Snow Shield Controls
Automated Snow Shield Heating System

All W. B. Walton Enterprises heated Snow Shield de-icing systems are supplied with an automatic local controller which interfaces with a moisture sensor and Thermister to monitor precipitation and temperature. This system provides the user with a versatile, yet inexpensive method of controlling the de-icing system. These systems were designed specifically to operate in high noise, low temperature environments, for added reliability.

DS-4 Automatic Local Control Unit

Features

- Automatic Activation Lowers De-icing Operational Costs
- Reliable Snow Detection
- Dual 30A @ 240 VAC Individually Controlled Relays
- Replaceable Precipitation Sensor
- Adjustable Temperature Trigger Point
- Adjustable Delay Off Cycle
- Selectable Low Temperature Cutoff
- Easy Installation and full access to electronics
- Field strap for 100-120/200-220 VAC Operation

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DS-6 Local Control Unit located inside the Power Distribution Panel Enclosure

The DS-6 series of controllers were developed to provide a cost effective, automatic control system for Heated Snow Shields with Gas heaters or Electric heaters of 6KW or 12 KW. Similar to the DS-4 in operation, the DS-6 is in a NEMA 4X non-metallic enclosure which houses the DS-6 Printed Circuit Board, Terminal Blocks, and circuit breakers. These added items are required for the gas heaters and the larger electric heaters.

Automatic Activation Lowers De-icing Operational Costs

- Reliable Snow Detection
- Replaceable Precipitation Sensor
- Adjustable Temperature Trigger Point

DP-7SS Remote Monitor/Control Unit

The DP-7SS remote Monitor and Control/Status Panel provide a low cost method of remotely monitoring and controlling the DS-4 or the DS-6 De-icing Control Units. The DP- 7SS, mounted in a single rack unit (1.75 in. X 19 in.) panel with black finish to assure good indicator visibility.

The DP-7SS, which can be located up to 1200 ft from the DS-4 or DS-6, has a blower on and heater on indicator LED. Manual, Auto or Standby mode can be selected from the DS-7SS Panel. Dry Contact I/O's are provided for interfacing with customer's M&C System.

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