

tekmar® Submittal

Three Outdoor Sensor Module 081



C 081

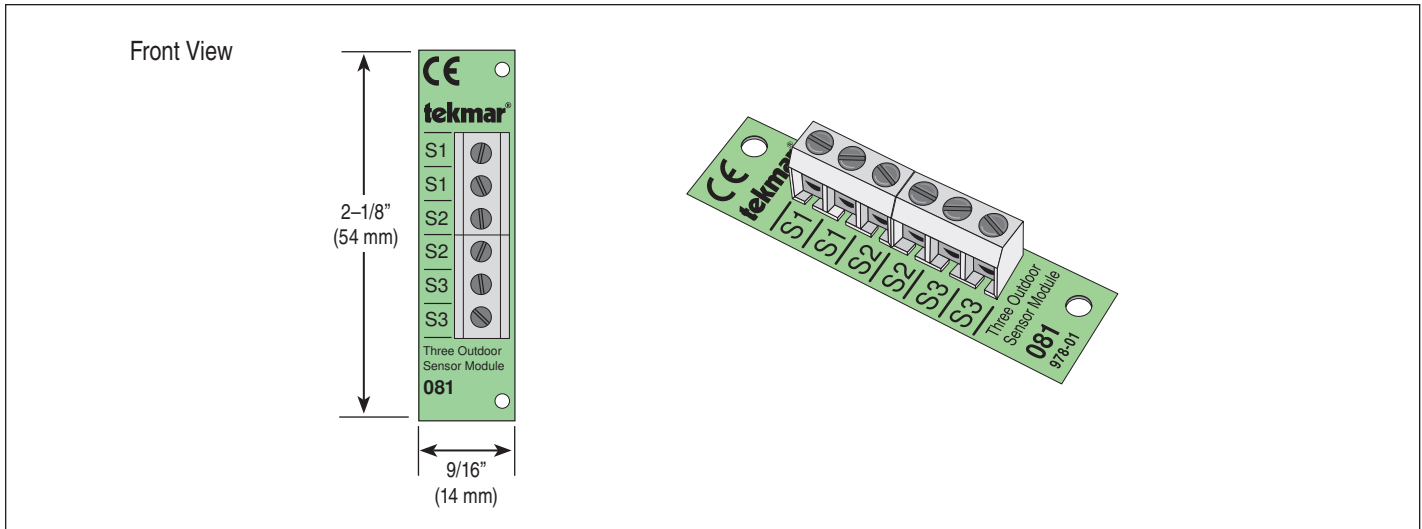
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Accessories

Replaces: New

Job _____ Designer _____ Contact _____

The Three Outdoor Sensor Module 081 includes three 10 kΩ thermistors which provides an accurate measurement of the outdoor temperature. Each sensor has two separate terminals for wiring. The 081 is designed to be installed in a tekmar Outdoor Sensor 070 enclosure. This allows for four separate sensors to be combined into a single enclosure that is mounted on the exterior of the building.



Specifications

Three Outdoor Sensor Module 081	
Literature	D081
Packaged weight	0.1 lb (50 g)
Dimensions	2-1/8" H x 9/16" W x 9/16" D (54 x 14 x 14 mm)
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 D081 for full warranty)

Features

- Provides outdoor temperature readings for multiple controls in one enclosure
- Provides redundant sensors for one control

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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