



TX 490

Rod thermostats type series TX

Rod thermostats can be used as immersion thermostats for pressure-tight installation in pipelines and containers and for monitoring temperature in air ducts.

The correct immersion tube must be chosen for the application and ordered as a separate item.

Technical data

(not applicable to Ex versions)

Housing	Diecast aluminium GD Al Si 12 according to DIN 1725.
Mounting position	Any, preferably vertical
Max. ambient temperature at switching device	+70°C +60°C for Ex versions
Max. perm. temperature at sensor	See Product Summary
Contact arrangement	Single pole change-over switch
Switching capacity	8 (5) A 250 VAC
Degree of protection	IP 54 according to DIN 40050 (with vertical installation)
Calibration	Scale value corresponds to the lower switching point (with falling temperature), the upper switching point is higher by the amount of the switching differential
Plug connection	Via angled plug to DIN 43650 (3-prong + earth contact), cable entry Pg 11, max. cable diameter 10 mm, cable outlet possible in 4 directions spaced 90° apart. Supplied with plug.
Switching temperature	Adjustable from outside with screwdriver
Switching differential	Not adjustable, for values see Product Summary
Immersion tubes	See page 32.

Product Summary

Type	Setting range	Switching differential (mean value)	Max. perm. temperature at sensor
Immersion depth 135 mm			
TX 023	-20 to + 30°C	1.5 K	110°C
TX 150	+10 to + 50°C	1.5 K	110°C
TX 490	+40 to + 90°C	2.5 K	125°C
TX 813	+80 to +130°C	4.0 K	150°C
Immersion depth 220 mm			
TXB 023	-20 to + 30°C	1.5 K	110°C
TXB 150	+10 to + 50°C	1.5 K	110°C
TXB 490	+40 to + 90°C	2.5 K	125°C
TXB 813	+80 to +130°C	4.0 K	150°C

Ex-version · Degree of protection **Ex** II 2 G/D EEx de IIC T6 IP65 T80°C
(Technical data see page 18)

Immersion depth 135 mm

Ex-TX 023	-20 to + 30°C	1.5 K	110°C
Ex-TX150	+10 to + 50°C	1.5 K	110°C
Ex-TX 490	+40 to + 90°C	2.5 K	125°C

Immersion depth 220 mm

Ex-TXB 023	-20 to + 30°C	1.5 K	110°C
Ex-TXB 150	+10 to + 50°C	1.5 K	110°C
Ex-TXB 490	+40 to + 90°C	2.5 K	125°C

Specification

Rod thermometer type TX ..., range of adjustment from ... to ...°C. Immersion depth 135 mm / 220 mm, diecast aluminium housing with plug connector to DIN 43 650.

+ Accessories

Immersion tube type R10/MS, R20/MS, R10/NST, R20/NST. Immersion tubes for NPT thread on request.

Dimensions

