

ArcticSense

Track and Switch Snow Sensor

ArcticSense

Thermon's ArcticSense is specifically designed to detect precipitation in the form of snow, sleet or rain from any angle of incidence, making it ideal for detecting both falling and drifting snow in high winds.

Rigorous testing and field evaluations against competitive sensors was integral to the ArcticSense design and development process. The result is a proven design with class leading performance and reliability, ideally tailored for harsh environments. Versatile construction allows for multiple mounting options such as: aerial, ground, duct or custom applications.

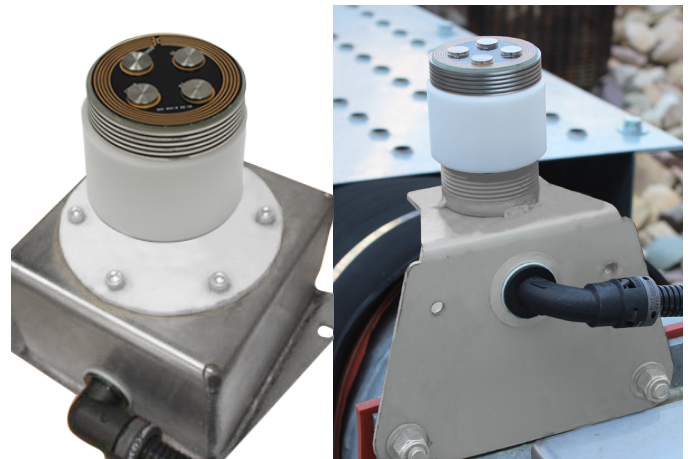
BENEFITS

- Reliably detects both falling and blowing snow.
- Provides reliable automatic control which minimizes dispatcher involvement and reduces switch heating life cycle cost.
- Rugged construction
- Corrosion resistant
- Easy integration to existing Fastrax™ snow clearing products, SwitchBlade, Hellfire and FEB.
- Easily maintained



FEATURES

- Increased sensitivity detects the slightest snowfall.
- Compact, solid construction makes it extremely rugged and suitable for the harsh railroad environment.
- 360° of vertical side sensing surface provides for snow detection from any direction.
- Designed for harsh EMI and surge environments. Tested to both IEC62236-4 and AREMA standards.
- Tunable controls: Snow/rain temperature set point and moisture sensitivity.
- Stainless steel side sensing electrodes.
- Custom Applications



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ARCTICSENSE

Weather tight, fully encapsulated construction adds strength and protects internal components

Top sensing grid with corrosion resistant gold tracings

Stainless steel hardware

Stacked 304SST sensing plates
(Provides 360 degrees of corrosion resistant sensing surface for blowing and drifting snow)

Robust Polymer 1 1/2"NPT mounting cap
(Provides isolation and mounting versatility)



RELATED PRODUCTS

- Switchblade® Rail Heater
- Platform Heaters
- HELLFIRE and EMS
- Ballast Heaters
- Round Tubular
- Control Panels
- FEB Electric Hot Air Blower Switch Heater
- Track and Switch Heating Packages
- Crib Heaters