

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

EARTH STATION ANTENNA

| 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 73R-208-100 | All 7.3m Models. | 3 ea @ 7.5kw | 90 Amp 3 pole |
| WEC 73R-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 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 |
| 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 design to be installed by experienced qualified ASC/Walton Installers. This product does not have plenum assembly instructions and failure to use qualified installers will invalidate the warranty.

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