Warmup®

The world's **best-selling** electric floor heating brand™

PRODUCT CODE

SIT-6E

PRODUCT DESCRIPTION

The SIT–6E, reliably detects snow and ice conditions on pavement surfaces. This ensures that deicing heaters operate only while needed which minimizes energy costs without sacrificing snow melting effectiveness.
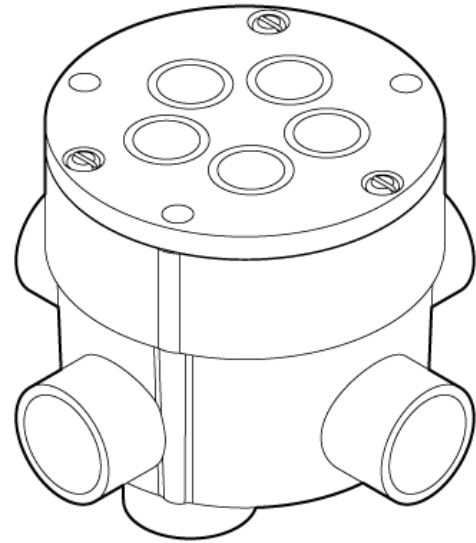A built-in hold-on timer keeps heaters operating for an hour after snow stops to help ensure complete snow melting.

The SIT–6E senses snow as moisture detected between the limits of -30 and 38°F. Operation in the 32 to 38 degree temperature range eliminates unnecessary heater operation.

The SIT–6E accurately measures pavement temperature by compensating for its internal heating. This eliminates the cost and complexity of a separate pavement temperature sensor. For improved efficiency, the SIT–6E mounts closely to the deicing heaters to ensure that pavement and sensor become dry at about the same time.

The new mounting system helps align the SIT–6E with the pavement surface. Six available conduit locations add to installation flexibility and simplicity. The sensor subassembly is field replaceable without disturbing the pavement. The SIT–6E is a NEC Class 2 low voltage device which simplifies installation.

Only brass, epoxy, and stainless steel are exposed to the pavement surface. Precision machining gives the SIT–6E a handsome appearance that will please the building owner, engineer, and architect.

SPECIFICATION

Area of Use	Pavement
Heater hold-on timer	1 hour
Activation Temperature	38°F (3.37°C)
Circuit type	NEC Class 2
Supply voltage	24 VAC (Supplied by panel)
Bus-wire type	3-wire jacketed cable
Lead Length	Up to 2,000' (609m) using 12 AWG 3-wire jacketed cable Up to 500' (152m) using 18 AWG 3-wire jacketed cable
Operating temperature	−40°F to 160°F (−40°C to 71°C)
Storage temperature	−50°F to 180°F (−45°C to 82°C)

WARMUP INC.
USA: us@warmup.com
Tel.: 1-888-927-6333
www.warmup.com

CANADA: ca@warmup.com
Tel.: 1-888-592-7687
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PRODUCT LISTING

Code	Description	Amp (A)
COMMBOX-600	Plug-and-Play outdoor controller with 4 x 50A/3pole contactors allowing for a total load of 600A with a minimum power supply of 60A. Comes in LED enclosure with GFEP protection, built-in Digital controller and ground temperature sensor.	600A
AIRsense	Outdoor moisture and temperature sensor, supplied with mounting bracket.	N/A
APS-3C	Snow Melting Controller with incl. slab sensor and built-in dry contacts for EMC and remote control. Rated 208-277V single phase.	N/A
SIT-6E	Surface-mounted snow and ice sensor used with APS series panels. Detects moisture and temperatures and triggers below 38°F for energy-efficient operation. Easy mounting in slabs with multiple conduit connections.	N/A
CIT-1	The maintenance free CIT sensors activate snow melting systems below 38°F and provide automatic triggering of APS series panels. Mast or roof mounting.	N/A
GIT-1	GIT-1 gutter sensor for APS-3C panel. Measures moisture & temperature. Active below 38F.	N/A
GF-PRO	Automatic Controller with GFEP and GF Load	30A

WARRANTY & MAINTENANCE

When installed according to the installation manual, the SIT-6E is covered with Warmup's 1-year manufacturer warranty.

TECHNICAL SUPPORT

Warmup is available 24/7/365 at (888) 927-6333.
For quotes, layouts and specific technical information, contact us at:

Warmup USA
52 Federal Rd #1F, Danbury, CT 06810
(888) 927-6333
us@warmup.com

Warmup CANADA
374 Wellington St W, Toronto, ON M5V 1E3
(905) 990-2075
ca@warmup.com

RELATED PRODUCTS

- CIT-1 Aerial Snow Sensor - see WSC-1104
- GIT-1 Pavement Mounted Snow Sensor - see WSC-1304
- APS-3C Snow Melting and Gutter De-icing - see WSC-1404
- GF-PRO Snow Switch Model - see WSC-1504

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