

The remote temperature sensor is primarily used to transmit the measured air temperature in ducts to T24A1T room controller which require remote or cooling/heating changeover sensing.



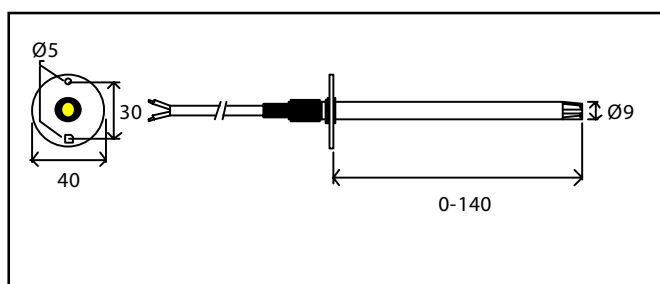
Specifications

Model Numbers	TG-K340B Duct Temperature Sensor
Sensing Element	NTC Thermister, 10 kΩ@40°C, See Table 1 for Characteristics
Range	0-40 °C
Protection Class	IP20
Wire Connections	1.5 m Pigtails
Time constant	38 s
Ambient / Storage Temperature Limits	0 to 50 °C / -10 to 60 °C
Shipping Weights	0.1 kg (0.22 lb)
Dimensions	See Fig. 1: Dimensions in mm

Table 1 - Resistance versus Temperature for TG-K340B

Temperature °C	Resistance Ω	Temperature °C	Resistance Ω	Temperature °C	Resistance Ω	Temp °C	Resistance Ω
0	15000	11	13625	21	12375	31	11125
1	14873	12	13500	22	12250	32	11000
2	14750	13	13375	23	12125	33	10875
3	14625	14	13250	24	12000	34	10750
4	14500	15	13125	25	11875	35	10825
5	14375	16	13000	26	11750	36	10500
6	14250	17	12875	27	11625	37	10375
7	14125	18	12750	28	11500	38	10250
8	14000	19	12625	29	11375	39	10125
9	13875	20	12500	30	11250	40	10000
10	13750						

The performance specifications above are nominal and subject to tolerances and application variables of generally acceptable industry standards. Belimo shall not be liable for damages resulting from misapplication or misuse of its products.

Figure 1: Dimensions in mm**Notes**

1. Use 22 or 24 AWG double insulated cable as remote sensor wiring if not enclosed in metallic conduit.
2. Do not bundle and run power wiring and remote sensor wiring in the same conduit.
3. The duct sensor is position sensitive. It only senses the temperature at the place where it is installed. Therefore, in order to achieve a good temperature control, it is extremely important to choose an ideal place for installing the sensor.