

## SECTION III. OPERATION

### 11.3.1 INTRODUCTION

Only regularly scheduled maintenance is required after freezing rain sensor installation, unless a failure is detected by the ASOS. All operations, including diagnostics, are handled automatically by the ASOS.

### 11.3.2 CONTROLS AND INDICATORS

There are no maintenance significant controls and indicators on the freezing rain sensor. The sensor is designed for continuous operation and requires no operator or technician intervention.

### 11.3.3 POWER-ON

The freezing rain sensor contains no power switch. Upon application of 115 vac, 60 Hz power from the DCP, the sensor begins its startup sequence. Power is controlled via the freezing rain sensor circuit breaker module in the DCP.

### 11.3.4 NORMAL OPERATION

During normal operation, the DCP polls the freezing rain sensor once per minute for data. After it is polled, the sensor responds with the data. This polling is automatically performed by ASOS software and requires no user intervention. The diagnostic status of the sensor is also reported to ASOS once each minute. Results of diagnostic interrogations are displayed on the freezing rain page at the OID.

### 11.3.5 POWER OFF

The freezing rain sensor contains no power switch. Heater and electronics power is controlled via the freezing rain sensor circuit breaker module in the DCP.