Following is a summary of new features that have been added to the GEM-P1632 version 11 firmware. These features have also been incorporated into the initial release of the GEM-P816. **NOTE:** In order to program these features through the PCD-Windows Quickloader Download software, version 4.4 or greater must be installed.

1. EN50131 Keypad Blanking

The European EN50131 standard requires action be taken to prevent the easy determination of the status of the alarm system by viewing the keypad. Therefore a feature was created to hide the status by blanking the keypad display as follows:

1. Out of the box, the control panel works as it does today, and the installer must program an option flag to enable the system status blanking feature;
2. When the feature is enabled and the system is armed, the system status display blanks after the exit timeout;
3. The keypad display stays blank while armed (even on alarm or trouble, etc);
4. The display comes back on automatically during entry delay, but when an alarm condition occurs during entry delay it will go back out.
5. While disarmed, the display shows all conditions, i.e., works as it does today.

Enabling and programming of this feature can be performed through keypad address programming using an RP1/K1 V8C keypad only. The programming for the control panels is as follows: GEM-P1632/816 V11 – Address location 1063 bit 7 (·······☉). The Windows Quickloader (V4.5 or greater) also supports this feature in the Keypad Assignment screen.

2. IP Downloading Support

Using a NetLink NL-MOD, the GEM-816/1632 can report alarms via contact closures or via its bell output. The panel can, when the NL-MOD is visible on a network, be downloaded/ uploaded, etc. using Windows Quickloader (V4.5 or greater) when Version 11 panel code is used. New address 1063 bit 0 (1·······) is added, named "Enable TCP/IP Communications". The Windows Quickloader (V4.5 or greater) also supports this feature in the Digital Communications screen (*Digital Communications* tab, check "TCP/IP Communications"). **Note:** The GEM-P816/1632 does not support the reporting of point ID information over the Internet.