XR5FC and XR5SL Feature Update
February 2009

Version 106 Firmware and Level L Revision 7 PCB Update

Effective March 2009, all XR5FC and XR5SL Command Processor panels are being manufactured with Version 106 (2/12/09) firmware and Level L Rev 7 PCB hardware. This version is an update from the Version 105 (9/6/06) firmware previously shipped and contains new features.

Compatibility

Version 106 firmware can only be used in XR5 panels using Level L Revision 7 printed circuit boards.

This new update of XR5 hardware and software meets UL 864 9th Edition standards.

Features

Nine Zones using 714/715 Zone Expander

The XR5 panel now supports a 714 or a 715 zone expander and allows zones 31 – 34 to be programmed for a total of nine zones (1–5, 31–34). The 714 provides four inputs and is suitable for use with normally open and normally closed fire devices while the 715 provides four Class B powered inputs and is suitable for use with the 2-wire conventional smoke detectors. The 714 or 715 is connected to the keypad bus as Address 3.

Battery Charger Supervision

The panel now monitors the battery charger of the panel to determine that the charger is operational. If the panel determines that the battery charger is not charging the battery, BATTERY TRBL is indicated at the keypad and sent to the receiver.

Power Fail Delay

The Power Fail Delay option now allows programming for 0 - 15 hours. Default is 1.

Previously, the Power Fail Delay option only allowed 6 – 12 hours.

Fire Zone Restore Message

When a fire zone is restored from an alarm condition, the zone restore message is now sent to the receiver only after the Sensor Reset occurs and the alarm has been cleared from the Status List.

Trouble Buzzer Re-sound

When any system or zone trouble remains unrestored for 24 hours after the keypad trouble buzzer was silenced, the panel now re-sounds the keypad trouble buzzer and re-transmits the trouble condition to the receiver.

630F Keypad

The XR5 panel now supports the DMP 630F Fire Command Keypad for display of all nine zones. The 630F Fire Command keypad offers high quality, cost effective fire system control with an easy-to-use keyboard interface. The 20-key 32-character full text LCD readout displays system events and menu prompts making the 630F keyboard efficient and easy-to-use.

The 630F Fire Command Keyboard features a factory installed keyswitch that enables four function buttons: Alarm Silence, System Reset, System Test, and Fire Drill. Users can also access these functions through the User Menu by entering the user code at the keyboard.

The 692F LED Keypad continues to be supported in the new version 106 firmware for systems that only use zones 1-5. Zones 31-34 cannot be displayed on the 692F keypad.

690/790 and 7000 Series Keypads are no longer approved for use as a fire annunciator.

630F Keypad Displays

The operation of the Status List is enhanced.

Latched Zone Event

The scrolling Status List display now latches at the first fire related zone event such as a fire alarm, fire trouble or supervisory alarm/trouble. For example, if a fire alarm event occurs, the keypad Status List latches on the fire zone alarm and does not scroll. Subsequent fire/supervisory zone alarms/troubles are available for display by pressing the COMMAND key to move down the list. The display returns to the first zone alarm and again latches after a timeout (if no keys are pressed) or if the back arrow is pressed enough times to scroll through the complete list and return to the top.

Note: Once the display has been cleared of all fire related events such as fire alarms, fire troubles or supervisory alarm/troubles, scrolling of the other displays begin again.

Zone Event Priority

When multiple but different types of zone events occur at the same time, the priority of display in the Status List is as follows:

1. Fire Zone Alarms
2. Supervisory Zone Alarms or Fire and Supervisory Zone Troubles
3. All Other Troubles and Displays

Silenced Display

After an Alarm Silence has been performed to turn off the notification appliances, SILENCED is continuously displayed in the top line of the LCD display at the left. Zone names are displayed on the bottom line.

```
SILENCED|
EAST SMOKE-ALARM
```

Supervisory Display

Anytime a Supervisory zone alarm occurs, SUPVSRY is continuously displayed in the top line of the LCD display at the right. Zone names are displayed on the bottom line. If both Silenced and Supervisory conditions exist, the display shows both.

```
        |SUPVSRY
EAST SMOKE-ALARM
```

```
SILENCED|SUPVSRY
EAST SMOKE-ALARM
```

Entering the Programmer

When 6653 is pressed to enter the panel's programming functions, the 630F keypad displays ONE MOMENT as the panel's dialer calls the receiver to indicate local programming at the Central Station (Serial 1 S86 or CID 458). Once the communication is successful, PROGRAMMER is displayed to allow local panel programming. If the panel is unable to communicate with the receiver, a timeout occurs after two dial attempts and PROGRAMMER is displayed.

During programming, the 630F Trouble LED is turned on as a local indication of programming.

Armed Rings

The Armed Rings option in Remote Options now defaults to 0 to meet UL 864 9th Edition requirements.

4-2 Communication Removed

The XR5 no longer supports the 4-2 communication protocol due to added zone expansion.

Ordering the New Firmware

Version 106 firmware PROMs are not available separate from the purchase of an XR5 printed circuit board since only newer Level L Revision 7 XR5 PCB's support version 106.