SSPT 8(3)A 250Vac	1 SPDT 8(3)A 250Vac 1 SPST 8(3)A 250Vac 1 SPST 5A 250Vac	1 SPDT 8(3)A 250Vac 1 SPST 8(3)A 250Vac 1 SPST 5A 250Vac
Analog output*	unavailable		0...1V, 0...5V, 0...10V 0...20mA, 4...20mA	
Connections	screws strip conductors <2.5 mm2 (one conductor per terminal according VDE).			
Consumption	3W max			
Power supply	12...24Vac±10% 50/60Hz /12...36Vdc 95...240Vac ±10% 50/60Hz			

maximum loads controlled by the analog output

output type	maximum load
0-1 V	20mA with minimum load resistance 50 Ohm
0-5 V	20mA with minimum load resistance 250 Ohm
0-10 V	20mA with minimum load resistance 500 Ohm
0-20mA	350 Ohm
4-20mA	350 Ohm

PROBES TABLE

Probe	Range	Probe error limits		Resolution	Accuracy
PTC	-55 to 155 °C	-60...155 °C		0,1 °C (0,1 °F)	0,5% end of scale + 1 digit
NTC	-50 to 110 °C	-55...115 °C		0,1 °C (0,1 °F)	0,5% end of scale + 1 digit
Pt 1000	-200 to 800 °C	-210...810 °C		0,2 °C	0,5% end of scale + 1 digit
TCJ	-40 to 760 °C	-50...770 °C		0,6 °C (0,6 °F)	0,5% end of scale + 1 digit
TCK	-40 to 1350 °C	-50...1360 °C		0,6 °C (0,6 °F)	0,5% end of scale + 1 digit (over entire scale) 0,3% end of scale + 1 digit (-40 a 800 °C)
TCS	0 to 1600 °C	-10...1610 °C		0,6 °C (0,6 °F)	
TCR	0 to 1600 °C	-10...1610 °C		0,6 °C (0,6 °F)	
TCT	-40 to 350 °C	-50...360 °C		0,6 °C (0,6 °F)	
Pt 100	-200 to 800 °C	-210...810 °C		0,1 °C (0,1 °F)	0,5% end of scale + 1 digit (over entire scale) 0,2% end of scale + 1 digit (-150...300 °C)
V - I	-1999 to 9999	0...1V 0...5V 0...10V 0...20mA 4...20mA	-1...10% -0.20...10% -0,10...3% 0,05...5% -6,25...6,25%	1 digit if ndt=0 0,1 digit if ndt=1 0,01 digit if ndt=2 0,001 digit if ndt=3	0,5% end of scale + 1 digit