

Temperature switch Model AST

WIKAI data sheet AST

Applications

- Locomotive
- Car heater
- Oil temperature

Special features

- Direct mounting
- Detachable bulb pocket
- Compact design
- High performance micro switch



Temperature switch, model AST

Description

Type AST Temperature Switch has been specifically designed for use on Diesel Locomotives to safeguard the engine from damage that could be caused by excessive heat. However these switches can be used for other applications also. These switches are of direct mounting design. The thermal sensing element of AST temperature switch consists of a metallic bellows and sensing bulb. This thermal element is

filled with a partial vapour charge, the pressure of which rises with the increase in temperature at the bulb. When the temperature exceeds the preset value, the pressure in the thermal system increases and over comes an opposing spring force to actuate an electrical microswitch. The entire assembly is housed in a uniquely designed die cast aluminium enclosure which allows ease of installation and wiring.

Standard version

Enclosure

Die cast aluminium powder coated

Cable entry

1/2" NPT (F)

Sensing element

Phosphor bronze bellows

Bulb

Brass

Mounting

- Direct – standard
- With detachable bulb pocket – special

Process connection

- 3/4" NPT (M)
- 3/4" BSP (M)
- 1/2" NPT (M)

Immersion length

70 mm / 80 mm

Switching element

One SPDT microswitch

Electrical rating

15A 250V AC
0.5A 125V DC

Repeatability

±1% FSR

Ordering matrix

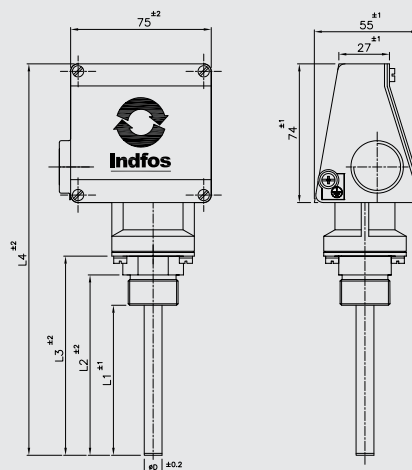
Model	Range in deg C	Differential in deg C	Maximum temperature in deg C
AST-90	20 ... 95	5 / 9 Max.	150
AST-125	60 ... 125		

Ordering information

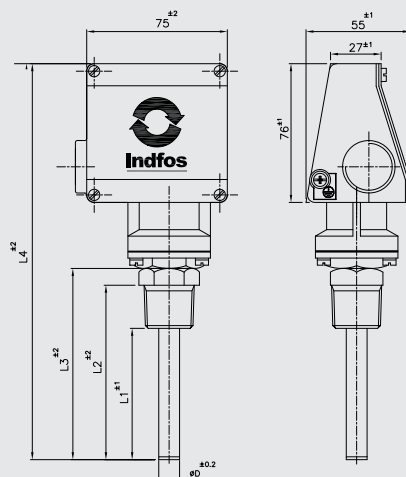
Model / Range / Differential / Mounting

Dimensions in mm

Flange Type



Detachable Type



Type	L1	L2	L3	L4	Ød
Flange	70	86	96	199	9.5
	80	96.2	106.2	209	9.5
Detachable	70	90	102	212	11.1
	80	100	112	222	11.1

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