

tekmar® Submittal

Outdoor Sensor 070



Accessories

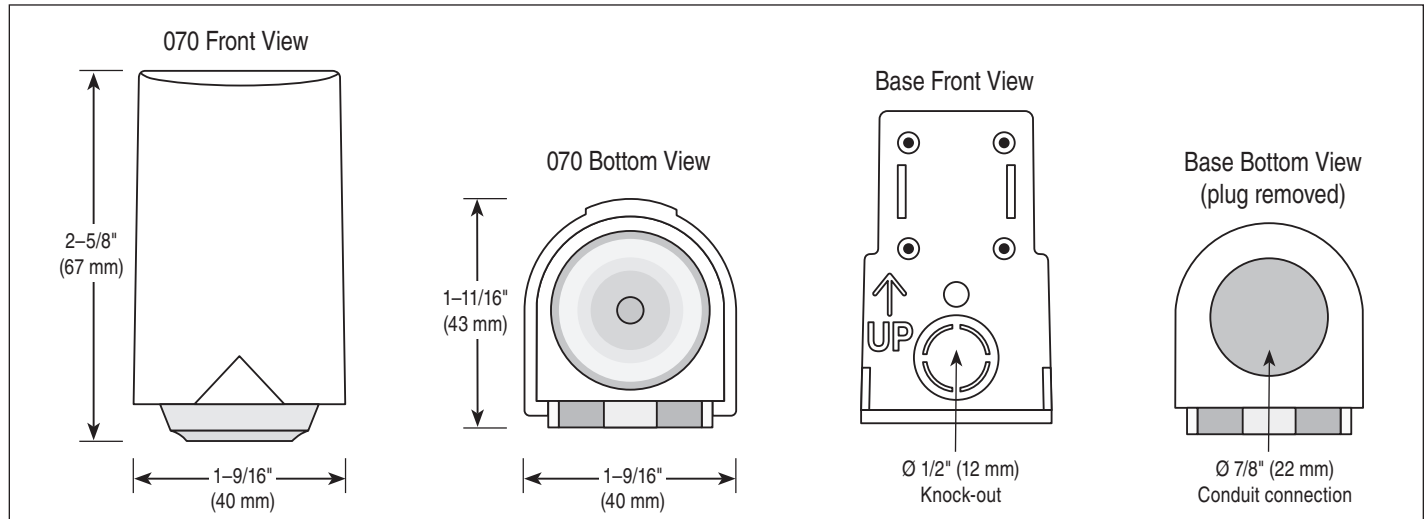
C070

06/16

Replaces: 01/11

Job _____ Designer _____ Contact _____

The Outdoor Sensor 070 is designed to provide accurate sensing of the outdoor temperature for display and control operation. Controls that operate based on Outdoor Temperature Reset use this product to provide outdoor reset operation. Many controls and thermostats can connect to the 070 to display the outdoor temperature on their LCD screens.



Specifications

Outdoor Sensor 070	
Literature	070_D, 070_C
Packaged weight	0.17 lb. (77 g)
Dimensions	2-5/8" H x 1-9/16" W x 1-11/16" D (67 x 40 x 43 mm)
Enclosure	White PVC plastic, NEMA type 2
Operating range	-60 to 140°F (-51 to 60°C)
Sensor	NTC thermistor, 10 kΩ @ 77°F (25°C ±0.2°C) β=3892
Warranty	Limited 3 Year (See 070_D for full warranty)

Features

- 10K thermistor
- UV resistant enclosure
- Sensor built-in
- Back or bottom wiring access
- Removable bottom plug for easy conduit connection
- Compact size

Temperature vs. Resistance

Temperature vs. Resistance			Temperature vs. Resistance			Temperature vs. Resistance			Temperature vs. Resistance		
°F	°C	Ω	°F	°C	Ω	°F	°C	Ω	°F	°C	Ω
-50	-46	490,813	20	-7	46,218	90	32	7,334	160	71	1,689
-45	-43	405,710	25	-4	39,913	95	35	6,532	165	74	1,538
-40	-40	336,606	30	-1	34,558	100	38	5,828	170	77	1,403
-35	-37	280,279	35	2	29,996	105	41	5,210	175	79	1,281
-30	-34	234,196	40	4	26,099	110	43	4,665	180	82	1,172
-25	-32	196,358	45	7	22,763	115	46	4,184	185	85	1,073
-20	-29	165,180	50	10	19,900	120	49	3,760	190	88	983
-15	-26	139,402	55	13	17,436	125	52	3,383	195	91	903
-10	-23	118,018	60	16	15,311	130	54	3,050	200	93	829
-5	-21	100,221	65	18	13,474	135	57	2,754	205	96	763
0	-18	85,362	70	21	11,883	140	60	2,490	210	99	703
5	-15	72,918	75	24	10,501	145	63	2,255	215	102	648
10	-12	62,465	80	27	9,299	150	66	2,045	220	104	598
15	-9	53,658	85	29	8,250	155	68	1,857	225	107	553



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