

FROST GUARD SENSOR TEV NTC 10-KB

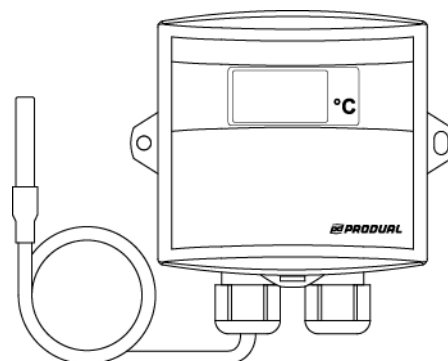
TEV NTC 10-KB temperature sensor is designed for automatic HVAC systems to detect heating coil temperatures (= return water).

Temperature is detected by a NTC sensor element with a nominal resistance of 5025 Ω at 25 $^{\circ}\text{C}$.

Sensor stem is made of stainless steel. Sensor is installed to the coil by using a joint with R1/4" thread. Mounting depth can be adjusted up to 200 mm.

Sensor resistance at different temperatures:

$^{\circ}\text{C}$	Ω	$^{\circ}\text{C}$	Ω
120	467	25	5025
100	723	20	5573
90	923	15	6126
80	1194	10	6667
75	1364	5	7183
70	1562	0	7661
65	1791	-5	8093
60	2056	-10	8472
55	2358	-15	8796
50	2702	-20	9067
45	3088	-25	9288
40	3517	-30	9466
35	3987	-40	9712
30	4492	-50	9854



Technical data:

sensor	NTC 10-KB element
mounting	R 1/4" thread
stem	$\varnothing$ 4 mm x 200 mm
connecting cord	$\varnothing$ 2.8 mm x 2 m
range	-50...+120 $^{\circ}\text{C}$
accuracy	± 0.5 $^{\circ}\text{C}$ (at 25 $^{\circ}\text{C}$)
time constant	ca 2.5 s
pressure rating	PN16

Ordering guide:

Model	Product number	Description
TEV NTC 10-KB	117B020	frost guard sensor 5025 Ω / 25 $^{\circ}\text{C}$

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