

PRODUCT
SPECIFICATIONS

Detail Photos
(on right from top to bottom)
Subreflector de-icer
Feed horn heater (optional)
Moisture-temperature sensor



De-icing unit available for dual optics subreflector and feed horn. De-icing units are also available for other feed horns as an option.



Active De-Icing System

The ASC Signal Active De-Icing System is custom designed for our line of VSAT RxTx antenna systems. A de-icing system prevents signal loss due to snow and ice build-up on the surface of the reflector.

The ASC Signal Corporation half-aperture reflector de-icing system consists of a defrost panel that is attached to the reflector by self-drilling screws.

This De-Icing system can easily be installed in the field using a socket wrench and cordless drill. Removal of two lower reflector bolts is necessary to install the defrost panel.

Moisture and temperature sensors allow the system to activate when temperatures are below 38° F and when precipitation exists. Heating elements supply heat uniformly over the surface of the defrost panel, which consists of the following three layers:

- The outside layer is a heavy-duty, vinyl-coated polyester material that is especially designed for weather protection.
- The middle layer consists of high temperature insulation.
- The inside layer, next to the rear, lower half of the reflector, contains the heating elements.
- All materials comply with EU directive No. 2002/95/EC (RoHS)

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Active De-Icing System

The ASC Signal De-Icing System is lightweight and can be shipped via UPS. Models are available for the 1.2 m, 1.8 m and 2.4 m offset reflectors. Models are available in 120 V or 240 V. Special models are available for 1.8 m and 2.4 m dual optics antennas. An optional Ku-band feed horn heater is available in 120 V or 240 V for all de-icer models.

Antenna Size	Model
1.2 m	6322
1.8 m	6323
2.4 m	6324

Description	Half- Aperature Reflector De-Icing System for Andrew Corporation 1.2 m, 1.8 m, and 2.4 m Offset Antennas		
Circuit Requirements	1.2 m	1.8 m	2.4 m
120 VAC	4A	8A	15A
240 VAC	2A	4A	8A
Power Consumption	500 W	1000 W	1800 W
Sensor	Moisture/Temperature		
Operation	Heaters operate when temperature is below 38°F and moisture is present. System remains on for one hour thereafter. Low temperature lockout disables heaters below 17°F when snow rarely forms.		
Smart Bypass Switch	This switch allows for manual operation during installation or for testing purposes. If left on, it reverts to automatic mode after 40 hours.		



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