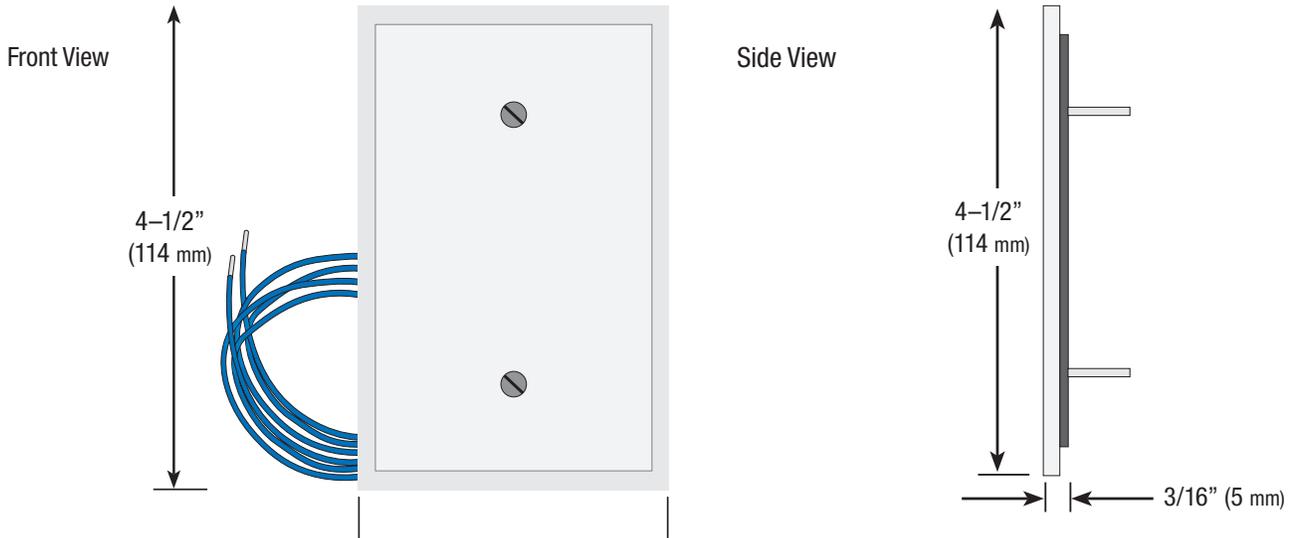


Submittal

Job _____ Designer _____ Contact _____

Indoor Sensor 077

The Indoor Sensor 077 is designed to act as a remote indoor temperature sensor. It can be used in a number of applications for indoor temperature sensing, and is sized for attachment to a 2" x 4" electrical box. This is a 10K thermistor designed to be installed with a compatible tekmar thermostat or control.



Features

- 10K thermistor
- Compatible with tekmar thermostats that support auxiliary sensors

Special Requirements

This sensor is designed to be mounted on a 2" x 4" electrical box

Specifications

Indoor Sensor 077

Literature	D077
Packaged weight	0.2 lb. (90 g), baked enamel (white) on steel
Dimensions	4½" H x 2⅞" W x ½" D (114 x 73 x 13 mm), ⅜" D (5 mm) when installed
Approvals	CSA C US
Operating range	Splashproof, -60 to 140°F (-51 to 60°C)
Sensor	NTC thermistor, 10 kΩ @ 77°F (25°C ±0.2°C) β=3892
Sensor leads	12" (30 cm) 20 AWG, XLPE multi strand
Backing	¼" expanded neoprene gasket
Environmental	Do not use in presence of ammonia such as animal barns
Included	Two 6-32 x 1" screws
Warranty	Limited 3 Year (See D077 for full warranty)

tekmar product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact tekmar Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on tekmar products previously or subsequently sold.

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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



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All specifications are subject to change without notice.

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