

## FROST GUARD SENSOR TEKV NTC20

TEKV NTC20 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 20 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	20 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	ca 2.5 s
Pressure rating	PN 16

### Temperature/Resistance:

°C	NTC 20 / $\Omega$	°C	NTC 20 / $\Omega$
120	609	25	20000
100	1114	20	25350
90	1541	15	32346
80	2166	10	41567
75	2585	5	53812
70	3099	0	70203
65	3732	-5	92322
60	4517	-10	122431
55	5494	-15	163777
50	6718	-20	221088
45	8259	-25	301297
40	10211	-30	414698
35	12698	-40	810861
30	15887	-50	1659082

### Ordering guide:

Model	Product number	Description
TEKV NTC20	1176120	frost guard sensor 20 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).

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