

- >> Accurate NTC 10k type resistance temperature detector
- >> Optional potentiometer for temperature setpoint adjustment
- >> Optional fan speed selector



## Room temperature measurement

The room temperature sensor FX-TER-NTC10(P)(PS) is designed to monitor room temperatures. FX-TER-NTC10P model has setpoint adjustment potentiometer and FX-TER-NTC10PS model has setpoint adjustment potentiometer and fan speed selector. Sensors are surface mounted and they can be installed on top of standard 3" by 3" mounting box (60mm mounting screw distance).

### Technical features

Sensor Type: NTC 10k  
Sensor Accuracy:  $\pm 0.2$  °C  
Operating Temperature: -50 - 70°C, 0 - 95%RH non-condensing  
Enclosure: White ABS – IP20  
85mm W x 85mm H x 22.4mm D  
Wiring Connections: Screw terminal block (14 to 22 AWG)  
1 and 2 NTC10 thermistor  
3 and 4 Potentiometer  
5 and 6 Speed selector  
Manufacturing Process: ISO9001

#### OPTIONS

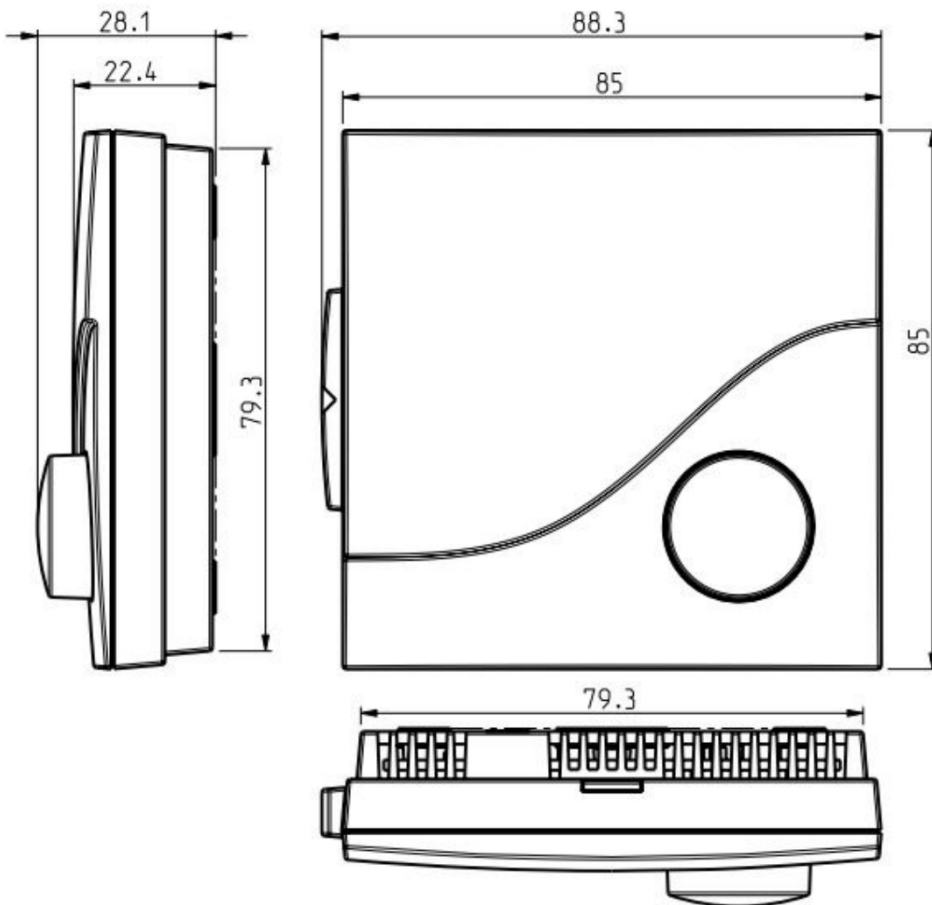
##### Setpoint Adjustment

Type: Front panel potentiometer, 2 wire resistance output  
Range: 0Ω to 10kΩ

##### Fan Speed Selector

Type: Slider  
Range: Auto: 3kΩ, 0: 4kΩ, 1: 5kΩ, 2: 6kΩ, 3: 7kΩ

Temp.	$\Omega$	Temp.	$\Omega$	Temp.	$\Omega$
		29	8406	9	20884
140	235	28	8779	8	21918
130	301	27	9165	7	23015
120	390	26	9574	6	24170
110	511	25	10000	5	25391
100	679	24	10448	4	26683
95	786	23	10924	3	28051
90	916	22	11421	2	29498
85	1070	21	11940	1	31030
80	1255	20	12491	0	32650
75	1480	19	13073	-5	42327
70	1752	18	13681	-10	55329
65	2083	17	14325	-15	72957
60	2488	16	15000	-20	97083
55	2986	15	15710	-25	130422
50	3602	14	16461	-30	176976
45	4368	13	17256	-35	24682
40	5324	12	18091	-40	336479
35	6532	11	18970	-45	472178
30	8055	10	19902	-50	671305



## Part numbers

**FX-TER-NTC10**

**FX-TER-NTC10P**

**FX-TER-NTC10PS**

NTC 10k

with temperature setpoint potentiometer

with temperature setpoint potentiometer and fan speed selector