

# TR Series Recessed Wall Temperature

- Wide range of thermistor options
- Set-point & override options
- Low-profile design
- Black theater version



## DESCRIPTION

The TR series is designed for use in energy management systems in buildings. The flush mount sensor housing accommodates a wide range of thermistor options for sensing room temperature. Optional setpoint slider and override button can be added for additional control.

## APPLICATIONS

- Room temperature measurement for building automation control

## FEATURES

### The industry's best looking temp sensor

- Fits in any standard j-box or low voltage bracket.
- No exposed screws; unobtrusive tamper resistant design
- Popular colors to match any decor
- Complements CO2 sensor installations

### User Friendly

- Wide range of thermistor options
- Set-point options
- Override options



Alerton TR-ES002 shown

Optional Trim Ring for surface mount applications or mis-sized

## ORDERING

	therm	color	ovrd	s-p
TR -	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>Temperature</b>	C = 100Pt (385) D = 1000Pt (385) E = 10k type 2 F = 10k type 3 G = 10k type 3 w/11k shunt H = 3k I = 2k2 J = 1k8 K = 20k L = 100k			
<b>Color</b>	1 = White <input type="checkbox"/> 6 = Black <input type="checkbox"/>			
<b>Override</b>	A = None B = N.O.			

### Set-point

- A = None
- B = 1000 ohm setpoint slider
- C = 10k ohm setpoint slider

(Write your selected Temperature, Color, Override and Set-Point letters/numbers in the boxes above)

## SPECIFICATIONS

Enclosure	Material	ABS Plastic
	Dimensions	4.7" h x 2.9" w x 1.24" d (0.48" wall profile) (fits low-voltage bracket)



SENA THERMISTOR RESISTANCE-TEMPERATURE TABLES										
	C	D	E	F	G	H	I	J	K	L
	100Pt 385	1000Pt 385	10K T2 B=3892	10K T3 B=3694	10K T3 11K Shunt	3K B=3892	2K2 B=3976	1K8 (100 C) B0/100=4300	20K B=4262	100K B=4461
Temp F	Resistance [Ω]									
0	93.0	930	85.41K	70.40K	9513	25.62K	19.21K	327.5K	193.0K	1015K
5	94.1	941	72.96K	61.02K	9320	21.89K	16.41K	276.6K	163.5K	858.0K
10	95.2	952	62.50K	53.28K	9118	18.75K	14.06K	234.3K	139.7K	732.0K
15	96.3	963	53.69K	46.39K	8892	16.11K	12.08K	199.1K	118.8K	620.7K
20	97.4	974	46.24K	40.49K	8650	13.87K	10.41K	169.6K	101.3K	527.6K
25	98.5	985	39.93K	35.41K	8393	11.98K	8989	145.0K	86.73K	450.6K
30	99.6	996	34.57K	31.19K	8132	10.37K	7783	124.2K	74.87K	388.1K
32	<b>100.0</b>	<b>1000</b>	32.66K	29.49K	8012	9799	7352	116.8K	70.14K	362.9K
35	100.7	1007	30.01K	27.39K	7848	9004	6756	106.7K	64.43K	332.8K
40	101.7	1017	26.11K	24.11K	7554	7834	5878	91.87K	55.55K	285.1K
45	102.8	1028	22.77K	21.26K	7249	6832	5127	79.32K	48.07K	245.7K
50	103.9	1039	19.91K	18.79K	6938	5972	4482	68.66K	41.56K	212.3K
55	105.0	1050	17.44K	16.70K	6632	5233	3927	59.57K	36.31K	184.7K
60	106.1	1061	15.31K	14.81K	6312	4595	3448	51.80K	31.56K	160.0K
65	107.1	1071	13.48K	13.16K	5992	4043	3035	45.15K	27.50K	138.8K
70	108.2	1082	11.88K	11.72K	5675	3565	2676	39.44K	24.04K	120.9K
75	109.3	1093	10.50K	10.50K	5371	3150	2365	34.53K	21.17K	106.1K
77	109.7	1097	<b>10.00K</b>	<b>10.00K</b>	<b>5238</b>	<b>3000</b>	<b>2252</b>	<b>32.76K</b>	<b>20.00K</b>	<b>100.0K</b>
80	110.4	1104	9298	9375	5061	2789	2094	30.30K	18.58K	92.72K
85	111.5	1115	8249	8389	4760	2475	1858	26.64K	16.31K	80.95K
90	112.5	1125	7333	7520	4467	2200	1651	23.47K	14.38K	71.05K
95	113.6	1136	6530	6752	4184	1959	1471	20.71K	12.70K	62.47K
100	114.7	1147	5826	6094	3922	1748	1312	18.32K	11.29K	55.29K
105	115.8	1158	5207	5489	3662	1562	1173	16.24K	9993	48.71K
110	116.8	1168	4663	4951	3414	1399	1050	14.41K	8865	42.98K
115	117.9	1179	4182	4473	3180	1254	942	12.82K	7888	38.05K
120	119.0	1190	3757	4062	2966	1127	846	11.42K	7058	33.90K
125	120.0	1200	3381	3680	2758	1014	761	10.20K	6301	30.11K
130	121.1	1211	3047	3338	2561	914	686	9116	5623	26.71K
135	122.2	1222	2751	3033	2378	825	620	8164	5036	23.80K
140	123.2	1232	2487	2760	2206	746	560	7324	4518	21.24K
145	124.3	1243	2252	2522	2052	676	507	6581	4076	19.06K
150	125.4	1254	2043	2301	1903	613	460	5922	3664	17.04K