



heat tracing specialists

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Romans 10:11 For whosoever believes on Him shall not be ashamed.

AIC4

SNOW MELT CONTROL

The AIC4 is one of the most economical & compact automatic snow melt controls on the planet. It senses both moisture and temperature that could result in frozen precipitation. In automatic mode, the controller energizes when both conditions are present. There is also a manual on/off mode for weary customers! Indicators allow visual confirmation of automatic mode and when the system is energized. An optional P/N 85248 extends the mount distance for rather large industrial, commercial and some residential applications where routing is a concern. The AIC4 can be integrated with building systems through dry contacts for ease of control and monitoring. The unit has a built-in 16A contactor which accommodates a generous amount of roof & gutter heat trace. It can be integrated with additional units and or contactors for increased loads and zoning options, plus 3-phase loads. The unit can be wall or mast mounted away from trees and awnings for an unobstructed sampling point. This ensures that the collection grid is free of leaves and other debris. Place in automatic mode, climb down the ladder or raise the mast, and get ready for winter! Heat trace controls are proven to be the ideal solution for set & forget and yield greater savings over conventional methods.

- Energize Temperature: **38°F**
- Minimum On Time: **1 hour**
- Control voltage: **120-277VAC (Specify voltage)**
- Built-In Contactor: **16A resistive @ 120-277VAC**
- Contactor Output: **T1 and T2**
- Mounting Options: **Tab or Mast Mounted**
- Control Toggle Features: **AUTO/OFF/ON**
- Default setting: **AUTO**
- Energy Saving Features: **Auto toggle @ 70°F/10 min.**

Note: Turn off power to during Summer months. Always de-energize unit prior to maintenance.

1. Sensor initiates control operation during conditions conducive to ice formation. That is, precipitation when the ambient temperature is below 40°F.
2. The controller will assure a minimum on time of one hour.
3. Controller operates on 120VAC or 208-277VAC.
4. The relay provided is rated at 16A @ 120V. Local codes and accepted wiring practices may limit actual usage further. For 3-Phase or for larger loads, use this unit to power an available external contactor.
5. Weather resistant enclosure for outdoor mounting.
6. The controller provides an AUTO/OFF/ON switch. Normal boot-up mode is AUTO. In AUTO, the control will activate its relay when icing conditions are indicated by the sensor and will energize for an hour. In the OFF position, the heater remains off regardless of icing conditions until mode is changed. In the ON position, the contactors are engaged until mode is changed.

Controls



Moisture sensing grid