



Date: January 31, 2020
To: Engineered and Pre-Engineered System Distributors
From: Product Safety Officer
Subject: Safety Bulletin – Battery Disconnect Kidde Fire Systems Conventional Control Units

IMPORTANT SAFETY NOTICE – ACTION REQUIRED

Please instruct your Sales, Design, Purchasing, Installation and Service personnel to read the below carefully and take action as required

This safety bulletin is to notify you of a possible shut down that may occur on certain Kidde Fire Systems (KFS) Control units when operating on battery power. If this issue occurs, a site may be left without automatic fire suppression, fire detection and evacuation notification until AC Power is restored, creating the potential for property damage, injury or death. This bulletin provides details about the solution and possible field remediation of certain Conventional Control Units. Action may be required on your part. Please read the following carefully and note Required Field Actions.

Issue Description

In the event that the incoming AC Power to the control unit is lost (and the control unit is running on battery power) AND one of the four buttons on the user interface & display is pressed, the control unit may shut down. If the control unit shuts down, the protected object or space will be without automatic fire detection, notification and suppression until the AC Power is restored and therefore a potential for property damage, injury or death exists.

Affected Units & Date Range

Affected control units are based on their firmware versions and tabulated below. Appendix A lists the specific part numbers potentially impacted.

Control Unit Type	Impacted Firmware Version(s)	Approx. Shipment Dates
Kidde Fire Systems AEGIS™	1.0.4, 1.0.5	September, 2015 – May 2016
Fenwal Protection Systems 732	1.0.4, 1.0.5	September, 2015 – May 2016
Kidde Fire Systems® AEGIS 2.0	2.0.0, 2.0.1	May 2016 – March 2019
Kidde Fire Systems AEGIS-XLT	2.0.0, 2.1.1, 2.1.2, 2.1.3	May 2016 – March 2019

Please note that the following control unit models are not impacted by this issue:

- Chemetron® Micro XLT and Micro XLT Ip
- Kidde Fire Systems AEGIS 2.0 and AEGIS-XLT Control units shipped after March 13, 2019

Solution being implemented

To rectify this issue, a mandatory firmware upgrade is **required for each impacted** Control Unit. The firmware upgrade version is dependent on the control unit model and tabulated below:

Control Unit	Firmware Upgrade Version
Kidde Fire Systems AEGIS	1.0.8
Fenwal Protection Systems 732	1.0.8
Kidde Fire Systems AEGIS 2.0	2.0.6
Kidde Fire Systems AEGIS-XLT	2.1.5

Review Appendix B for a description of other modifications implemented in the firmware upgrade.

Required Field Actions

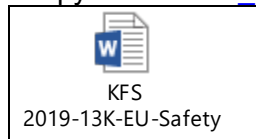
1. Completely read this document and attachments.
2. Complete the below Bulletin Receipt Acknowledgement Form and return to kidde_techsupport@carrier.com within two weeks of the date of the bulletin. We will follow up to ensure receipt of this bulletin and your acknowledgement starting 30 days from the date of the bulletin.

Attachment →



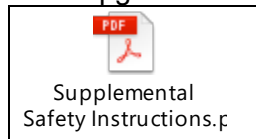
3. Visit the Kidde Fire Systems [Distributor Extranet](#) and download appropriate firmware versions and review the Installation Instructions for your installed control unit models.
4. Please review your records for the impacted products listed in Appendix A to determine which require action on your part. Contact Technical Support at kidde_techsupport@carrier.com if you require your purchase history during the affected period.
5. Notify the affected end users of this issue using the below attached notification within 30 days of receiving this bulletin. Please copy us at kidde_techsupport@carrier.com for our records of this communication.

Attachment →



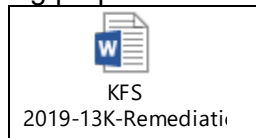
6. Provide your customers with the embedded Supplemental Safety Instructions to attach to the inside of the panels until the firmware upgrade can be performed.

Attachment →



7. Remediate the control unit on your next scheduled service visit; however, no later than one year from the date of this bulletin. Since the remediation is being performed during a scheduled service visit, no labor credit will be provided. If you have installed more than 100 systems, please contact us to establish a mutually agreeable upgrade schedule.
8. At site, physically perform the upgrade using processes described in this Safety Bulletin and the instructions contained in the Firmware Upgrade Utility. Please contact Technical Support at (866) 287-2531 or via email at kidde_techsupport@carrier.com if you have any questions regarding the process.
9. Complete the below Remediation Confirmation Form and return to kidde_techsupport@carrier.com for mutual record keeping purposes.

Attachment →



Questions or Concerns

Thank you for your attention to this matter. If you have any questions or concerns, please contact Technical Support at (866) 287-2531 or via email at kidde_techsupport@carrier.com.

CC: Kidde Fire Systems Regional Sales Manager
Kidde Fire Systems Director of Sales
Kidde Fire Systems Legal Department

Appendix A **Impacted Conventional Panel Part Numbers**

The following part numbers for conventional control units may be impacted by this bulletin (see paragraph and table titled “**Affected Units and Date Range**” on page 1 of this document):

Current Conventional Control Units

Part Number	Description
84-732001-901	AEGIS 2.0 Control Unit. Red NEMA 1 Enclosure
84-732001-902	AEGIS 2.0 Control Unit. Red NEMA 1 Enclosure w/ mounted Release and Abort Switches
84-70101793	AEGIS-XLT Control Unit. Red NEMA 1 Enclosure
84-10101510	AEGIS-XLT NEMA 4 Control Unit (24" x 20" x 6")
84-10101508	AEGIS-XLT NEMA 12 Control Unit (24" x 20" x 6")
84-20100248	AEGIS-XLT Retrofit Kit (from Micro 1-EV)
06-220150-901	AEGIS 2.0 Spare Circuit Board
84-70101664	AEGIS-XLT Spare Circuit Board

Legacy Conventional Control Units

Part Number	Description
84-732001-101	AEGIS Control Unit. Red Enclosure
84-732001-102	AEGIS Control Unit. Red Enclosure w/ mounted Release and Abort Switches
30-732001-001	Fenwal 732 Blue Enclosure
30-732001-101	Fenwal 732 Red Enclosure
30-732001-101	Fenwal 732 Blue Enclosure w/ mounted Release and Abort Switches

Appendix B **Conventional Control Unit – Firmware Upgrades**

Updated firmware versions on the [Distributor Extranet](#) address the following issues in addition to the issue described under **Issue Description**:

- Upon selecting the Output Disable feature, if AC power is disrupted then re-enabled, the output disable status is not retained. This means that outputs originally disabled will be active after the AC power is restored.

If the following sequence of events occurs, the battery backup may not activate, causing the panel to shut down:

- Output Disable sequence initiated
 - Reset button is pressed
 - AC power is removed
- During output disable function, the system may not properly detect battery removal or re-attachment