

REFLECTOR
AND FEED
ELECTRICAL
ANTI-ICING
SYSTEM



Prodelin Corporation is the world's largest manufacturer of Rx/Tx VSAT antennas. We have the broadest product line in the industry including Receive Only, Rx/Tx and Rural Telephony antenna systems. Prodelin offers nineteen antenna sizes, 47cm to 4.5M. Prodelin is the leader in obtaining type certifications and approvals for Intelsat, AsiaSat and Eutelsat. Prodelin antennas provide the best quality in the market due to the sophisticated, precision SMC compression molding process technology. Prodelin provides the best value antenna solution to the market with competitive prices, the highest quality products and superb engineering support. Prodelin is ISO registered, KEMA # 70022.01. *Prodelin - The Market Leader in VSAT Antennas.*



Feed Horn Heater



Moisture & Temperature Sensor

Key Features

- Feed Horn Heater
- Self regulating temperature sensor
- Temperature only control available
- 120 V A.C. & 240 V A.C. available on most sizes
- Factory Installation
- Power cord included

Prodelin Corporation offers a complete line of anti-iced antennas. All units are factory installed to reduce the requirement for an on site electrician. The "Blanket Resistive" wire technique ensures sufficient power will be supplied to the antenna's front surface while the uniform heat prevents reflector distortion.

REFLECTOR AND FEED ELECTRICAL ANTI-ICING SYSTEM

System Size	Aperture Application	Back Cover	Watts Operating		Current	
			120 VAC	240 VAC	120 VAC	240 VAC
1.2 M .6 f/d	Half Aperture	Full Cover	237	237	2.0 amps	1.0 amps
1.2 M .8 f/d	Half Aperture	Full Cover	300	300	2.6 amps	1.3 amps
1.8 M .6 f/d	Half Aperture	Half Cover	490	490	4.1 amps	2.1amps
1.8 M .8 f/d	Half Aperture	Half Cover	527	527	4.4 amps	2.2 amps
2.4 M. 2-Piece	Half Aperture	Half Cover	797	797	6.7 amps	3.4 amps
2.4 M 4-Piece	Half Aperture	2 Quad Cover	N/A	909	NA	3.9 amps
3.8 M. 4-Piece	Half Aperture	2 Quad Cover	N/A	2260	N/A	9.5 amps

**Other Sizes Available*

Prodelin Anti-Iced Antennas have power densities of approximately 35 watts per sq. ft. of heated surface utilizing the “blanket” resistive wire technique.

The Moisture/Temperature version is an automatic system that will activate heaters when the temperature falls below about 38 degrees Fahrenheit (3 C.) and sufficient moisture is present to permit the formation of solid precipitants. These features are cost savings driven so that power is applied only when atmospheric conditions warrant.

Pursuing this feature, the system also

deactivates the heaters when the temperature falls below about 16 degrees Fahrenheit (-9 C.) when the moisture content of the atmosphere is so low as to preclude the formation of solids.

120 volt systems include a selector switch permitting the operator to energize the heaters at any time, or to disable (turn off) the automatic feature at discretion.

Systems with Temperature only controls activate heaters at about 38 degrees Fahrenheit and remain on until temperatures rise above 45 degrees Fahrenheit.



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