

Q1. How do I stop the sounders and relay outputs operating so I can test devices for a routine maintenance ?

A1. This is achieved by putting all of the detection zones into test. This is achieved by:- Turn key to ON → Press 0 → Enter Fire System Opts Menu → Enter Engineers Config Menu → Enter 221100 Press Yes → Enter Reset System Menu → Press 0 with Reset shown → Enter FireDB Menu → Enter Advanced Menu → Enter Set Det.Zones Menu → Press Yes on TEST option. Test MODE led will flash. (Section 13 in Engineers Operating Guide). Press the No key repeatedly to return to Status Normal.

To take out of test repeat above but at the end select ACTIVE option. (Section 14 in Engineers Operating Guide)

Q2. Fire Alarm event can not be cleared down after routine maintenance ?

A2. This can sometimes occur if multiple fire alarms are generated in very short succession. This is due to the Fire Alarm events having a higher priority than the restore messages. The solution is to re-activate the individual device and then the panel can be cleared down, or the individual device can be disabled and then made active again to clear the event from the panel. (Section 4 and 5 in Engineers Operating Guide)

Q3. After a Fire Alarm event the panel can be cleared down but the detectors LED is still on ?

A3. This is correct operation. The detectors LED will stay on for 20 minutes and then turn off on its own.

Q4. How do I disable the Brigade/ARE Relay output ?

A4. Turn key to ON → Press 0 → Enter Fire System Opts Menu → Enter ARE Disable Menu → Press Yes to change → Display will show ARE DISABLED and the corresponding LED will light on the control panel front display. Press the No key repeatedly to return to Status Normal.

To re-enable the output repeat above and press YES to select ENABLED option. The corresponding LED will extinguish.

Q5. What do the front screen descriptions mean ?

A5. Common Descriptions and actions required are shown below:-

Fault PR = Control Panel has been re-powered

Action required = Turn key to ON → Press Silence Alarms → Wait until PR Fault displayed again → Press Reset Alarms.

Fault MN = Mains Fail

Action required = Check mains supply voltage and fuse. Mains supply restored will be shown in the event log when 230V is re-applied.

Fault BT = Control Panel internal backup batteries low or disconnected.

Action required = Check battery connectivity if ok replace 2 x 12V 9Ahr batteries. Note: To clear BT fault after new batteries are inserted, ensure batteries are connected and then disconnect mains supply for 5 seconds and then re-connect supply.

Fault AT = Control Panel external aerials are not connected correctly.

Action required = Check cable connections to all external aerials. A resistance of 4K7 should be seen between the inner core and screen of the aerial cable.

Fault OL = Network Control Panels not communicating to the Master panel.

Action required = Check RS485 Bus cable connections to other panels or LAN communication modules. Check power on LAN communication modules. (For further more detailed instructions see Radio/HW Setup Manual).

Fault:- Device Number = The device shown has a fault condition.

Action required = Check through event log to find full description of fault condition. (See Q 6)

Tamper:- Device Number = The device shown is in a tamper condition.

Action required = Check rear tamper is making contact with wall/ceiling. Tamper restored will be shown in the event log when tamper is clear.

Q6. How do I view device event log to find fault/alarm descriptions?

A6. Turn key to ON → Press 0 → Enter Fire System Opts Menu → Enter Engineers Config Menu → Enter 221100 Press Yes → Enter Reset System Menu → Press 0 with Reset shown → Enter Logging Menu → Enter View Entire Log Menu → Press 8 Key → Press UP arrow to scroll back through log. (Section 3 in Engineers Operating Guide) Press the No key repeatedly to return to Status Normal.

Q7. How do I reset faults/alarms?

A7. Turn key to ON → Press Silence Alarms → Wait until fault/alarm displayed again → Press Reset Alarms (Section 1 in Engineers Operating Guide)

Q8. What do the fault event log descriptions mean and how do I resolve these issues?

A8. Common Descriptions and actions required are shown below:-

A supply management = Battery Low on 1st set of batteries.

Action required = Replace all batteries in device with new Duracell Procell batteries.

B supply management = Battery Low on 2nd set of batteries.

Action required = Replace all batteries in device with new Duracell Procell batteries

C supply management = Battery missing in device.

Action required = Check all batteries are inserted correctly. Check voltage on batteries. Replace batteries if necessary or re-insert correctly.

Intermittent Device Signal = Control panel has not seen any signals from device for 120 minutes. (120 is the required call in time value set at panel)

Action required = A) Check device signal level against background level (see Q 10 and Q 11) if not within requirements move device or using range extending equipment i.e VHF high gain aerial. B) Check device is still operational by testing next to the control panel if unit operates correctly at panel this indicates out of range in location. If non-operational check the batteries on device replace if necessary. RF received should be displayed in the log when a signal has been successfully received again.

Head Missing = Detector head removed from device.

Action required = Check head in situ and check connectivity of head to base. Head replaced will be displayed in the log when the head is successfully re-located again.

Open Circuit = Monitored input on device has been opened.

Action required = Check connectivity of input along with resistor values. Condition ready will be seen in the log when the input has been restored to normal condition.

Short Circuit = Monitored input on device has been shorted.

Action required = Check connectivity of input along with resistor values. Condition ready will be seen in the log when the input has been restored to normal condition.

(Section 18 in Engineers Operating Guide shows fault listings)

Q9. What is a good signal strength for a device?

A9. Signal levels for devices must be a minimum of 60 points above the background level at the control panel. Example: Background level on control panel is 30 then all devices must have signal levels of 90+ for reliable communication. (see Q 10 and Q 11)

Q10. How do I check signal levels for a device?

A10. Turn key to ON → Press 0 → Enter Fire System Opts Menu → Enter Engineers Config Menu → Enter 221100 Press Yes → Enter Device Database Menu → Press 0 → Enter Device Number → Press Yes → Scroll down to Signal Level and a number ranging from 0-255 will be displayed. Press the No key repeatedly to return to Status Normal.

Q11. How do I check background level at the control panel?

A11. Turn key to ON → Press 0 → Enter Fire System Opts Menu → Enter Engineers Config Menu → Enter 221100 Press Yes → Enter RSSI Interference Menu → Check Background Level a number ranging from 0-255 will be displayed. Press the No key repeatedly to return to Status Normal.

Q12. How do I add a new device to panel?

A12. Turn key to ON → Press 0 → Enter Fire System Opts Menu → Enter Engineers Config Menu → Enter 221100 Press Yes → Enter Log On Devices Menu → Press YES key twice → Press 0 → Enter new device number and press YES → Scroll down to Logon Disabled and press YES until ENABLED displayed. → Press logon button for 2 secs on new device. Panel will display Logon and then Added with the new devices ident shown. → Press YES until the Logon facility changes to show DISABLED. (Section 8 in Engineers Operating Guide) Press the No key repeatedly to return to Status Normal.

Q13. How do I replace a device on the panel?

A13. Turn key to ON → Press 0 → Enter Fire System Opts Menu → Enter Engineers Config Menu → Enter 221100 Press Yes → Enter Log On Devices Menu → Press YES key twice → Press 0 → Enter device number you wish to replace and press YES → Scroll down to Logon Disabled and press YES until REPLACE displayed. → Press logon button for 2 secs on new device. Panel will display Logon and then Added with the new devices ident shown. → Press YES until the Logon facility changes to show DISABLED. (Section 8 in Engineers Operating Guide) Press the No key repeatedly to return to Status Normal.

Q14. How do I remove a device from the panel?

A14. Turn key to ON → Press 0 → Enter Fire System Opts Menu → Enter Engineers Config Menu → Enter 221100 Press Yes → Enter Remove Devices Menu → Enter device number you wish to remove and press YES →. (Section 9 in Engineers Operating Guide) Press the No key repeatedly to return to Status Normal.

Q15. How do I check what is disabled and in test on panel?

A15. Press the 1 key to view tests. Press the 2 key to view disablements.