

Appendix S

Status and Error Codes

VM/SI 3000 CONTROLLER BOARDS /

Current board status is reflected using the status LEDs on the front panel of the VM 3000 and SI 3000. The three main status LEDs on the front panel of the VM 3000 and SI 3000 are clearly marked (from left to right) “ACTIVE,” “FAULT,” and “ALARM.” On the VM 3000 and SI 3000, Alarm Relay contacts are on the rear panel. The LED and Relay functions are described in the table below.

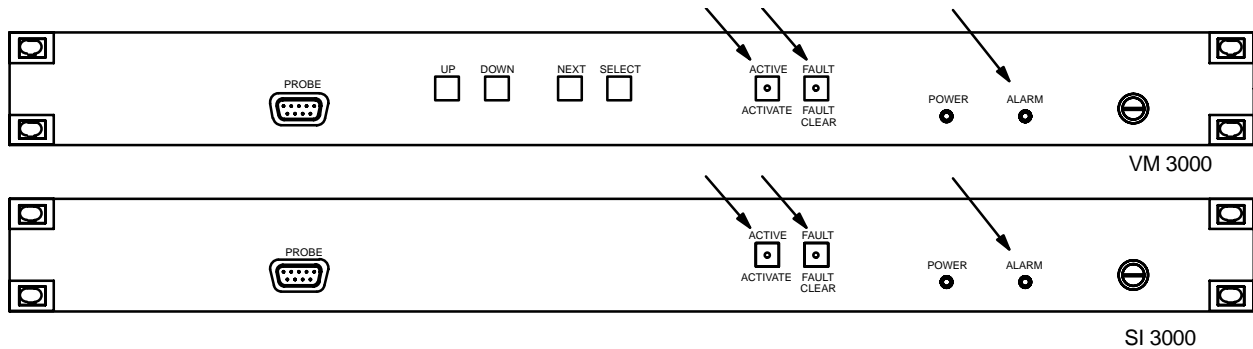


Figure S-1. Board status indicators.

State	Active LED	Fault LED	Alarm LED	Alarm Relay	Description
STARTUP	ON	ON	ON	ON	Boot ROM code is running
LOADER	OFF	OFF	ON	ON	Check/Program lists, system
SYSTEM	OFF	ON	OFF	ON	Loader done, ready to start
STARTUP	ON	ON	OFF	ON	Starting applicable tasks
ACTIVE	ON	OFF	OFF	OFF	Board running, Active mode
STANDBY	OFF	OFF	OFF	OFF	Board running, Standby mode
FATAL	OFF	ON	ON	ON	Fatal error, board halted

Figure S-2. LED definitions.

CP 3800 SERIES CONTROL PANELS

This software operates with Jupiter release 4.0 or later.

The following FATAL ERR codes can appear on the CP 38XX series of Control Panels. These are firmware errors that the panel found while running. The following list will help explain these errors and possible actions to be taken.

- 10xx – Where xx is the unknown MPK message type received by the panel. The biggest cause of this error is a wrong Control Panel type being defined for this panel in the MPK table. Check for correct Control Panel type in the MPK table on the main File Server. If correct panel type is defined, call Thomson Customer Service.
- 11xx – Where xx is the data that can NOT be written into the build in EEPROM. This could possibly be a hardware failure. Call Customer Service.
- 3200 – Could NOT send an ACK in response to receiving a message, still had previous data in transmit buffer. This could be a possible hardware failure. Call Customer Service.
- 3300 – Received MPK message that had a byte count too large. Possible cause, wrong panel type or something wrong with MPK bus. Call Customer Service.
- 3400 – Received transmit buffer empty IRQ when there was no data that was sent. Possible hardware problem. Call Customer Service.
- 3500 – Could NOT send a NAK in response to receiving a new message before processing last message. Call Customer Service.
- 3600 – Could NOT send a NAK in response to receiving an illegal check sum on the last message. Call Customer Service.
- 80xx – Where xx is the column number that is not on this panel display. The biggest cause of this error is a wrong Control Panel type being defined for this panel in the MPK table. Check for correct Control Panel type in the MPK table on the main File Server. If correct panel type is defined, call Customer Service.
- 81xx – Where xx is the column group trying to blink on this panel type. The biggest cause of this error is a wrong Control Panel type being defined for this panel in the MPK table. Check for correct Control Panel type in the MPK table on the main File Server. If correct panel type is defined, call Customer Service.

Most of these problems that say call Customer Service could be a hardware problem. The first thing that the customer needs to do is check all MPK devices that are connected to the effected MPK bus for the possibility of having two or more devices with the same device address. If no problems are found, disconnect the panel from the MPK bus. Turn the power off and then back on again to reset the panel. Run all the tests in the diagnostic mode to check for possible control panel hardware problems. A MPK loop back cable to connect the receive and transmit lines will need to be made to check the panels MPK port. If any problems are found, call Customer Service to get the panel repaired. If no problems are found, check the MPK bus for possible problems.