
SUPPLEMENTAL INSTRUCTIONS

8403-062 Remote Indoor Air Temperature Sensor

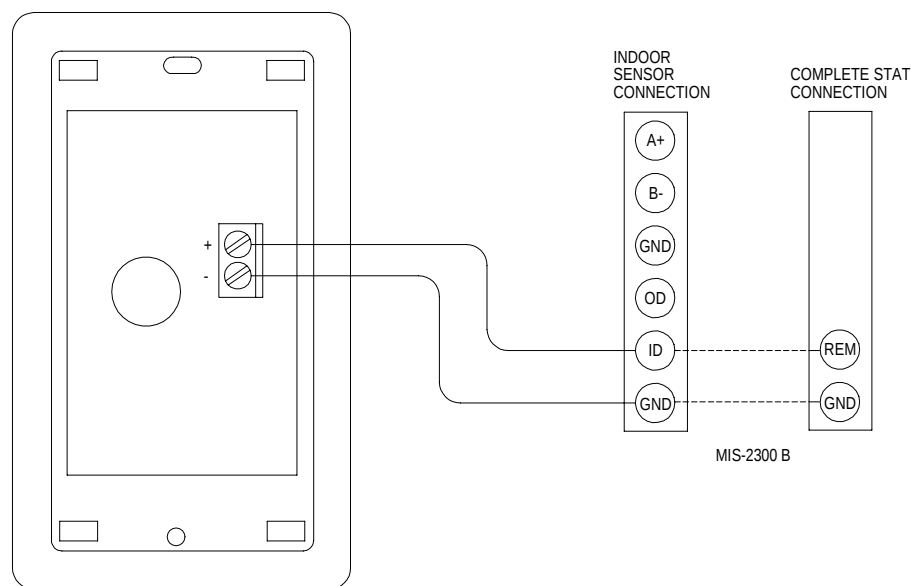
Installation

Carefully read and follow entire instructions before starting the installation. Follow all local electrical codes during installation. All wiring must conform to local and national electrical codes. Improper wiring or installation may damage the controller sensor.

The 8403-062 Remote Indoor Temperature Sensor is a 10k-ohm Type II thermistor, which can be used as an accessory for use with Bard 8403-060 controller system or the Bard CompleteStat controller series. The 8403-060 can be configured to control using the 8403-062 remote sensor as the only sensor, or to average the measured temperature at the remote sensor location with the temperature at the controller location.

1. Shielded twisted pair, 22 AWG (or heavier) should be used to avoid possible interference from other electrical systems. The shield (drain) should be connected to 24V Common (C) on the controller end.
2. The sensor comes with a cover and mounting base to mount and protect the remote indoor sensor.
3. Select the exact mounting location and route a 2-conductor interconnecting wire between the remote indoor sensor and the 8403-060 controller location.
4. Terminate the interconnection wiring at the two screw terminals on the remote indoor sensor. See Figure 1 for 8403-060 and CompleteStat connections.

FIGURE 1



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Bryan, Ohio 43506
www.bardhvac.com

Manual: 7960-554B
Supersedes: 7960-554A
Date: 10-2-20

5. The termination point at the controller will be GND and ID terminals at the right side of the controller subbase. Sensor polarity is not important.

Testing Completed Wiring

When the 8403-062 sensor is properly connected, the 8403-060 controller will recognize the sensor connection and automatically place Remote Indoor Sensor selection options in the Installer menu.

Access Installer menu and go to Remote Indoor Sensor option. Select either "Remote sensor only" or "Average with stat".

See Table 1 for Temperature/Ohm relationship of the sensor.

TABLE 1
Degrees F/Ω

Temp °F	Ω	Temp °F	Ω	Temp °F	Ω	Temp °F	Ω
0	85,378	33	31,738	66	13,138	99	5,961
1	82,710	34	30,855	67	12,811	100	5,827
2	80,135	35	30,000	68	12,493	101	5,697
3	77,649	36	29,171	69	12,184	102	5,570
4	75,249	37	28,367	70	11,883	103	5,446
5	72,931	38	27,589	71	11,591	104	5,326
6	70,693	39	26,834	72	11,307	105	5,208
7	68,531	40	26,103	73	11,031	106	5,094
8	66,442	41	25,394	74	10,762	107	4,982
9	64,475	42	24,706	75	10,501	108	4,873
10	62,475	43	24,039	76	10,247	109	4,767
11	60,592	44	23,393	77	10,000	110	4,663
12	58,771	45	22,766	78	9,760	111	4,562
13	57,012	46	22,158	79	9,526	112	4,464
14	55,311	47	21,568	80	9,298	113	4,368
15	53,667	48	20,996	81	9,077	114	4,274
16	52,077	49	20,441	82	8,862	115	4,183
17	50,540	50	19,902	83	8,651	116	4,094
18	49,054	51	19,379	84	8,448	117	4,007
19	47,616	52	18,872	85	8,250	118	3,922
20	46,225	53	18,379	86	8,056	119	3,839
21	44,880	54	17,902	87	7,868	120	3,758
22	43,578	55	17,438	88	7,685	121	3,679
23	42,318	56	16,987	89	7,507	122	3,602
24	41,099	57	16,550	90	7,333	123	3,527
25	39,920	58	16,125	91	7,164	124	3,453
26	38,778	59	15,713	92	7,000	125	3,382
27	37,672	60	15,312	93	6,839	126	3,312
28	36,602	61	14,923	94	6,683	127	3,243
29	35,566	62	14,545	95	6,531	128	3,177
30	34,563	63	14,178	96	6,383	129	3,112
31	33,591	64	13,822	97	6,238	130	3,048
32	32,650	65	13,475	98	6,098		