SNO-0110 & SNO-0111 (Optical Sensor & Socket)

Technical Data Sheet



Submittal: HBX SNO-0110 & SNO-0111

Project: [

HBX Control Systems Inc. - Specification

Part 1: SNO-0110 & SNO-0111 Product

- 1. The Sensor/Detector (SNO-0110) must be capable of determining a snowfall rate/intensity and transmit a corresponding digital signal to the main control unit. The Sensor/Detector must use optics for snow and ice detection.
- 2. The Sensor/Detector must be capable of directly interfacing to the HBX SNO-0550 snowmelt control.
- 3. The Sensor/Detector must have an integrated slab sensor.
- 4. The Sensor/Detector must allow for remote (not in-slab) mounting.
- 5. The Sensor Socket (SNO-0111) must have leveling locations on base, and knockouts for conduit.
- 6. The Sensor Socket must provide a temporary protective cover to keep debris out of the Sensor Socket while snowmelt slab is under construction.
- 7. The Sensor/Detector and Socket must be ETL approved.

Part 2: Acceptable Products

1. HBX SNO-0110 & SNO-0111





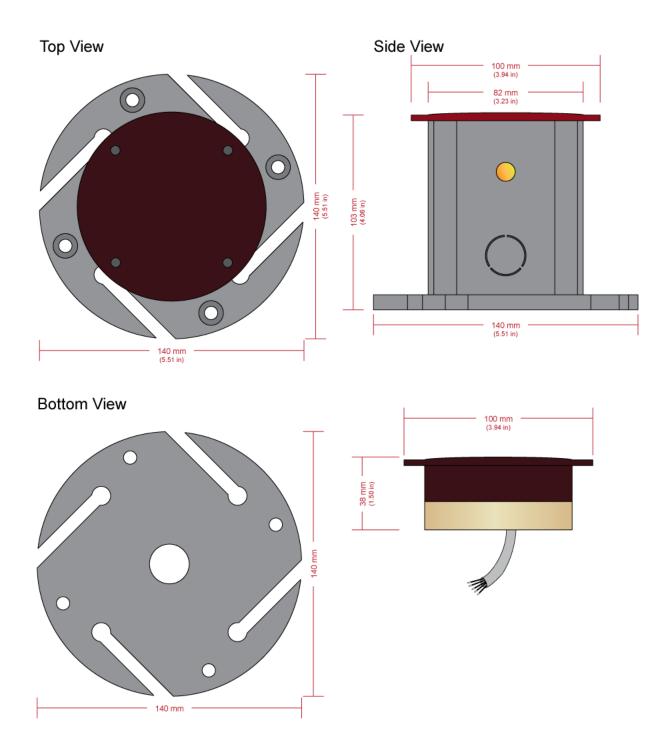








Part 3: Physical Dimensions















Part 4: Technical Data, Main Parts & Labels

Inputs/Outputs:
N/A
Power supply:
N/A
Supplied Parts:
SNO-0110:
Sensor Cable – 100ft, 22 AWG, 5 conductors 4 x Stainless Steel 4 x 25mm machine screws HBX 029-0049 - Remote Slab Sensor (10 feet)
SNO-0111:
Cover plate (dud sensor) 4 x Stainless Steel 4 x 25mm machine screws
Weight 0.45 KG (1.00 lb)
Socket Dimensions: 140mm x 103mm H x 100mm D
Sensor Dimensions: 100mm x 38mm H x 100mm D
ETL Listings:
Meets CSA C22.2 No. 24 Meets UL Standard 873 ETL Control No. 3068143
Storage: 50°F to 104°F (10°C to 40°C)
Terminal Block Labels: N/A













Wiring

1, 2, 3, 4, 5: Snowmelt Optical sensor

Connection order:

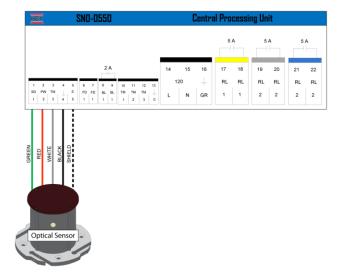
Contact 1 - Green

Contact 2 - Red

Contact 3 - White

Contact 4 - Black

Contact 5 - Shield



Remote Slab Wiring

1, 2, 3, 4, 5: Snowmelt Optical sensor

Connection order:

Contact 1 - Green

Contact 2 - Red

Contact 3 - Slab Sensor

Contact 4 - Black

Contact 5 – Slab Sensor

