

## ASE DS-2B Rain/Snow Sensor Controller

The DS-2B is the base model of the DS series. It is primarily designed for small satellite antenna/broadcast tower deicing, pavement snow melting applications, and used as a sensor for larger control systems.

The unit is housed in a two gang PVC enclosure. Easily access all electronics by removing only the four front cover screws.



**2 year  
warranty**

### Specifications:

#### Operating Temperature

- -40 °F to +185 °F (-40 °C to +85 °C)

#### Supply Power

- 100-120 VAC / 200-240 VAC Field Selectable  
15 W maximum

#### Programming

- Delay Off (Sensor):  
2 minutes
- Delay Off (Controller):  
30-90 Minutes Field Selectable

#### Dimensions (H-W-D)

- 4¾" (120 mm) x 7" (178 mm) x 2¾" (70 mm)

#### Weight

- 2 Lbs (0.9 Kg)

### Features:

- **Automatic Activation means Lower Deicing Costs**
- **Reliable Rain and Snow Detection**  
Automatic position can handle all detections and control
- **Full 30 A @ 240 VAC Control**  
High Power, Low Price
- **Adjustable Temperature Trigger Point**  
Trigger Temperature is Adjustable from 34 °F to 44 °F (1.1 °C to 6.6 °C)  
Selectable Low Temperature Cutoff
- **Field Strap for 100-120/200-240 VAC Operation**
- **Easy Installation, Full Access to Electronics**  
Access all electronics by just removing four screws
- **Adjustable Delay Off Cycle**  
Smart "Manual On" Operates for One Delay Off Cycle
- **Replaceable Precipitation Sensor**

### Additional Information

The DS-2B can be powered from either a 100-120 VAC or 200-240 VAC 50/60 Hz source. Peak power consumption is 15 watts. Voltage selection is performed by installing provided jumpers onto the printed circuit board. The unit provides a single 240 VAC @ 30 A normally open load contact set. This contact set is paralleled with a low power contact set to provide remote activation monitoring. Operational temperature range is -40 °C to +85 °C.

Remote control and monitor up to 1000 feet away is also available when the optional C/M cable listed is installed.

**The DS-2B is also compatible with the DP-7B, DP-7EX, and CDP-2 remote control/status panels.**

**A new feature has been added to the DS-2B.**

**If the switch is placed in "Manual On" for less than 2 seconds, then switched back to "Automatic" the controller will execute one delay off cycle.**

The delay off cycle is determined by the DEL switch setting and the DEL adjustment, i.e., 2 minutes in "sensor" mode, 30-90 minutes in "controller" mode. This can be used to clear surfaces with a frost or hail buildup without the danger of leaving the system in a continuous "Manual On" condition. "Standby/Reset" can still be used to clear this delay off cycle.