Warmup®

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

# AIRsense | Aerial Snow Melting use with COMMBOX-600

## Submittal Sheet WSC-0205

## DESCRIPTION

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

The AIRsense is connected to the Snow Melting Controller with a 30 feet (10m.), 24V 4 wires cable and communicating with the controller, providing the temperature value and the snow detection based on the adjustable 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 sensors 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 controller.

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

AIRsense2, AIRsense3 and AIRsense4 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.

## FEATURES AND BENEFITS

- Electronic snow and ice sensor
- Plastic cover for off-season protection
- Plug & Play on COMMBOX-600 panels
- Adjustable set points
- Maintenance: Pre-Season test modes

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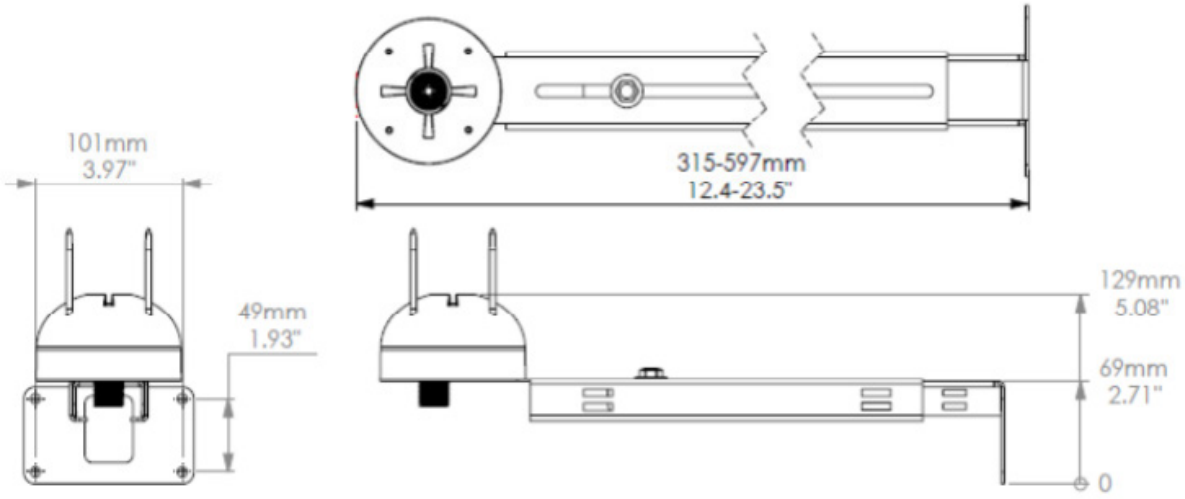
## DIMENSIONS




## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| **Enclosure Protection** | IP65, Outdoor Mounting |
| **Entries** | 33 ft. (10 m) Four wires cable:<br>• 2x18AWG supply wires<br>• 2x22AWG communication wires optional: can be lengthened up to 450 ft. with extended wire |
| **Mounting** | Outdoor mounting on metal holder or vertical pole.<br>NPT ½" Thread |
| **Material** | ASA WR9160 |
| **Supply** | 24VAC±20%,50-60Hz,4W |
| **Communication** | RS485 |
| **Operating temp.** | -40°F to 122°F (-40° C to 50°C) |
| **Storage temp.** | –50°F to 158°F (–40°C to 70°C) |

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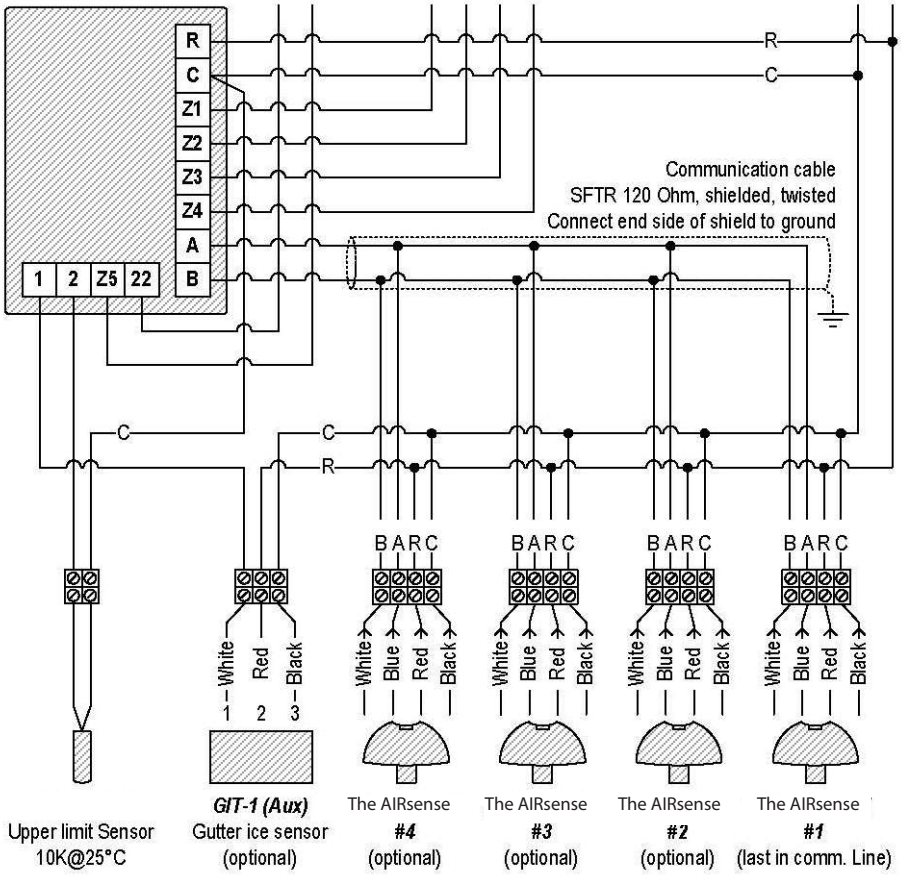
## WIRING DIAGRAM




The performance specifications are nominal and conform to acceptable industry standards. For applications at conditions beyond these specifications, consult the local Warmup office or representative. Warmup 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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