



Flash Code Troubleshooting

Flash Code Table

Use the following table below to diagnose the the service system flash code.

Service System Flash Code	Description	Troubleshooting
1X	Detection Zone 1	<ul style="list-style-type: none"> Check for continuity on detection zone 1. Resistance between terminal strip row A position 1 - 2 should read 470K ohms +/- 23.5K ohms If L.T. 445K ohms, check for moisture intrusion or chaffed wire If G.T. 495K ohms, check for poor connections or damaged wiring
2X	Detection Zone 2	<ul style="list-style-type: none"> Check for continuity on detection zone 2. Resistance between terminal strip row A position 3 - 4 should read 470K ohms +/- 23.5k ohms If L.T. 445K ohms, check for moisture intrusion or chaffed wire If G.T. 495K ohms, check for poor connections or damaged wiring
3X	Manual Release Zone	<ul style="list-style-type: none"> Check for continuity on manual release zone. Resistance between terminal strip row A position 5 - 6 should read 470K ohms +/- 23.5K ohms If L.T. 445K ohms, check for moisture intrusion or chaffed wire If G.T. 495K ohms, check for poor connections or damaged wiring
4X	Actuation Zone 1	<ul style="list-style-type: none"> Ensure actuator(s) is/are connected Check to ensure actuator is intact and not fired Inspect wiring to look for breaks or chafing Take care not to apply voltage to the actuation circuit if using a multimeter or other device to check for continuity
5X	Actuation Zone 2	<ul style="list-style-type: none"> Ensure actuator(s) is/are connected Check to ensure actuator is intact and not fired Inspect wiring to look for breaks or chafing Take care not to apply voltage to the actuation circuit if using a multimeter or other device to check for continuity
6X	Auxiliary Switch	<ul style="list-style-type: none"> Check for continuity on auxiliary switch input Resistance between terminal strip row A position 11 - 12 should read 0 ohms
7X	Actuation Disable	<ul style="list-style-type: none"> Check the actuation disable toggle switch. Unless intentionally switched, the toggle should be in the Normal position
8X	Local Buzzer	<ul style="list-style-type: none"> Check the buzzer internal wiring to ensure it is connected Verify the buzzer wiring has not been pinched Check the front of the buzzer to verify no damage has taken place Press the Push to Test button to verify buzzer is operating
9X	Ground Fault	<ul style="list-style-type: none"> The Advantage^{Li} panel monitors for Ground fault on all field wiring circuits. In succession, disable the detection and actuation zones using the PC Utility and then disconnect the disabled zones until the ground fault clears.
10X	Abort Switch Fault	<ul style="list-style-type: none"> Check for continuity on the Abort Switch Resistance between terminal strip row A position 13-14 should read 470K ohms +/- 23.5K ohms If L.T. 445K ohms, check for moisture intrusion or chaffed wire If G.T. 495K ohms, check for poor connections or damaged wiring
11X	Cross Zone Fault	<ul style="list-style-type: none"> This fault indicates a single detection zone is in Alarm when cross zoning is programmed.
12X	Temperature Fault	<ul style="list-style-type: none"> This fault indicates a high internal temperature of greater than 120°F has been recorded by the Advantage^{Li} panel.

The following table is sued for Fire Alarm Flash Codes & a battery Fault Flash Code

Fire Alarm Flash Code	Description	Troubleshooting
1X	Alarm Zone 1	<ul style="list-style-type: none"> Check zone 1 detection wiring circuit for closure. Check manual release switch circuit for closure.
1X	Alarm Zone 2	<ul style="list-style-type: none"> Check zone 2 detection wiring circuit for closure. Check manual release switch circuit for closure
Other LED Indicators	Description	Troubleshooting
Battery Fault	Battery Fault	<ul style="list-style-type: none"> Check to be sure both primary and secondary batteries are plugged into the control panel Check the date code on the control panel label. If batteries are older than one year from date of installation, remove the primary and replace it with the secondary. Add a new secondary battery. Record the battery change date