

Flush Mounted Anti Ligature Room Temperature Sensors

TEFM sensors have been specially designed to reduce the impact of bulky boxes on walls. These sensors are also anti-ligature and provide excellent impact resistance.

Perfect for applications where style is as important as functionality.

The unit material is high quality white plastic. Other colours are available on request. Mounting on standard UK wall mounting box

Temperature is detected by a range of thermistors and resistive elements with nominal resistances (see table overleaf).

Features

- Anti-Ligature Flush Mounted Temperature Sensors
- Elegant Design and Finish
- Available in Common Thermistor types such as NTC10K and NTC100K for SST Thermostats
- Mounting to standard UK Wall Mounting Box



Model Types	Model	Description
	TEFM-PT1000	PT1000 Flush Mounted Anti-Ligature Room Temperature Sensor
	TEFM-NTC10	NTC10 Flush Mounted Anti-Ligature Room Temperature Sensor (Trend, Johnson and Saia equivalent)
	TEFM-NTC10-AN	NTC10-AN Flush Mounted Anti-Ligature Room Temperature Sensor (Andover and York equivalent)
	TEFM-NTC1800	NTC1800 Flush Mounted Anti-Ligature Room Temperature Sensor (TAC equivalent)
	TEFM-NTC4K7	NTC4K7 Flush Mounted Anti-Ligature Room Temperature Sensor (SyxthSense TAE-S, TAP Thermostats)
	TEFM-NTC100K	NTC100K Flush Mounted Anti-Ligature Room Temperature Sensor (SyxthSense Designer Thermostats, DTP Wireless Thermostats)
	TEFM-NTC20	NTC20 Flush Mounted Anti-Ligature Room Temperature Sensor (Honeywell equivalent)
	TEFM-NTC1800	NTC1800 Flush Mounted Anti-Ligature Room Temperature Sensor (TAC equivalent)
	TEFM-NI1000-LG	NI1000 Flush Mounted Anti-Ligature Room Temperature Sensor (Landis & Staefa equivalent)
Technical Data	Sensor Element	TEFM PT1000 - Pt1000 EN 60751/B TEFM NTC10 - 10k3A1 NTC thermistor TEFM NTC10-AN - 10k4A1 NTC thermistor TEFM NTC1800 - 1800kΩ NTC thermistor TEFM NTC4K7 - 4700Ω NTC thermistor TEFM NTC100K - 100kΩ NTC thermistor TEFM NTC20 - 20kΩ NTC thermistor TEFM NTC1800 - 1800kΩ NTC thermistor TEFM NI1000-LG - Ni1000-LG

Accuracy	TEFM PT1000 - $\pm 0.3^{\circ}\text{C}$ (at 0°C) TEFM NTC10, TEFM NTC20, TEFM NTC10-AN & TEFM NTC1800 - $\pm 0.2^{\circ}\text{C}$ (at 25°C) TEFM NI1000-LG - $\pm 0.4^{\circ}\text{C}$ (at 0°C)
Housing	IP20
Ambient Temp	$0..+50^{\circ}\text{C}$
Mounting:	Flush Mounting to Standard UK Wall Wall (2 mounting screws supplied with TEFM
Dimensions	W85 x H85 x D6 mm

Temperature/Resistance

°C	PT1000/Ω	NTC10/Ω	NTC10-AN/Ω	NTC1800/Ω	NTC4K7/Ω	NTC100K/kΩ	NTC20/Ω	Ni1000-LG/Ω
120	1460.6	389.0	483		178	2.913	609	1616.4
100	1385.0	680.0	817		316	5.374	1114	1500.0
90	1347.0	917.7	1084		430	7.463	1541	1444.4
80	1308.9	1258.0	1458		591	10.542	2166	1390.1
75	1289.8	1480.0	1700		698	12.598	2585	1363.5
70	1270.7	1752.0	1990		827	15.124	3099	1337.1
65	1251.6	2082.0	2339		983	18.226	3732	1311.1
60	1232.4	2488.0	2760	542	1175	22.079	4517	1285.4
55	1213.2	2968.0	3271	634	1410	27.014	5494	1260.1
50	1194.0	3603.0	3893	744	1701	33.195	6718	1235.0
45	1174.7	4368.0	4656	878	2061	40.885	8259	1210.2
40	1155.4	5327.0	5594	1042	2512	50.649	10211	1185.7
35	1136.1	6532.0	6754	1243	3077	63.150	12698	1161.5
30	1116.7	8057.0	8197	1491	3791	79.215	15887	1137.6
25	1097.3	10000.0	10000	1800	4700	100.000	20000	1114.0
20	1077.9	12490.0	12268	2187	5864	127.117	25350	1090.7
15	1058.5	15710.0	15136	2675	7364	162.713	32346	1067.6
10	1039.0	19900.0	18787	3295	9314	209.803	41567	1044.8
5	1019.5	25400.0	23462	4090	11868	272.045	53812	1022.3
0	1000.0	32650.0	29490	5117	15242	355.224	70203	1000.0
-5	980.4	42340.0	37316	6456	19737	469.127	92322	978.0
-10	960.9	55330.0	47549	8217	25781	625.338	122431	956.2
-15	941.2	72980.0	61030	10556	33990	839.314	163777	934.7
-20	921.6	97070.0	78930	13696	45253	1137.312	221088	913.5
-25	901.9	130400.0	102890	17959		1555.020	301297	892.5
-30	882.2	177000.0	135233	23811		2148.514	414698	871.7
-40	842.7	336500.0	239831	43409		4256.752	810861	830.8
-50	803.1	670100.0					1659082	790.9