

WALTON DE-ICE, HOT AIR DE-ICE

The Walton Hot Air De-Ice system is designed to prevent accumulation of snow and ice on the Earth Station Antenna to ensure peak operation during inclement weather. There is a plenum created by enclosing the rear structure of the antenna with heaters and fans mounted inside on the antenna structure. The heaters provide circulating hot air inside plenum, which warms all components of the reflector and feed to prevent ice and/or snow from accumulating.

Unlike electric pad or heat tape anti-ice systems the Walton Hot Air De-Ice System heats the entire antenna reflector and back structure uniformly. This minimizes the chances of reflector distortion which can cause signal problems caused by thermal expansion and contraction.

To control the de-ice system, the DS4 detects precipitation and temperature and switch on or off the heaters only when a specific profile is achieved. The DP-7EX remote control/status display panels coupled with the DS-4 provides an efficient solution to remotely monitor and control your de-icing system. The DP-7EX provides de-ice status for the de-icing system, along with Manual on, Automatic, and Standby control capabilities. The DP-7EX also allows monitoring thermal switches, on up to eight antenna points, to confirm that heat is being applied where required. The DP-7EX also can be connected to most M&C Systems. The connection between the DS4 and the DP-7EX is achieved by a Multi-conductor cable, specify length, 100' standard.



Features

- Prevents the accumulation of snow and ice.
- Fully encloses the reflector back-structure with aluminum sided foam panels with aluminum supports.
- DS4 Precipitation Detector and DP7 Remote Panel included.
- Includes one hundred feet of IFL Interface cable.
- Walton De-Ice system carries a full two-year warranty.

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Ordering Information

Part Number	Antenna Size	Power Requirements	Feed Circuit Size
WEC 37R-208-100	All 3.7m Models w\ Enclosure except Pipe Mount.	2 ea @ 5kw	40 Amp 3 pole
WEC 37R-380-100			20 Amp 3 pole
WEC 45R-208-100	ES45Mxx Only & High Wind.	2 ea @ 5kw	40 Amp 3 pole
WEC 45R-380-100			20 Amp 3 pole
WEC 49R-208-100	All 4.9m Models.	2 ea @ 5kw	40 Amp 3 pole
WEC 49R-380-100			20 Amp 3 pole
WEC 56R-208-100	All 5.6m Models except Ka.	2 ea @ 7.5kw	60 Amp 3 pole
WEC 56R-380-100			40 Amp 3 pole
WEC 65R-208-100	All 6.5m Models.	3 ea @ 7.5kw	90 Amp 3 pole
WEC 65R-380-100			50 Amp 3 pole
WEC 72R-208-100	All 7.2m Models.	3 ea @ 7.5kw	90 Amp 3 pole
WEC 72R-380-100			50 Amp 3 pole
WEC 76R-208-100	All 7.6m Models.	2 ea @ 15kw	90 Amp 3 pole
WEC 76R-380-100			60 Amp 3 pole
WEC 91R-208-100	All 9.1m Models.		
WEC 91R-380-100			
WEC 93R-208-100	All 9.3m Models.	3 ea @ 15kw	150 Amp 3 pole
WEC 93R-380-100			90 Amp 3 pole
WEC 94R-208-100	All 9.4m Models except Ka.	3 ea @ 15kw	150 Amp 3 pole
WEC 94R-380-100			90 Amp 3 pole
WEC 113R-208-100	All 11.3m Models.		
WEC 113R-380-100			
WEC 135R-208-100	All 13.5m Models.		
WEC 135R-380-100			
WD-CC-200		200' Heater Control Cable	
WD-CC-400		400' Heater Control Cable	
WD-CC-600		600' Heater Control Cable	

All de-ice systems are delivered with 100ft of control cable. Options for 200, 400 or 600ft are available in the table above.

Product is designed to be installed by experienced qualified Kratos or Walton Installers. This product does not have plenum assembly instructions and failure to use qualified installers will invalidate the warranty.



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