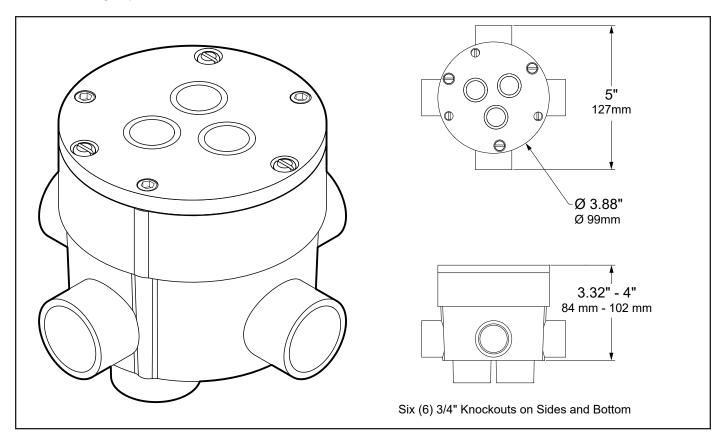


Energy Efficient Snow Melting MODEL SIT®-6E PAVEMENT-MOUNTED SNOW & ICE SENSOR

FEATURES & BENEFITS

- Control based upon pavement conditions
- Rugged construction
- Simple installation
- · Low voltage operation

- Reliable snow melting
- · Minimum energy cost
- Long trouble-free life
- · NEC Class 2 for wet locations



DESCRIPTION

The Snow Switch Model SIT–6E Pavement-Mounted Snow and Ice Sensor reliably detects snow and ice conditions on pavement surfaces when used with any Environmental Technology (ETI) APS, Pro Series, or EUR model control panel. The SIT–6E pavement sensor ensures that deicing heaters operate only while needed which minimizes energy costs without sacrificing snow melting effectiveness.

As part of a snow melting system, an SIT-6E sensor will signal for

snow and ice melting at pavement temperatures below 38°F (3.3°C) while moisture in any form—including water, snow, sleet or ice—is present.

It's important for the sensor to be level with the pavement surrounding it. A Pavement Sensor Housing, ETI part number 23832 (sold separately), is needed for each pavement sensor. This housing supports the sensor within the pavement and includes adjustment screws that allow proper leveling with the pavement surface.

For best results, consider using the SIT-6E pavement sensor together with a CIT-1 aerial snow sensor. Including a CIT-1 sensor will allow the snow/ice melting system to energize as soon as falling precipitation (e.g., snow or freezing rain) is detectable.

The SIT-6E is an exceptionally capable pavement sensor. For complete information describing its application, installation and features, please contact Customer Service or check on the web at networketi.com.

SPECIFICATIONS

General

	Area of Use	Pavement				
	Activation Temperature	38° F (3.3° C)				
	Heater Hold-on Time	0 Hours (User configurable to 0, 1, 2, 3, 4, 5, or 6 hours)				
	Materials	Brass with Epoxy and Polyurethane Fill				
	Weight	1.1 lb (0.5 kg)				
	Dimensions	Top Diameter: 3.875 in (9.84 cm) Top Thickness: 0.25 in (6.35 mm) Mounting Depth: 2 in (5 cm)				
E	Electrical					
	Circuit type	NEC Class 2				
	Supply voltage	24 VAC +/- 15% (supplied by panel)				
	Supply Current	5 mA idle, 0.25 A max., 6 W max.				
	Snow/Ice Sense Response Time	10 to 20 seconds				
	Output Signal	Voltage drop				
	Output Off	>1 MΩ to ground, max. 30 V external				
	Output On (snow/ice present)	< 0.85 V at 10 mA to ground < 2.6 V at 80 mA to ground; Current Limited				
	Bus-wire type	Direct Burial 3-Conductor 18 AWG				
	Lead Length	 60 ft (18.3 m) included; may be extended: Up to 500' (152m) using 18 AWG 3-wire jacketed cable Up to 2,000' (609m) using 12 AWG 3-wire jacketed cable 				
	Self Test Mode	Checks temperature, heater, and sensor grid. Indicates results with output and current pulses (see manual).				
Environmental						
	Operating temperature	-40°F to 160°F (-40°C to 71°C)				
	Storage temperature	-50°F to 180°F (-45°C to 82°C)				

ORDERING INFORMATION

Order Number	Description
24219	SIT-6E Pavement-Mounted Sensor (requires 23832 Pavement Sensor Housing)
23832	Pavement Sensor Housing

Compatible Control Panels (Required: Not Included)

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*	APS-3C Snow Switch	
*	APS-4C Snow Switch	
21497	EUR-5A Snow Switch	
23738	PD Pro Snow Switch	
23920	GF Pro Snow Switch	

^{*} Order number dependent on voltage. Please consult Customer Service.

LIMITED WARRANTY

Environmental Technology provides a two-year limited warranty that covers any defects in workmanship or materials. Contact Customer Service for complete warranty information.

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