

A description of the various troubles are as follows:

Trouble [1] - Service Required This light will be on if any of the following trouble conditions are detected by the control panel; Low Battery, Bell Circuit Trouble, General System Trouble, General System Tamper, General System Supervisory, PC5204 Low Battery and PC5204 AC Failure.

If a 'Service Required' trouble is present press [1] to determine the specific trouble present. The following is a list of the specific 'Service Required' trouble conditions:

- **Light [1] - Low Battery.** The main panel backup battery is low. The trouble will be generated if the battery drops below 11.5 volts under load. Also it will restore when the battery charges over 12.5V.
- **Light [2] - Bell Circuit Trouble.** The panel will indicate this trouble if the Bell PTC has been activated or the panel senses an open condition on the bell circuit (*See Section 5.12 "Siren Supervision"*).
- **Light [3] - General System Trouble.** This trouble will be present if the PC5204 Power Supply module has an AUX failure, PC5204 Output #1 Trouble, or a printer connected to the PC5400 Printer module has a fault (off-line).
- **Light [4] - General System Tamper.** This trouble will be indicated if a Tamper Zone violation on any module is detected.
- **Light [5] - General System Supervisory.** This trouble will be indicated if the panel loses communication with any module connected to the Keybus (*See Section 2.7 "Enable Supervision"*). The event buffer will log a detailed description of the event.
- **Light [6] - Not Used**
- **Light [7] - PC5204 Low Battery.** The PC5204 module has a low backup battery.
- **Light [8] - PC5204 AC Failure.** The PC5204 module has lost AC power.

Trouble [2] - AC Failure This trouble indicates that AC power is no longer being supplied to the control unit. If it is required to communicate this to a monitoring station, program reporting codes in sections [349] and [350]. To inhibit reporting of short duration power outages, a delay can be programmed in section [370].

Trouble [3] - Telephone Line Trouble The telephone connection to the control unit is continuously monitored. If there is a problem with the telephone connection, a trouble will be indicated after the delay programmed in section [370]. If the system has a LINKS1000, this trouble can be reported to a monitoring station by programming reporting codes in sections [349] and [350].

Trouble [4] - Failure to Communicate (FTC) If the communicator fails in an attempt to communicate with any of the programmed telephone numbers, this trouble will be generated. If a later attempt is successful, the FTC reporting code(s) programmed in section [351] will be transmitted along with any other unreported events that occurred while the panel was not able to communicate.

Trouble [5] - Zone Fault (including Fire Zone) This trouble will be indicated if any zone on the system is in a trouble condition, i.e. it could not provide an alarm to the panel if required to do so. When a trouble condition occurs, the keypad(s) on the affected partition will start to beep.

Press [5], while in Trouble mode, to view which zones have a trouble condition. If 2-wire smoke detectors are being used, a trouble on that zone will be indicated by the "Fire" LED.

Trouble [6] - Zone Tamper This trouble is only generated by zones configured for Double End-of-Line Resistor Supervision. This trouble is generated when a tamper condition is present. When a tamper condition occurs, the keypad(s) on the affected partition will start to beep. Press [6], while in Trouble mode, to view which zones have a tamper condition.

Trouble [7] – Device Low Battery This trouble is generated when a wireless device exhibits a low battery condition. Press [7] one, two, or three times to view which devices are experiencing battery failure. An LED keypad will indicate battery failure using zone lights 1 to 8.

The following then will occur:

	Keypad beeps	Keypad displays
Press [7]	1	Zones with low batteries (LED keypad - zone lights 1 to 8)
Press [7] again	2	Handheld keypads with low batteries (LED keypad - zone lights 1 to 4)
Press [7] again	3	Wireless keys with low batteries (LED keypad - zone lights 1 to 8) <i>To view the battery conditions of wireless keys 9 through 16, you must be at an LCD keypad.</i>

Trouble [8] - Loss of System Time This trouble occurs when the control unit is powered up and the internal clock has not been set. Setting the time with User Function [*][6][Master Code][1] will clear this trouble.

[*]+[3] Alarm Memory

The 'Memory' light will be on if any alarm occurred during the last armed period or if an alarm occurred while the panel was disarmed (24 hour zones).

To view alarm memory:

1. Press [*] [3].
2. The keypad will flash the Memory light and light up zone lights to indicate alarm or tamper conditions that occurred during or since the last armed period. When the panel is armed the 'Memory' light will go out.