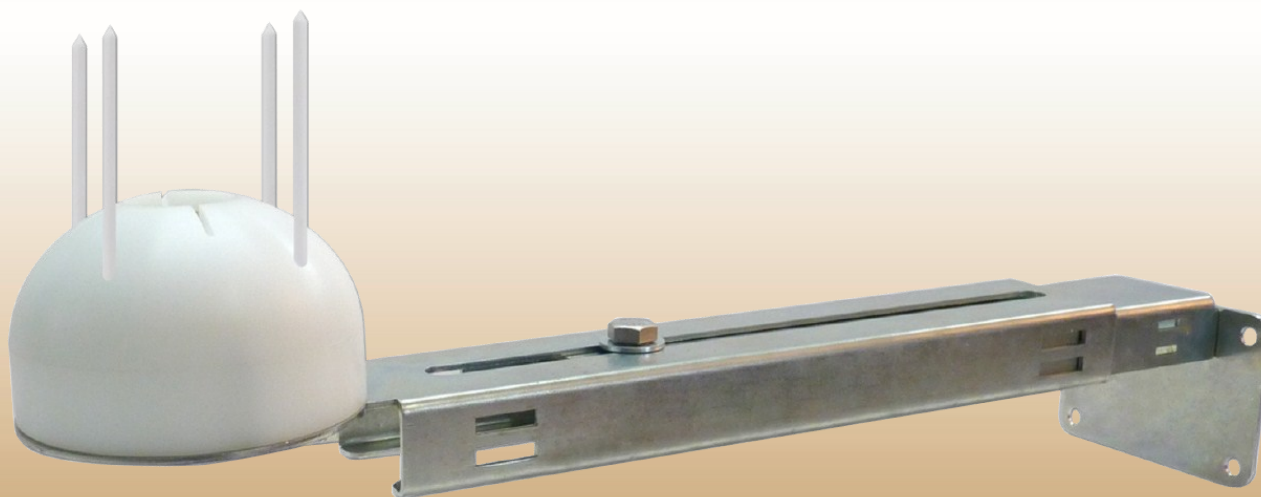


PYROSENSE *Outdoor Snow Sensor*

FEATURES AND BENEFITS

- Electronic snow and ice sensor.
- Energy efficient algorithm.
- 24 VAC operated.
- Fits to PYROSB metal rust-free mounting bracket or vertical pole.
- Anti-bird nesting spikes.
- Plastic cap for summer time—protect from dust and dirt.
- Up to 4 PYROSENSE sensors can be chained into on PYROCON12 controller.
- 4 wire installation—30 ft. cable supplied with the sensor.
- Simple user interface for parameters set from PYROCON12 controller.
- Adjustable RH sensitivity from PYROCON12 controller.
- Adjustable set points.
- Technician testing / commissioning mode for easy and fast system test all year long (even during summer or at high temp).
- PYROSENSE 2/3/4 Snow/Sensor with numerical address. Option for installations where more than one snow sensor is needed.



Part #	Item	UPC# 093319	Description
PYROSENSE	Sensor & Control	42323	Snow sensor and controller for Snow/Ice melting
PYROSENSE 2/3/4	Sensor with numerical address	42324	Option for installations where more than one snow sensor is needed
PYROSB	Mounting Bracket	42326	Wall mounted, adjustable metal fixture

PYROSENSE Outdoor Snow Sensor

DESCRIPTION

The PYROSENSE is a stylish, smart and reliable snow and ice sensor. Installed outdoors, it measures the temperature and detects snow, sending the information via the PYROCON12 controller to the heating system.

The PYROSENSE is connected to the snow melting controller (PYROCON12) with a 30 ft. (10 m.), 24 V 4 wire cable and communicating with the controller, providing the temperature value and snow detection based on the adjustable parameters.

The plastic "igloo" shape design helps to assure reliable snow/ice detection, as it prevents snow from accumulating around sensing area. The 4 holes around the sensor were designed to hold the anti-nesting spikes, keeping birds away from the sensor.

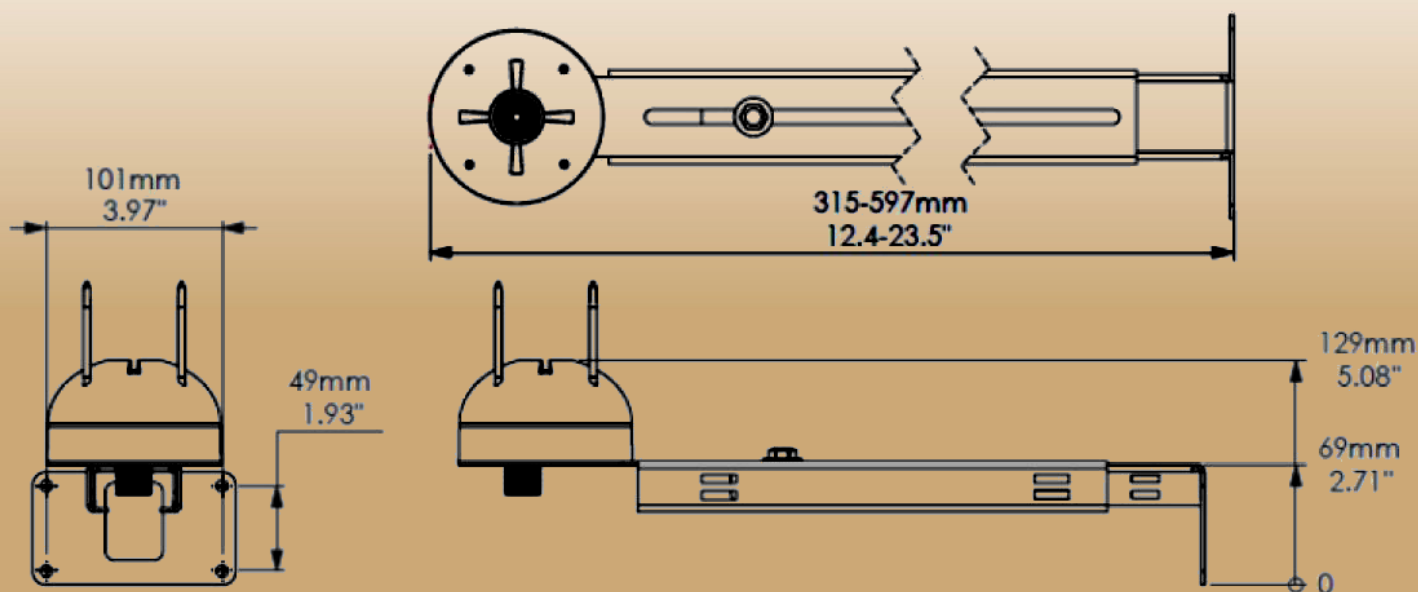
The sensor cap helps to keep the sensing area clean from dust and dirt during summer time and when the snow melting system is not used.

The measured temperature and the snow detection are visible on the backlit LCD display of the PYROCON12 controller.

The PYRO system can work with up to 4 PYROSENSE snow sensors chained one after the other and link the 4 output zones of snow melting to the PYROSENSE. A special sensor with pre-defined address is needed as an additional sensor besides the PYROSENSE who is active as #1.

PYROSENSE2, PYROSENSE3 and PYROSENSE4 are the required sensors when 2, 3 or 4 sensors are needed. Each snow sensors must have different MAC (Media Access Control) address in order to communicate with the main board.

DIMENSIONS



PYROSENSE Outdoor Snow Sensor

TECHNICAL SPECIFICATIONS

Enclosure Protection	IP65, Outdoor Mounting	Material	ASA WR9160
Entries	33 ft. (10m) Four wire cable: 2 x 18 AWG supply wires 2 x 22 AWG communication wires Optional: can be lengthened up to 450 ft. with extended wire.	Supply	24 VAC \pm 20%, 50-60 Hz, 4W
		Communication	RS485
		Operating temp.	-40° F to 122°F (-40° to C to 50° C)
Mounting	Outdoor mounting on PYROSB metal holder or vertical pole NPT 1/2" thread	Storage temp.	-50° F to 158° F (-40° C to 70° C)

WIRING DIAGRAM

