

FROST GUARD SENSOR TEV PT 1000

TEV Pt 1000 temperature sensor is designed for automatic HVAC systems for the monitoring air-heating radiators against frost.

Temperature is detected by a Pt 1000 element with a nominal resistance of 1000 ohm / 0 °C.

Sensor stem is made of stainless steel for prolonged life.

Sensor is installed to the radiator by means of a joint with R1/4" thread. Mounting depth can be adjusted to max. 210 mm.

Time constant of the sensor is about 2,5 seconds.



Technical data:

Sensor	PT 1000 EN60751B
Mounting	R 1/4" thread
Stem	4 mm x 200 mm
Connecting cord	Ø 2,8 mm x 2 m
Range	-50...120 °C
Accuracy	± 0.3 °C (at 0 °C)
Time constant	ca 2,5 s
Pressure rating	PN 16

Temperature / resistance -table:

LT °C	PT 1000 Ω	LT °C	PT 1000 Ω
120	1460.6	25	1097.3
100	1385.0	20	1077.9
90	1347.0	15	1058.5
80	1308.9	10	1039.0
75	1289.8	5	1019.5
70	1270.7	0	1000.0
65	1251.6	-5	980.4
60	1232.4	-10	960.9
55	1213.2	-15	941.2
50	1194.0	-20	921.6
45	1174.7	-25	901.9
40	1155.4	-30	882.2
35	1136.1	-40	842.7
30	1116.7	-50	803.1

Ordering guide:

Model	Product number	Description
TEV Pt1000	1174020	frost guard sensor 1000 ohm / 0 °C
TEV Pt1000-400	1174021	frost guard sensor 1000 ohm / 0 °C length 400 mm

Products fulfill the requirements of directive 2004/108/EY and are in accordance with the standards EN61000-6-3: 2001 (Emission) and EN61000-6-2: 2001 (Immunity).

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