

AMBIENT TEMPERATURE THERMOSTATS

series
TA

Protection	Gas	Zone	1-2	II2G	Ex db IIB+H ₂ T6÷T5 Gb
	Dusts	21-22	II2D	Ex tb IIIC T85°C÷T100°C Db	

Degree of Protection	IP65
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Amb. Temp.	Standard	-20°C	+40°C
	Extended	-50°C	+60°C



Entries Threading	NPT ANSI B1.20
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Material	Aluminum light alloy
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Painting	External Epoxy RAL 7000
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Standards and Certificates



Directive 2014/34/EU (ATEX)

EN 60079-0 • EN 60079-1
EN 60079-31



INERIS 13 ATEX 0039X



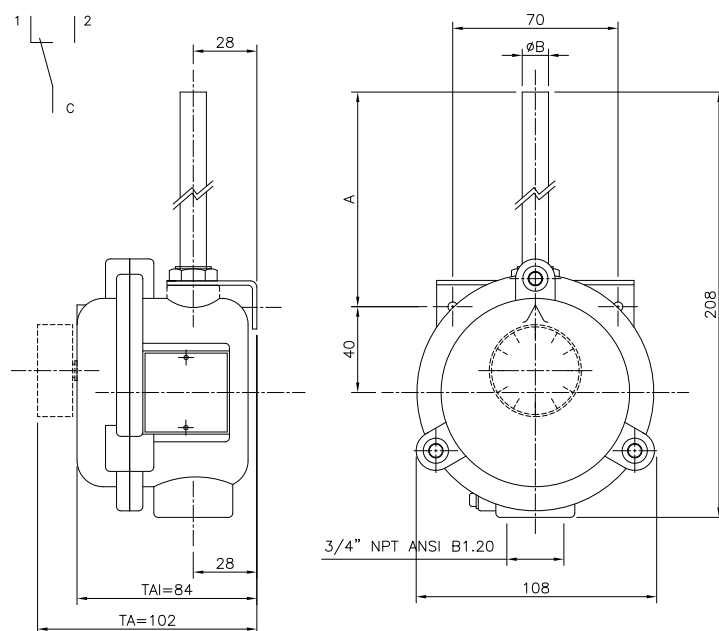
IEC 60079-0 • IEC 60079-1
IEC 60079-31

IECEx INE 13.0053X

- Thermostat with liquid expansion probe suitable for the automatic control of ambient temperature.
- Available either with external or internal temperature adjustment (type TA or type TAI respectively).
- The internal adjustment helps to prevent unauthorized manipulations.
- Bracket in galvanized steel, sheath in zinc plated brass.
- Plate and external screws in Stainless Steel.

- Options**
- Sheath and bracket in Stainless Steel AISI 316.
 - Sheath of different lenght other than standard (L).

- Cable entry: cylindrical M25x1,5 (M).
- Control temperature range other than standard.



NOTES

It is recommended to read the installation and maintenance instructions.

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

The Temperature class T6/T85°C takes into account an Ambient Temperature (A.T.) up to +40 °C, the Temperature class T5/T100°C an extended A.T. up to +60°C.

Code	Temperature Control Range (°C)	Max Bulb Temperature (°C)	Differential ΔT (°C)	A (mm)	ØB (mm)
TA 40/TAI 40	0°C÷40°C±2°C	50°C	3°C±1°C	112 ÷ 242	13
TA 90/TAI 90	0°C÷90°C±3°C	120°C	4°C±1°C	112 ÷ 242	10
TA 120/TAI 120	0°C÷120°C±3°C	150°C	4°C±1°C	112 ÷ 242	10

Example: TA 40N

Order Coding

Type

TA = thermostat with external adjustment
TAI = thermostat with internal adjustment

Temperature control range

40 = 0°C ÷ +40°C
90 = 0°C ÷ +90°C
120 = 0°C ÷ +120°C

Sheath

.. = std.
L = long version

Threading

N = NPT (N)
M = metric (M)