

CONTROL THERMOSTATS TR SERIES

Zones 1, 2, 21, 22

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ATEX INSTRUMENTATION

ZONES 1, 2 (gas) & 21, 22 (dust)

Thermostat with liquid expansion probe recommended for the automatic control of liquids temperature and for industrial heating process in hazardous areas. Available either with external or internal temperature adjustment (type TR or type TRI respectively).



Temperature adjustment on TRI is allowed at open case only. This operation shall not be made with the thermostat powered and, in any case, far from hazardous atmosphere.



EU-Type Examination Certificate

- Its design allows the rapid replacement of the control unit without having to empty the process fluids containers.
- The internal adjustment helps to prevent unauthorized manipulations.
- External sheath in AISI 316L Stainless Steel.
- Plate and external screws in Stainless Steel.

ITEM REFERENCES

Designation:	Temperature Control Range (°C):	Max Bulb Temperature (°C):	Differential ΔT (°C):	Sensor \varnothing :	A (mm):	B (mm):	Item No.:
TR 40 N (ext)	0°C to 40°C $\pm 2^\circ\text{C}$	50°C	3°C $\pm 1^\circ\text{C}$	16 mm	95	111	9C0201
TR 40 LN	0°C to 40°C $\pm 2^\circ\text{C}$	50°C	3°C $\pm 1^\circ\text{C}$	16 mm	225	111	9C0202
TRI 40 N (int)	0°C to 40°C $\pm 2^\circ\text{C}$	50°C	3°C $\pm 1^\circ\text{C}$	16 mm	95	111	9C0203
TRI 40 LN	0°C to 40°C $\pm 2^\circ\text{C}$	50°C	3°C $\pm 1^\circ\text{C}$	16 mm	225	111	9C0204
TR 90 N (ext)	0°C to 90°C $\pm 3^\circ\text{C}$	120°C	4°C $\pm 1^\circ\text{C}$	14 mm	95	111	9C0205
TR 90 LN	0°C to 90°C $\pm 3^\circ\text{C}$	120°C	4°C $\pm 1^\circ\text{C}$	14 mm	225	111	9C0206
TRI 90 N (int)	0°C to 90°C $\pm 3^\circ\text{C}$	120°C	4°C $\pm 1^\circ\text{C}$	14 mm	95	111	9C0207
TRI 90 LN	0°C to 90°C $\pm 3^\circ\text{C}$	120°C	4°C $\pm 1^\circ\text{C}$	14 mm	225	111	9C0208
TR 120 N (ext)	0°C to 120°C $\pm 3^\circ\text{C}$	150°C	4°C $\pm 1^\circ\text{C}$	14 mm	95	111	9C0209
TR 120 LN	0°C to 120°C $\pm 3^\circ\text{C}$	150°C	4°C $\pm 1^\circ\text{C}$	14 mm	225	111	9C0210
TRI 120 N (int)	0°C to 120°C $\pm 3^\circ\text{C}$	150°C	4°C $\pm 1^\circ\text{C}$	14 mm	95	111	9C0211
TRI 120 LN	0°C to 120°C $\pm 3^\circ\text{C}$	150°C	4°C $\pm 1^\circ\text{C}$	14 mm	225	111	9C0212

TECHNICAL SPECIFICATIONS

Marking:	II 2G Ex d IIB+H2 T6-T5 Gb II 2D Ex tb IIIC T85°C-T100°C Db	Electrical contact capacity NC16(6) / A 250 VAC
Certificate:	EU-Type Examination Certificate	
Housing:	Aluminum light alloy. External epoxy RAL 7000	
Operating temperature:	-20°C to +40°C (T6/T85°C) -20°C to +60°C (T5/T100°C)	
Operating conditions:	Indoor / Outdoor	
Ingress protection:	IP65	
Cable entries:	1x3/4" NPT (cable gland not included)	

