

tekmar® Submittal

Outdoor Sensor 070



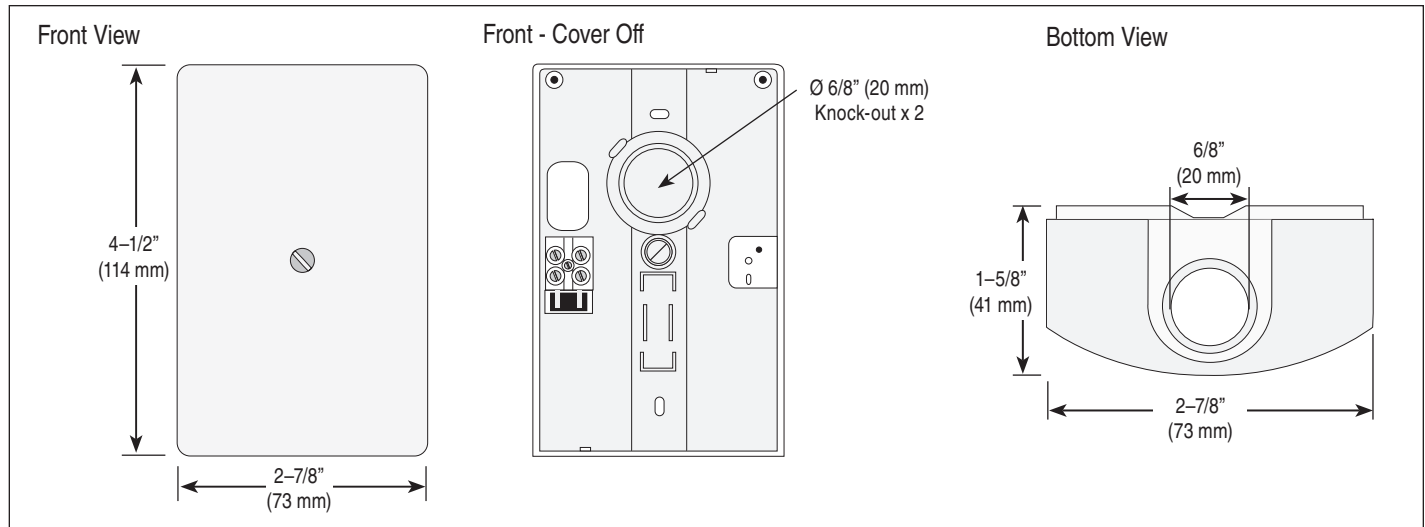
C070

01/11

Accessories Replaces: New

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	D070
Packaged weight	0.4 lb. (180 g)
Dimensions	4-1/2" H x 2-7/8" W x 1-1/2" D (73 x 114 x 38 mm)
Enclosure	White PVC plastic, NEMA type 2
Approvals	CSA C US
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 D070 for full warranty)

Features

- 10K thermistor
- UV resistant enclosure
- Mounts directly to a wall or 2" X 4" electrical box
- Sensor built right into enclosure

Temperature vs. Resistance

Temperature		Resistance	Temperature		Resistance	Temperature		Resistance	Temperature		Resistance
°F	°C	Ω	°F	°C	Ω	°F	°C	Ω	°F	°C	Ω
-40°	-40°	336,479	68°	20°	12,493	176°	80°	1,255	284°	140°	235
-31°	-35°	242,681	77°	25°	10,000	185°	85°	1,070	293°	145°	208
-22°	-30°	176,974	86°	30°	8,057	194°	90°	915	302°	150°	186
-13°	-25°	130,421	95°	35°	6,531	203°	95°	786	311°	155°	166
-4°	-20°	97,081	104°	40°	5,326	212°	100°	678	320°	160°	148
5°	-15°	72,957	113°	45°	4,368	221°	105°	587	329°	165°	133
14°	-10°	55,329	122°	50°	3,602	230°	110°	510	338°	170°	119
23°	-5°	42,327	131°	55°	2,986	239°	115°	445	347°	175°	107
32°	0°	32,650	140°	60°	2,488	248°	120°	389	356°	180°	97
41°	5°	25,392	149°	65°	2,083	257°	125°	341	365°	185°	87
50°	10°	19,901	158°	70°	1,752	266°	130°	301	374°	190°	79
59°	15°	15,712	167°	75°	1,480	275°	135°	265	383°	195°	72

SPECIAL REQUIREMENTS

N / A



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