TECHNICAL NOTE   TNOI13

Title: G3 HMI Status LEDs

Product(s): G3 HMI Series

The RED LED is on when the unit is running a Crimson application, and flashing rapidly while the unit is in the boot loader. If the light remains in the flashing state continuously, try cycling power. If that doesn't correct the problem, the unit does not contain a valid application. You must download a valid Crimson database.

The YELLOW LED indicates the status of the Compact Flash (CF) card.

- OFF   No CF card installed
- ON   Valid CF card installed
- Flashing Slowly   Unrecognized CF card format
- Flashing Rapidly   CF card being checked
- Flickering   CF card being written to by runtime or accessed by connected PC

The unit updates the CF logs at a period of 2 minutes

The CF card synchronization between the unit and the PC has been tightened to prevent possible data loss. If the PC is reading from the CF card the unit will not be allowed to write to the CF until the PC read access is complete. Unit reads, however, are allowed. For example, if the PC is reading from the CF card, data logging will be interrupted but web access will be allowed. Log data loss will occur if the write is deferred sufficiently long enough so that the data log buffer becomes full. This could happen if a large file is being uploaded from the CF card. If the PC is writing to the CF card, all unit access to the CF card is locked.

Likewise, PC read access to the CF card is deferred whenever the unit is writing to the CF card. Write access is deferred whenever the unit is reading or writing to the CF card. The PC may seem unresponsive during heaving loading by the runtime, i.e. at the 2-minute period when the logs are being updated.

The GREEN LED is on when the unit is running a valid database, and when there are no alarms present. It flashes if a tag is in the alarm state.