Temperature controller
iTA355

for monitoring temperatures of fluids in housings and containers

- Rugged and maintenance-free design
- Fastening by means of screw-in thread
- Temperature measurement via PT100
- Connection via cable
- Resistant to aggressive media
- Type of protection: IP 65 acc. to EN 60529/IEC 529
- I M2 EEx ia I intrinsically safe acc. to Directive 94/9/EC (ATEX)
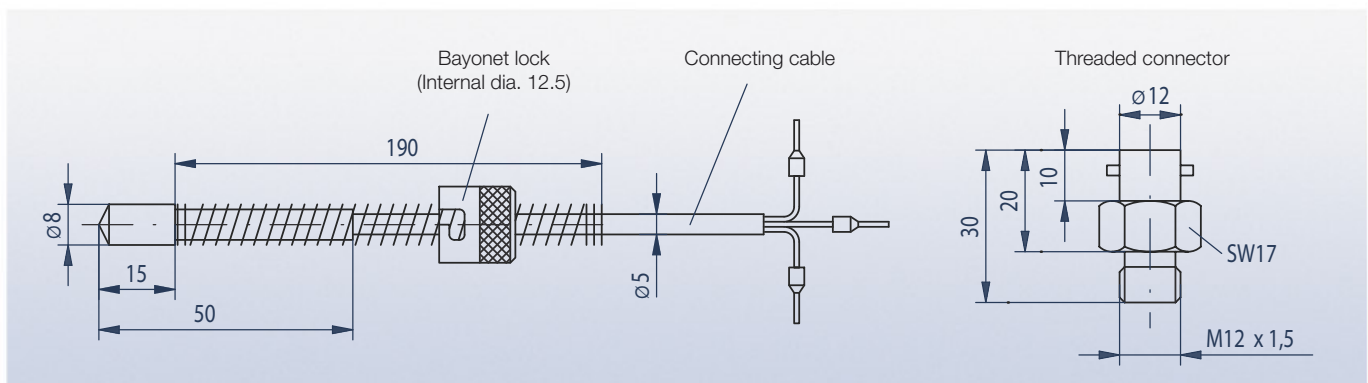
iTA355

FUNCTION AND DESIGN

The temperature controller is designed for monitoring temperatures in houisings or fluid media. A PT 100 element is used as monitoring element. It is located at the extreme end of the cable and measures the current temperature.

The monitoring element is embedded in cast resin providing vibration-resistant and watertight encapsulation. This arrangement ensures an adequate safety with respect to explosion protection and mechanical damage. The temperature probe length can be varied. The temperature controller is available with a cable length of 2 meters as standard. If you need different lengths please send us an inquiry.

Application

➤ As it is provided with a threaded connector the temperature controller is ideally suited for installation into housing walls, e.g. for monitoring gearbox temperatures.

➤ The length of the temperature probe intended to extend into the housing can be continuously adjusted between 30 mm and 140 mm.

➤ The temperature probe comes provided with a bayonet lock and can be removed easily. The threaded connector remains mounted in the housing wall.

Bayonet lock (Internal dia. 12.5) · Connecting cable · Threaded connector

TECHNICAL DATA

Temperature measurement	Continuously via PT100 element
Switching temperature	max. 220°C
Probe tube length	30 mm to 140 mm continuously variable
Probe diameter	8 mm
Screw-in thread	M12x1.5 (with SW17)
Type of connection	Cable (3 conductors)
Voltage	max. 13.5 VDC
Connecting cable length	2m
Type of protection	IP 65 acc. to EN 60529/IEC 529
EX-approval	I M2 EEx ia I acc. to Directive 94/9/EC
Certificate No.	BVS 03 ATEX E404

TYPE CODE AND ORDERING DETAILS

iTA355 / PT100 L = * * *   Connecting cable length in meters

TYPICAL EXAMPLE

iTA355 / PT100 L = 002   Connecting cable length = 2 meters

Subject to technical alterations · Version 08/12