



Spectra III™ Series

Spectra III™ SE Series



C2481M (1/04)

DESCRIPTION

This manual is a supplement to the Operation/Programming manual that is supplied with the dome drive of your Spectra III™ Series or Spectra III SE Series dome system. This supplement provides information about the pressurization of your dome system.

When you first turn on your dome system, the software version, along with other information, will appear on your monitor. If the version is 1.25 or higher, it includes the software to monitor temperature, pressure, and dew point of your pressurized system and alert you of any problems.

SYSTEM INFORMATION

The system Information screen displays dome drive model, software version, available memory, and other diagnostic information.

The system information screen includes a line stating that the back box can be pressurized. It also lists the version of software for the pressurized back box.

System settings cannot be changed using this screen. This screen is for reference only.

Use the following steps to display the System Information screen:

1. Use the joystick to position the cursor beside SYSTEM INFORMATION.
2. Press Iris Open. The SYSTEM INFORMATION window opens.



<ALERT>

The Alert menu applies only to pressurized dome systems.

Sensors strategically placed inside the pressurized dome system continually monitor pressure, temperature, and dew point. If internal conditions reach unacceptable levels, an alert message appears on the screen describing the alert condition. Example: If pressure drops below 1 psig, "LOW PRESSURE" is displayed on the monitor.



The alert message will be repeatedly displayed until the system controller acknowledges the alert condition by selecting ACK ALERT in the main menu. Once acknowledged, the alert message changes to the programmed acknowledge action (ACK ACTION). If the alert condition remains active after a period of time, the alert message reappears on the monitor, restarting the alert message cycle. This cycle will continue to repeat until the alert condition is resolved.

REPEAT

This setting programs how often an alert message is repeatedly displayed until the system controller acknowledges the alert condition. The following are the settings for REPEAT:

CONSTANT - The alert message is continuously displayed on the monitor until acknowledged.

15 MIN - The alert message is displayed every 15 minutes for a 15-second duration until acknowledged.

30 MIN - The alert message is displayed every 30 minutes for a 15-second duration until acknowledged.

60 MIN - The alert message is displayed every 60 minutes for a 15-second duration until acknowledged.



ALERT	
REPEAT	CONSTANT
ACK ACTION	ALWAYS ON
ACTIVATE AUX	NO
<CURRENT READING>	
RESET ALERT	
BACK	
EXIT	

* These features are available only on Spectra III SE Series dome systems.

ACK ACTION

Acknowledge action programs the alert label behavior after the alert condition has been acknowledged. The following settings are available for ACK ACTION:

ALWAYS ON - The alert label is displayed until alert conditions are cleared.

OFF 8 HRS - The alert label is turned off for 8 hours. Label returns after 8 hours if the alert condition persists.

OFF 24 HRS - The alert label is turned off for 24 hours. Label returns after 24 hours if the alert condition persists.

OFF 48 HRS - The alert label is turned off for 48 hours. Label returns after 48 hours if the alert condition persists.



ACTIVATE AUX

This setting activates an auxiliary when an alert condition exists. ACTIVATE AUX settings include the following:

NO (default) - Not activated.

1 - An alert condition will close AUX 1.

2 - An alert condition will close AUX 2.

CURRENT READING

The Current Reading menu displays the existing status of temperature, pressure, and dew point inside the dome system. An arrow displayed to the left of a menu item denotes that an alert condition exists.

An up arrow indicates the reading is over the threshold. A down arrow indicates the reading is below the threshold.

The high temperature alert occurs if the temperature is above 140°F (60°C).

The low temperature alert occurs if the temperature is below -40°F (-40°C).

The high pressure alert occurs if the pressure is above 11 PSIG.

The low pressure alert occurs if the pressure is below 1 PSIG.

The dew point (high humidity) alert occurs if the difference between the temperature and the dew point is less than or equal to 3°C.

Due to the heat emitted from the electronics of the camera, normal temperature operating range is approximately 95°F (35°C).

ALERT RESET

Alert reset clears the alert condition and removes the alert label from the monitor. The system automatically checks internal conditions 60 seconds after reset. If conditions are still unacceptable, the alert label reappears on the screen indicating further corrective action is required.



CURRENT READING	
TEMPERATURE	0°C 0°F
DEWPOINT	0°C 0°F
PRESSURE	0.0 PSIG 0.0 BAR
REFRESH	
BACK	
EXIT	

REVISION HISTORY

Manual #	Date	Comments
C2481M	1/04	Original version.

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