



Technical data sheet

Temperature sensor NTC-5 10k

FUNCTIONS:

- Temperature measuring

CONNECTION

- connector with screw M2
- wire section : $0.05 \div 1.5 \text{ mm}^2 / 30 \div 14 \text{ AWG}$

TECHNICAL DATA:

- Operating temperature: from -40 to 80°C
- Max. power at 25°C : 200mW
- Rated temperature: 25°C
- Rated resistance: $10\text{k}\Omega \pm 5\%$

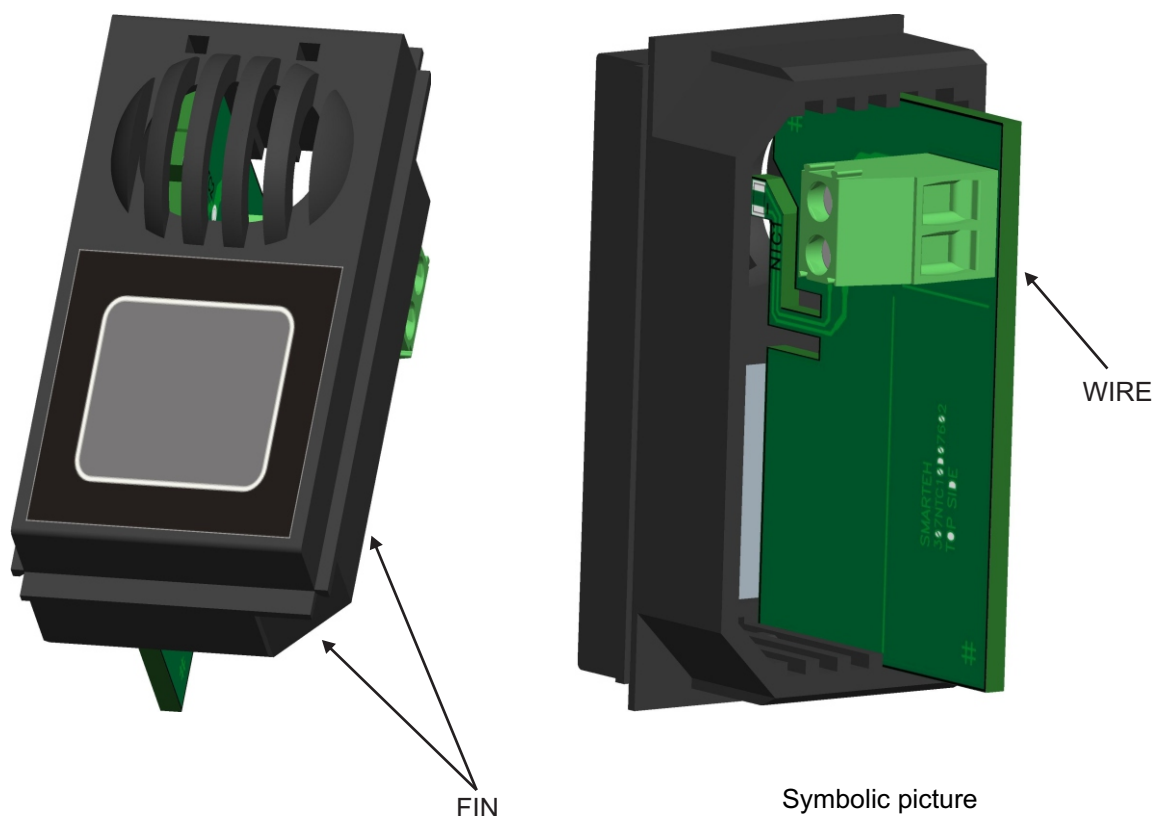
MOUNTING FRAME SELECTION

Frame, suitable for NTC-5 module insertion, should be modular one at least 1 gang wide. Be careful to have corresponding flush-mounting box provided on the place where module will be positioned. Smarteh has verified following lines to be compatible with NTC-5 module:

- Bticino – Living, Light
- Gewiss – Playbus, System
- Vimar – Plana, Idea
- Tem
- Master

Frames of other vendors most probably suits as well, but they were not verified by Smarteh. Before installation verify compatibility of non listed frames.

Module housing has a fin on each side, which can be easily removed with knife cutter or pliers. This adaptation enables housing to be inserted in various frame formats. With regard to frame used you may remove fin for housing to fit in.





	B57891M0103J000					
R/T No.	4901					
T (°C)	B _{25/100} = 3950 K, R ₂₅ = 10000 Ω, T _R = 25 °C, ΔR _R /R _R = 5%					
	R _{nom} [Ω]	R _{min} [Ω]	R _{max} [Ω]	ΔR _R /R _R [%]	ΔT[°C]	α (%/K)
55.0	878900	706410	1051400	19.6	2.8	7.1
50.0	617590	503900	731280	18.4	2.7	6.9
45.0	439340	363580	515100	17.2	2.6	6.7
40.0	316180	265180	367180	16.1	2.5	6.5
35.0	230060	195410	264720	15.1	2.4	6.3
30.0	169150	145400	192900	14.0	2.3	6.1
25.0	125550	109150	141940	13.1	2.2	5.9
20.0	94143	82738	105550	12.1	2.1	5.7
15.0	71172	63195	79150	11.2	2.0	5.5
10.0	54308	48695	59922	10.3	1.9	5.4
5.0	41505	37563	45446	9.5	1.8	5.2
0.0	32014	29233	34795	8.7	1.7	5.0
5.0	25011	23033	26988	7.9	1.6	4.9
10.0	19691	18282	21100	7.2	1.5	4.7
15.0	15618	14614	16622	6.4	1.4	4.6
20.0	12474	11759	13188	5.7	1.3	4.5
25.0	10000	9500	10500	5.0	1.2	4.3
30.0	8080	7619	8541	5.7	1.4	4.2
35.0	6569	6153	6985	6.3	1.6	4.1
40.0	5372	4998	5746	7.0	1.8	4.0
45.0	4424	4090	4757	7.5	2.0	3.9
50.0	3661	3364	3958	8.1	2.2	3.8
55.0	3039	2775	3303	8.7	2.4	3.7
60.0	2536	2302	2770	9.2	2.6	3.6
65.0	2128	1921	2336	9.8	2.8	3.5
70.0	1794	1610	1978	10.3	3.0	3.4
75.0	1518	1355	1682	10.8	3.3	3.3
80.0	1290	1145	1435	11.2	3.5	3.2
85.0	1100	971.4	1229	11.7	3.7	3.1
90.0	941.8	827.2	1056	12.2	4.0	3.1
95.0	809.0	707.0	910.9	12.6	4.2	3.0
100.0	697.2	606.3	788.1	13.0	4.5	2.9
105.0	604.0	522.7	685.3	13.5	4.7	2.9
110.0	524.9	452.1	597.7	13.9	5.0	2.8
115.0	457.3	392.1	522.6	14.3	5.2	2.7
120.0	399.6	341.1	458.2	14.7	5.5	2.7
125.0	350.6	297.9	403.3	15.0	5.8	2.6