

## Technical Tips –PowerSeries Modules

### **Escort5580(TC) – PowerSeries Telephone Interface & Automation Control Module**

1. Phones that do not provide a continuous tone when a key is pressed may not function reliably.
2. The default Service Code [\*\*\*] may conflict with phone company services. If a busy tone is heard when [\*\*\*] is pressed, the Service Code must be changed so that it does not contain any [\*] keys.
3. When a TLM trouble occurs, the Escort5580(TC) will provide the 20 mA loop current so that local phones can be used to access it. For this feature to work, TLM must be enabled in the control panel.
4. Downloading must be enabled to remotely access the Escort5580 v1.x.

### **LCD5500(Z) – PowerSeries Liquid Crystal Display Keypad**

1. LCD5500Z v3.x keypads use 3-digit Section numbers. The Programming Worksheets are available online.
2. A 'Global' keypad will appear to be non-functional until it is loaned to a partition.
3. If a keypad is accidentally assigned as 'Global,' press and hold the [1] key to loan the keypad to partition 1, then enter Installer Programming and correct the programming – Section [000], subsection [0].
4. An LCD5500Z keypad must be assigned to slot #8 for uploading/downloading purposes.
5. Downloading will not function if different version keypads are assigned to slot #8.
6. Spanish was removed in North America v2.x keypads. Spanish/English keypads are available by special order.
7. To change the language displayed by the keypad, press and hold both arrow keys (<>). Scroll to the desired language and press [#] to exit.

### **LCD5501Z- PowerSeries Fixed-Message Liquid Crystal Display (LCD) Keypad**

1. The chime feature will not work on partition 2 keypads unless the chime is also enabled on partition 1.
2. To change the keypad buzzer tone, press and hold the [\*] key. Release the button when the desired tone is heard.
3. To display the clock, turn Option [1] ON in Section [000], subsection [6].
4. To have the keypad automatically display (auto-scroll) open zones, turn Option [3] ON in Section [000], subsection [6].
5. Door chime can be programmed to activate when a zone is violated, restored or both. To activate chime when a zone is violated turn Option [6] ON in Section [000], subsection [6]. To activate chime when a zone is restored turn Option [7] ON in Section [000], subsection [6].

### **PC5100 – PowerSeries Addressable (AML) Interface Module**

1. Addressable (AML) serial numbers must be enrolled manually through a keypad. Addressable serial numbers cannot be downloaded.
2. All addressable detectors must be connected to the AML loop before they can be enrolled. If it is not, the serial number will revert back to [00000].
3. The keypad will sound an error tone when entering Section [805] if the PC5100 module is not connected to the KEYBUS.
4. The panel will display a 'General System Tamper' if the tamper on the module is not secure. The tamper switch in the top, left corner of the module is not used in North America. Connect a short or normally closed switch between TAM and COM.
5. If all the AML detectors are in fault, either the AML loop is open, shorted or all the AML serial numbers were downloaded.
6. If an AML zone does not function:
  - a. Make sure the zone is assigned to a partition.
  - b. Make sure the zone is defined.
  - c. Make sure Zone Attribute #8 is ON for all AML zones – Section [101] to [164].

7. If the total current required by the AML detectors exceeds 170 mA an AMX400 Loop Regenerator module will be required.

#### **PC5108, PC5108FLR – PowerSeries 8-Zone Hardwire Zone Expander Module**

1. The Power864 only supports PC5108 v2.x modules.
2. The PC5108FLR (Fast Loop Response) is v1.x and is not supported by the Power864.
3. If the zones on the expander do not function:
  - a. Make sure the jumpers are configured properly.
  - b. Make sure the zone is assigned to a partition.
  - c. Make sure the zone is defined.
4. The panel will display a 'General System Tamper' if the tamper on the module is not secure. The tamper switch in the top, left corner of the module is not used in North America. Connect a short or normally closed switch between TAM and COM.
5. Wireless and/or addressable zones cannot be programmed as zones already assigned to a PC5108 Expander module.
6. When used with a Power832, jumpers J1-J3 are used to configure the first 4 zones on the expander, jumpers J4-J6 are used to configure the second 4 zones. When used with a Power864, only jumpers J1-J3 are used.

#### **PC5132-433 – PowerSeries 433MHz Wireless Receiver Module**

TAB 03-001      Technical Advisory Bulletin – Wireless Key Low Battery Issue  
TAB 03-002      RF-1 Near-Field Issue

1. Three consecutive 'good' module placement tests should be obtained from every transmitter to ensure it is in a good location.
2. If good placement tests cannot be obtained from a transmitter, try moving the transmitter. If this is the case with multiple transmitters, the receiver should be relocated.
3. If a detector does not function:
  - a. Make sure the serial number is entered correctly.
  - b. Make sure the serial number is not duplicated.
  - a. Make sure the zone is enabled (Power432, Power632) or assigned to a partition (Power832, Power864).
  - b. Make sure the zone is defined.
  - c. Make sure Zone Attribute #8 is ON for all wireless zones – Section [101] to [164].
  - d. Make sure the zone number is not also assigned to a PC5108 expander, keypad zone or an addressable detector.
4. The keypad will sound an error tone when entering a subsection in Section [804] if the PC5132-433 module is not connected to the KEYBUS.
5. The PC5132-433 will generate a 'General Module Tamper' if an RF Jam condition is detected. To disable an RF Jam, turn Option [7] ON in Section [804], subsection [90].

#### **PC5200 – Power Supply Module**

1. The PC5200 is only supported by the Power864.
2. The Power864 can support up to 4 PC5200 modules. If multiple PC5200 modules are used on the same system, each must be assigned to a different supervisory slot using the jumpers J1 and J2 on each module.

#### **PC5204 – PowerSeries Power Supply/Output Module**

1. PC5204 Output 01 is supervised. If output 01 is not used, a 1-K ohm resistor must be connected across Output 01 and AUX+.
2. The panel will display a 'General System Tamper' if the tamper on the module is not secure. Connect a short or normally closed switch between TAM and COM.

**PC5208 – PowerSeries 8 Low Current Output Expander Module**

1. The panel will display a 'General System Tamper' if the tamper on the module is not secure. Connect a short or normally closed switch between TAM and COM.
2. When used with a Power864 the first two outputs of the PC5108 module are the same as PGM3 and PGM4 on the main control panel.
3. The PGM outputs on the PC5208 are rated at 50 mA maximum.

**PC5320 – PowerSeries Multiple Wireless Receiver Module**

1. The panel will display a 'General System Tamper' if the tamper on the module is not secure. Connect a short or normally closed switch between TAM and COM.
2. All wireless receivers connected to module must be the same version, with the exception of v4.1x and v4.2x, which can both be used on the same module.
3. The PC5320 does not support the PC5102-433 Wireless Key Receiver module.
4. If the PC5320 has a supervisory trouble (one or more wireless receivers is disconnected), wireless programming is not allowed. The keypad will sound an error tone when entering a subsection in Section [804].
5. If a new receiver is added after the initial installation, all receivers must be defaulted – Section [996] – and all wireless information must be reprogrammed.
6. If a receiver is removed from the PC5320, the PC5320 will display a supervisory fault. To reset which receivers are connected and supervised, turn Option [1] ON in Section [804], subsection [97] and exit programming.

**PC5400 – PowerSeries Printer Module**

1. The PC5400 only supports serial printers.
2. If the printer feature does not function, try connecting the printer to a computer serial port to ensure it is functional.

**PC5700 – PowerSeries Dual-Line Dialer/Fire Module**

1. When a TLM fault is detected on either line, the corresponding LED on the module will turn ON.
2. A ground fault will occur if less than 20-K ohm resistance is detected at any point to earth ground.
3. The PC5700 transmits general reporting codes for several different events. It may be necessary to view the panel event buffer to determine the specific trouble condition.

**PC5936 – PowerSeries Audio Interface Module**

1. Each intercom station must be home-run to the PC5936 Intercom module and shielded wire must be used.
2. Intercom stations may pick up KEYBUS noise if shielded wire is not used for intercom stations. A steady 'clicking' sound will be heard in this case.
3. Intercom station #01 must be used as a door station.
4. The DND light will turn ON if incoming sounds are disabled.
5. If feedback occurs, adjust the speaker and microphone levels. Each intercom station has a separate volume control for the speaker and microphone.
6. If both the red and green LEDs on the PC5936 module are ON, one or more of the intercoms stations has a short between the speaker and microphone wiring.