

## FROST GUARD SENSOR TEKV NTC10

TEKV NTC10 temperature sensor is made for automatic HVAC systems to detect heating coil temperatures (= return water).

Temperature is detected by an NTC thermistor with a nominal resistance of 10 k $\Omega$ /25 °C.

Housing is made of heat-resistant plastic. The screw cover and the terminal blocks tilted to 45° make an easy installation.

Sensor is installed to the pipe by means of an adjustable joint with R1/4" thread. Mounting depth is adjustable up to ...200 mm.



### Technical data:

Sensor	10 k $\Omega$ NTC thermistor
Mounting	R 1/4" threads
Stem	4 mm x 200 mm
Cable entry	M16
Range	-50...120 °C
Accuracy	± 0.2 °C (at 25 °C)
Time constant	about 2.5 s
Pressure rating	PN 16

### Temperature/Resistance:

°C	NTC 10 / $\Omega$	°C	NTC 10 / $\Omega$
120	389.0	25	10000.0
100	680.0	20	12490.0
90	917.7	15	15710.0
80	1258.0	10	19900.0
75	1480.0	5	25400.0
70	1752.0	0	32650.0
65	2082.0	-5	42340.0
60	2488.0	-10	55330.0
55	2968.0	-15	72980.0
50	3603.0	-20	97070.0
45	4368.0	-25	130400.0
40	5327.0	-30	177000.0
35	6532.0	-40	336500.0
30	8057.0	-50	670100.0

### Ordering guide:

Model	Product number	Description
TEKV NTC10	1175120	frost guard sensor 10 kohm / 25 °C

Products fulfil 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).

### Produal Oy

Keltakalliontie 18  
48770 Kotka  
FINLAND  
[www.produal.fi](http://www.produal.fi)

Puh: +358-5-230 9200  
Fax: +358-5-230 9210  
[info@produal.fi](mailto:info@produal.fi)