

## Procedure for Converting a Kidde Manual Discharge Button to the Metal Pin Tamper Solution

### Scope:

This procedure defines that steps for converting a manual discharge button configured to use tamper seal 421317-2 to the metal tamper pin solution using conversion kit 477545.

### Parts:

Description		Part #
Tamper Seal Conversion Kit		477545
Item #	Description	Quantity
1	Beaded Security Tie	3
2	Tamper Pin	1
3	Aluminum Cable Clamp	1
4	Instruction Label	1


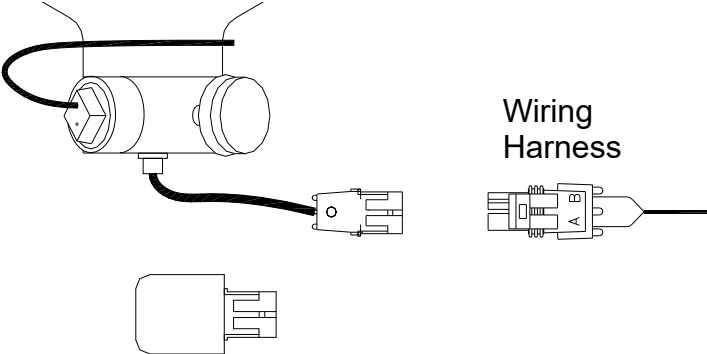


**PROPRIETARY INFORMATION**

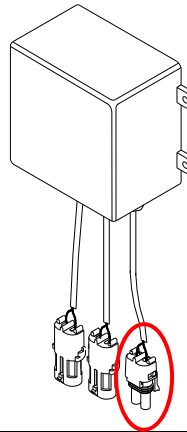
THIS DOCUMENT IS THE PROPERTY OF **KIDDE TECHNOLOGIES INC.**, A COLLINS AEROSPACE COMPANY. YOU MAY NOT POSSESS, USE, COPY OR DISCLOSE THIS DOCUMENT OR ANY INFORMATION IN IT, FOR ANY PURPOSE, INCLUDING WITHOUT LIMITATION, TO DESIGN, MANUFACTURE OR REPAIR PARTS, OR OBTAIN ANY GOVERNMENT APPROVAL TO DO SO, WITHOUT KIDDE TECHNOLOGIES' EXPRESS WRITTEN PERMISSION. NEITHER RECEIPT NOR POSSESSION OF THIS DOCUMENT ALONE, FROM ANY SOURCE, CONSTITUTES SUCH PERMISSION. POSSESSION, USE, COPYING OR DISCLOSURE BY ANYONE WITHOUT KIDDE TECHNOLOGIES' EXPRESS WRITTEN PERMISSION IS NOT AUTHORIZED AND MAY RESULT IN CRIMINAL AND/OR CIVIL LIABILITY.

Not Subject to Regulation ("NSR")

## Procedure:

Action	Photo
<p>1. Confirm the system is operating in a normal “OK” state.</p> <p><b>NOTE:</b> Steps 2 through 4 are not required to perform this conversion, but are recommended.</p>	
<p>2. Unplug each extinguisher’s firing mechanism connector from the wiring harness and plug the Valve Simulator (420871-98) into the wiring harness.</p> <p><b>NOTE:</b> A visual and audible extinguisher fault will be indicated until the Valve Simulator is connected.</p> <p><b>NOTE:</b> Some systems have more than one extinguisher. Ensure <b>all</b> extinguishers are disconnected before proceeding.</p>	 <p>Valve Simulator Kidde PN 420871-98</p>

3. Remove power from the system by removing the fuse(s) or disconnecting the J3 connector of the battery backup module if one is present.
4. Confirm that the system's controller is indicating power has been removed.



5. Remove the old tamper seal by twisting and pulling to break the seal.



6. Using the metal tamper pin determine from which side of the manual discharge button the tamper pin should be pulled to avoid interference. Ensure that the pin is able to be fully removed without blockage. The top picture shows a right pull configuration and the bottom picture shows a left pull configuration.



**Right Pull Configuration**



**Left Pull Configuration**

7. After determining from which side the pin will be inserted and removed, remove the mounting hardware holding the manual discharge on the **OPPOSITE** side from which the pin will be pulled.



8. Add the cable clamp and reinstall the mounting hardware to secure it.  
9. If removed, reinsert the tamper pin to secure the manual discharge cover.





10. Thread the Beaded Security Tie (404796) through the loop in the cable clamp and through the loop in the tamper pin. Hand tighten the security tie so that is snug.

**NOTE:** The security tie should be as tight as possible without breaking.



11. Install the new instruction label over the top of the old instruction label.

**NOTE:** If the old instruction label is larger than the new instruction label, remove the old label before installing the new label.



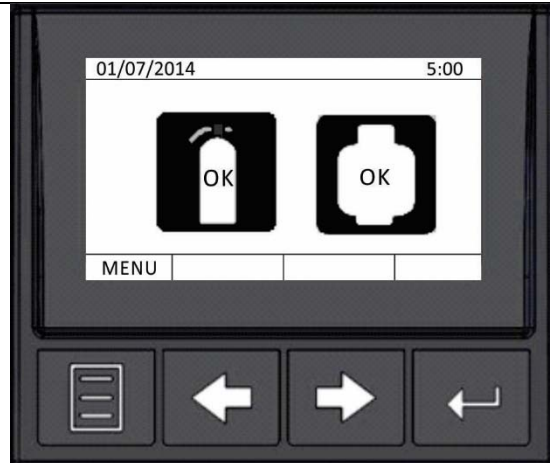
**NOTE:** If steps 2 through 4 were skipped, steps 12 through 14 do not need to be performed.

12. Re-establish power to the system.

13. Confirm the system is functioning correctly, the system is in the “System OK” state, and no fire alarms are activated.

14. With the system in the OK state and no fire alarms activated, disconnect the Valve Simulator(s) and reconnect each extinguisher’s firing mechanism connector to the wiring harness.

15. Reconfirm the system is in the “System OK” state.



## Revision History

Revision	Date	Preparer	Comments
A	3/18/2020	Jay Goebel	Initial Release