

AER-1 | Outdoor Aerial Snow & Ice Sensor AER-WM | Aerial Snow & Ice Sensor Wall Mount Bracket

Features & Benefits

- Electronic Aerial Snow and Ice sensor
- Compatible with Frio S1-A-0002 and Frio S1-A-0001 Heat Trace Controllers.
- Requires 24VAC power supply
- Can be mounted using the metal rust-free wall mount bracket (AER-WM) or on a vertical piece of conduit
- Kit includes anti-nesting bird spikes and plastic protective cover to limit summer dust buildup
- 4 wire installation – 30 ft. cable supplied with the sensor



Description

The AER-1 is a reliable aerial Snow and Ice sensor. Installed outdoors it measures the temperature and detects snow, sending the information via the Frio S1-A controller to the heating system.

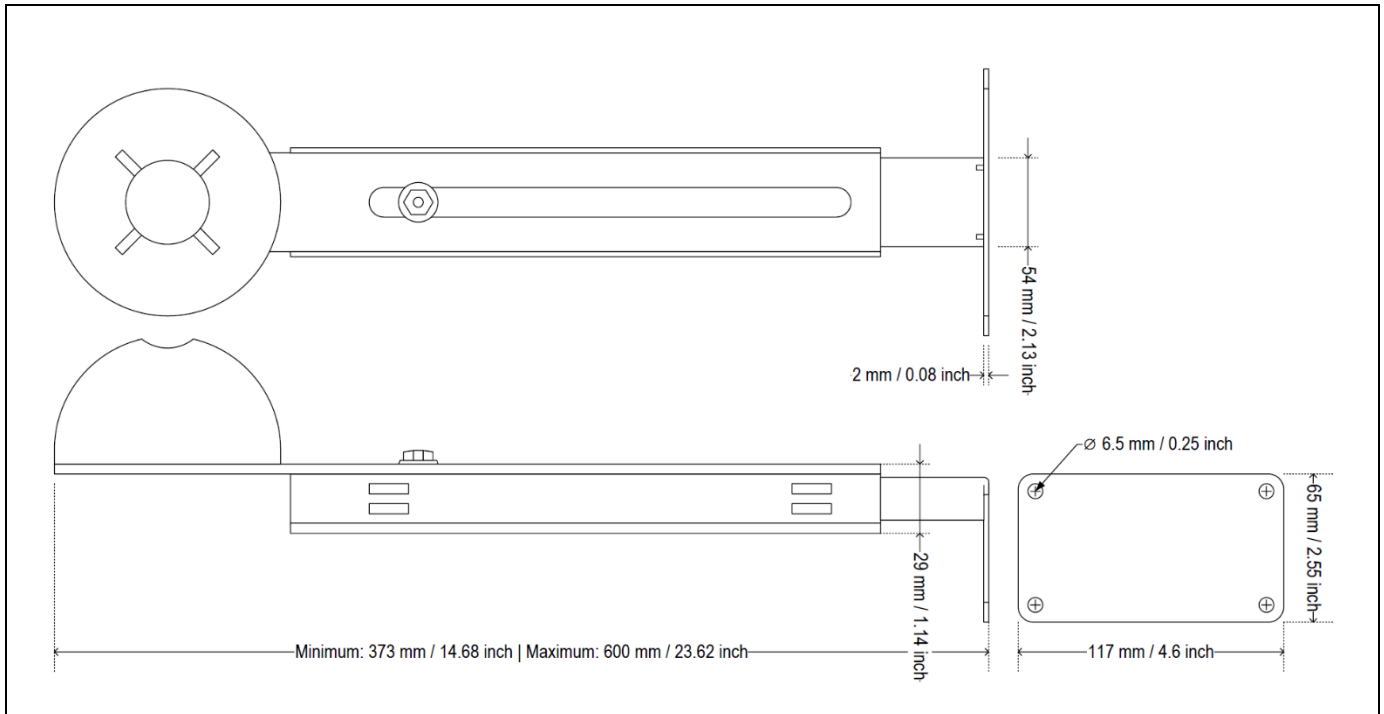
The AER-1 is connected to the Frio S1-A controller via a junction box (SM-JB1) with a 30 feet (10 m.), 24V 4 wires cable. The sensor provides a temperature value and snow detection based on pre-configured parameters. The plastic "igloo" shape design helps to assure reliable Snow/Ice detection as it prevents from the snow to accumulate around the sensing area. The 4 holes around the sensor hold the Anti Nesting spikes, keeping birds away from the sensor.

The sensor cap helps to keep the sensing area clean from dust and dirt during summer time and when the snow melting system is not used.

The AER-1 can be mounted on a vertical piece of conduit or by using the optional wall mount bracket (AER-WM).

The Frio S1-A system can work with up 6 total GUT-1 or AER-1 Snow Sensors.

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Dimensions



Technical specifications

Enclosure Protection	IP65, Outdoor Mounting	Supply	24VAC \pm 20%,50-60Hz
Entries	33 ft. (10 m) Four wires cable: 2x18AWG power supply wires 2x22AWG communication wires	Communication	RS485
Material	Plastic: ASA WR9160 (AER-1) Metal: Galvanized cold rolled (AER-WM)	Operating temp.	-40°F to 122°F (-40° C to 50°C)
		Storage temp.	-50°F to 158°F (-40°C to 70°C)

The performance specifications are nominal and conform to acceptable industry standards. For applications at conditions beyond these specifications, consult Frio Controls or representative. Frio Controls shall not be liable for damages resulting from misapplication or misuse of its products. This document is subject to change without any notice.

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