

tekmar® Submittal

Slab Sensor 072

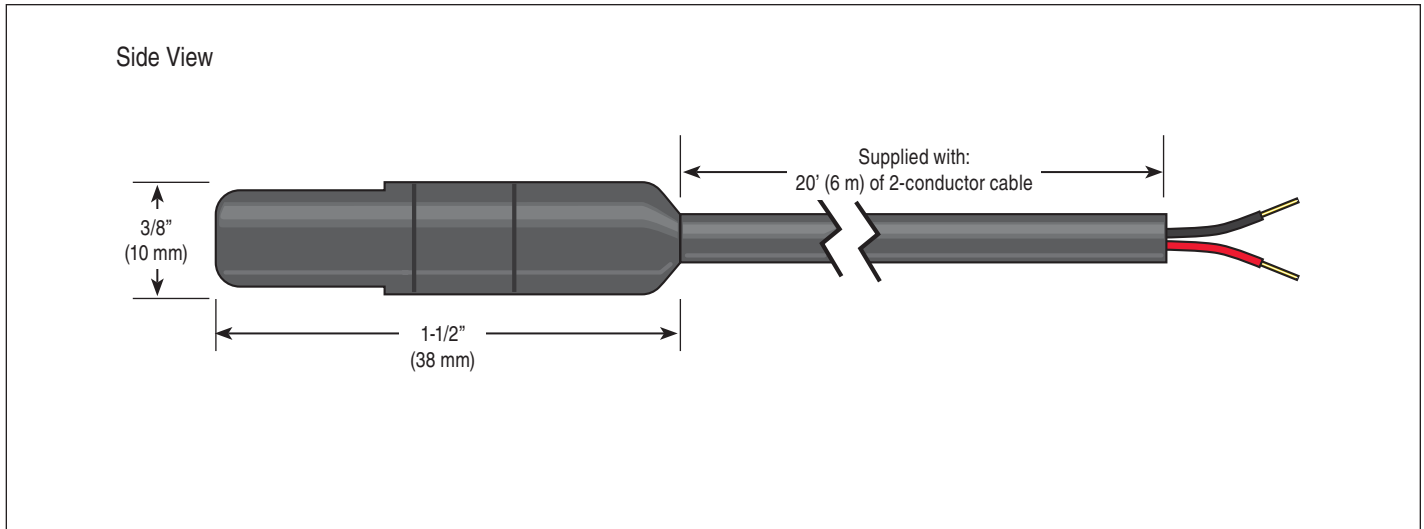


072_C
10/12

Accessories Replaces: 01/11

Job _____ Designer _____ Contact _____

The Slab Sensor 072 is designed to measure temperature under outside snow melting slabs. It has a high density polyethylene (HDPE) sleeve which is designed for use in conduits, soils, or concrete, as it is suitable for direct burial. This product is supplied with 20 ft (6 m) of 2 conductor cable.



Specifications

Slab Sensor 072	
Literature	072_D
Packaged weight	0.4 lb (180 g)
Sensor Material	HDPE sleeve, 20' (6 m) HDPE jacketed wire
Dimensions	3/8" OD x 1 1/2" (10 OD x 38 mm)
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 072_D for full warranty)

Energy Saving Features

- 10K thermistor
- Water resistant
- 20 ft cable

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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