

tekmar® Submittal

Slab Sensor 079



Accessories

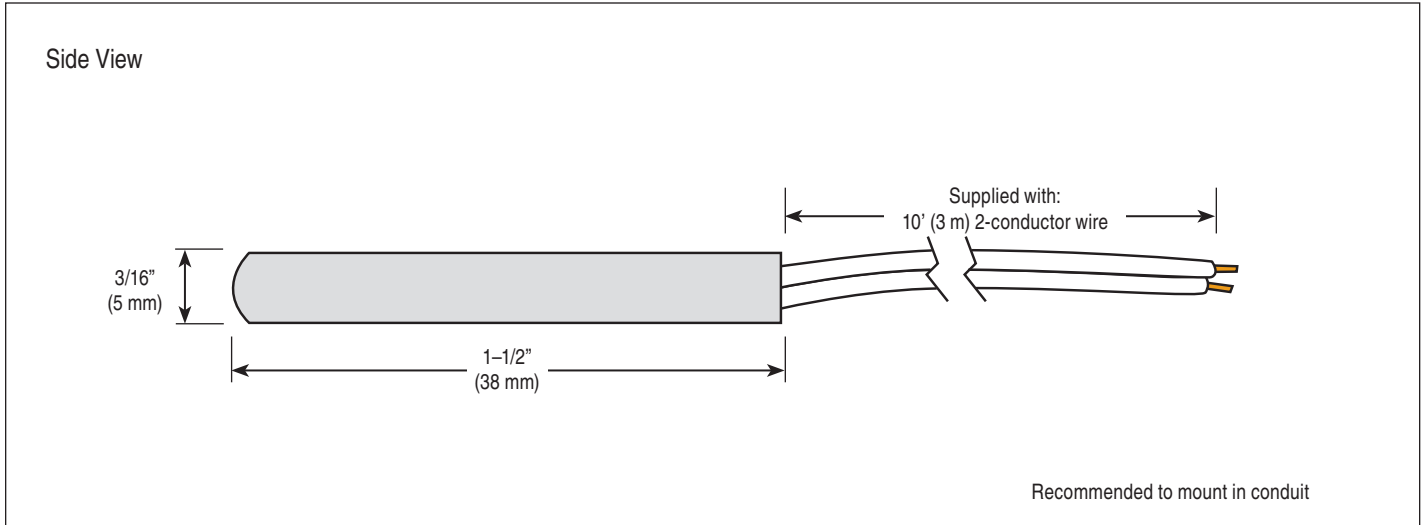
C079

01/11

Replaces: New

Job _____ Designer _____ Contact _____

The Slab Sensor 079 is commonly used for floor temperature sensing in floor heating applications. The thin casing allows for retrofit installation between tile spaces if necessary. This sensor is designed to provide a thermostat with the ability to maintain a minimum slab temperature, or help to limit the maximum slab temperature.



Specifications

Slab Sensor 079	
Literature	D079
Packaged weight	0.1 lb. (50 g), 316 stainless steel, 10' (3 m) 24 AWG, 300 volt PVC insulated Zipcord
Dimensions	3/16" OD x 1-1/2" (5 OD x 38 mm)
Approvals	CSA C US
Operating range	-58 to 140°F (-50 to 60°C)
Sensor	NTC thermistor, 10 kΩ @ 77°F (25°C ±0.2°C) β=3892
Warranty	Limited 3 Year (See D079 for full warranty)

Features

- 10K thermistor
- Thin profile to simplify installation
- Compatible with tekmar thermostats that support slab sensing

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

It is always strongly recommended to install a tekmar slab sensor in a conduit to allow for easy inspection or replacement.



tekmar Control Systems Ltd., Canada, tekmar Control Systems, Inc., U.S.A. **Head Office: 5100 Silver Star Road, Vernon, B.C. Canada V1B 3K4, 250-545-7749, Fax. 250-545-0650 Web Site: www.tekmarcontrols.com**

