

FirePro®

FPC-5 Thermal Actuation Module. User Guide on interfacing the Bimetallic sensor (or LHD cable) with the condensed aerosol fire extinguishing units.

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This document has been prepared by the **FirePro®** Technical Department.

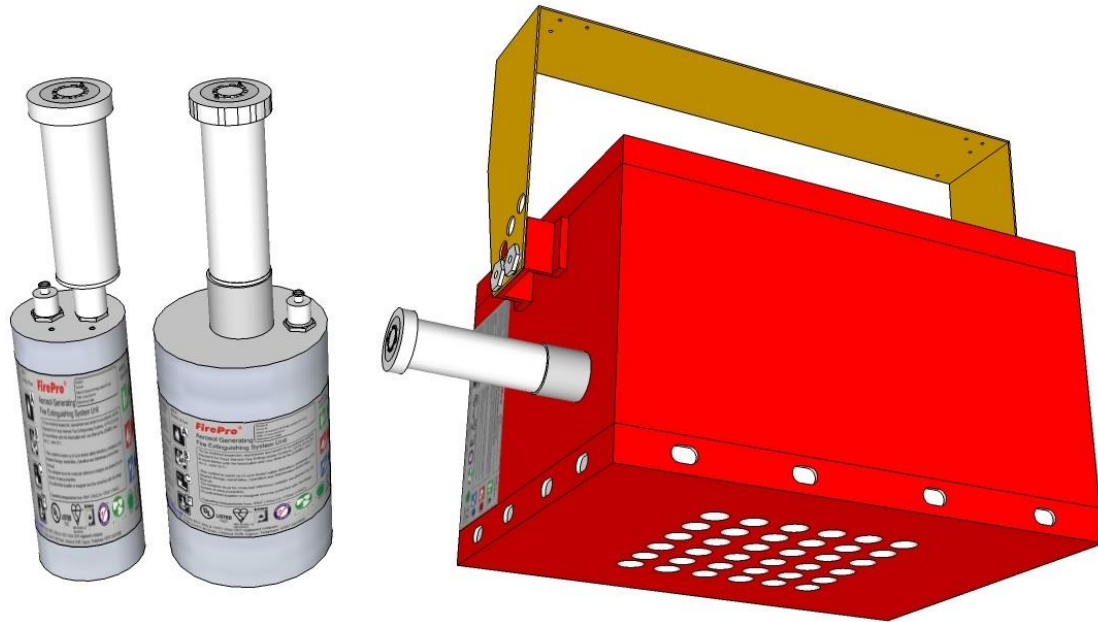
FirePro®
Condensed Aerosol Fire Extinguishing Systems

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1. Overview

This User Guide provides information on interfacing the FPC-5 module with the bimetallic sensor (or LHD cable) with the condensed aerosol fire extinguishing units.



The rated temperatures for Bimetallic sensor and LHD cable are listed below:

| | |
|-------------------------------|-----------------------|
| Bimetallic Rated Temperatures | 60°C, 70°C, 80°,100°C |
| LHD Rated Temperatures | 68°C, 88°C, 105°C |

***Interfacing the Bimetallic
sensor with the condensed
aerosol fire extinguishing
units***

FP-20SE, FP-40S,FP-80S

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Step by step procedure connecting the bimetallic sensor to the condensed aerosol fire extinguishing unit.

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Step 1

Applicable to models:
FP-20SE
FP-40S
FP-80S



Step 2

Unscrew the cap of the electrical housing.



Step 3

Pass the wires of the condensed aerosol unit through BAP2. Screw the BAP2 on the condensed aerosol unit.



Step 4

Pass through BAP1 the wires of the condensed aerosol unit.



Step 5

Screw the BAP1 on to the BAP2.

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Step by step procedure connecting the bimetallic sensor to the condensed aerosol fire extinguishing unit.

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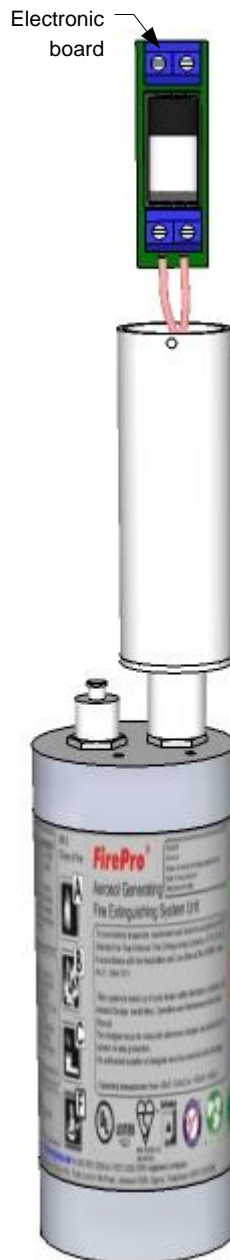
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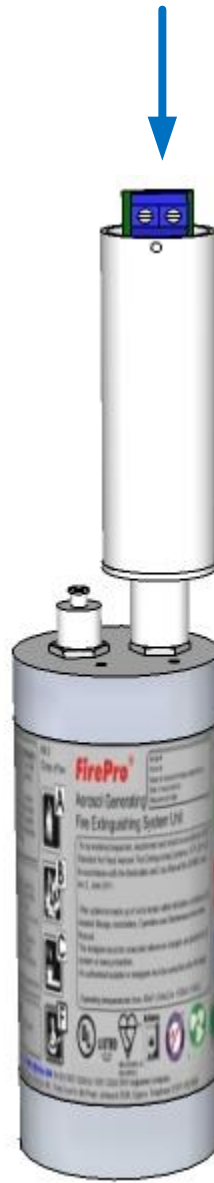
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**Step 6**

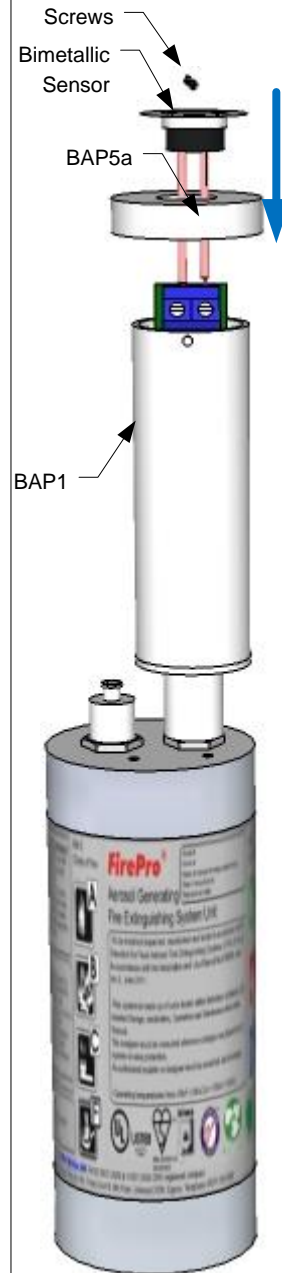
Take the 2 wires of the condensed aerosol unit and connect them to the terminal on the underside of the electronic board.

**Step 7**

Take the CR2 battery and insert it into the battery holder of the electronic board.

**Step 8**

Carefully twist the wires of the condensed aerosol unit and push the electronic board inside PAB1.

**Step 9**

Pass the wires of the bimetallic sensor through BAP5a.

Connect the wires of the bimetallic sensor to the terminal at the top of the electronic board.

**Step 10**

Screw and secure the bimetallic sensor on BAP5a.

Push BAP5a on the BAP1 and by turning it by a 1/4 turn, close and secure the device.

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Connecting the LHD cable to the condensed aerosol fire extinguishing unit.

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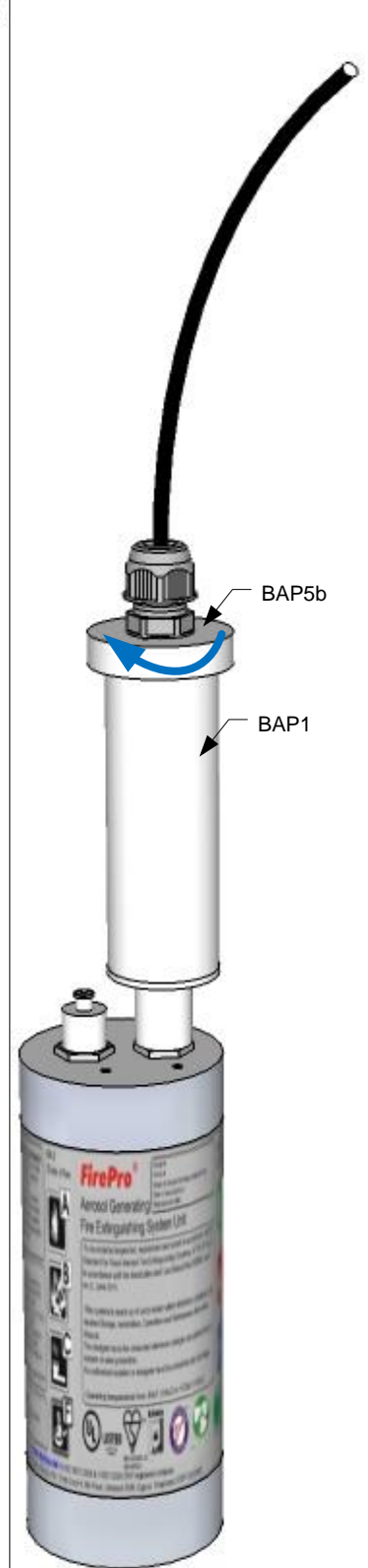
**Step 7**

If the Linear Heat detector cable is used, then follow the same procedure from step 1 to step 8.

**Step 9**

Connect the Gland over BAP5b. Take the Linear Heat detector cable and pass it through the gland and BAP5b.

Connect the wires of the Linear Heat detector cable to the terminal at the top of the electronic board.

**Step 10**

Push BAP5b onto BAP1 and by turning it by a 1/4 turn, close and secure the device.

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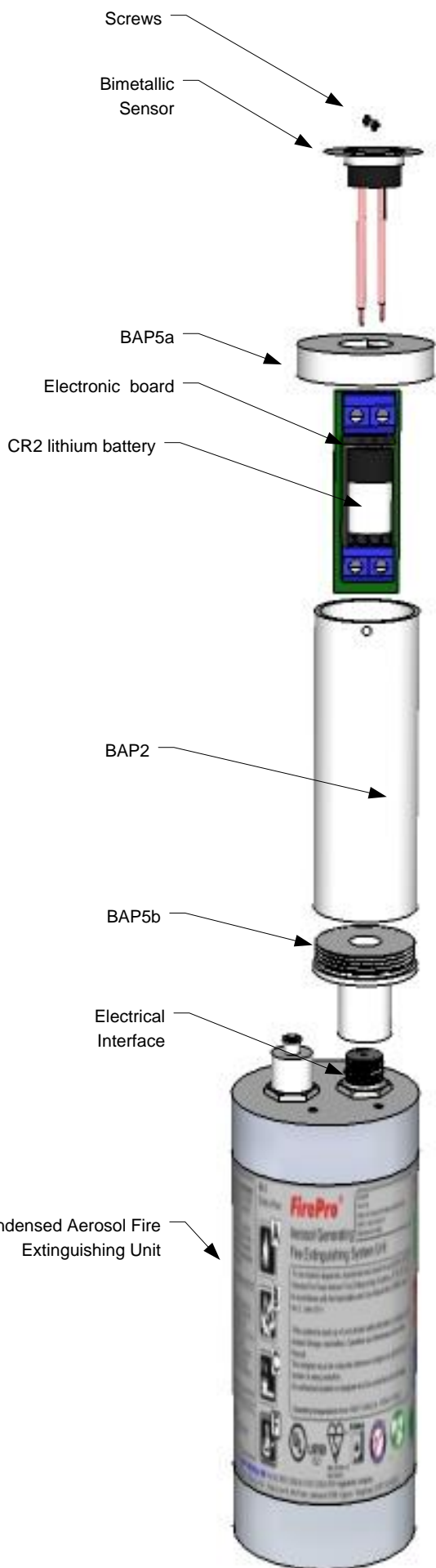
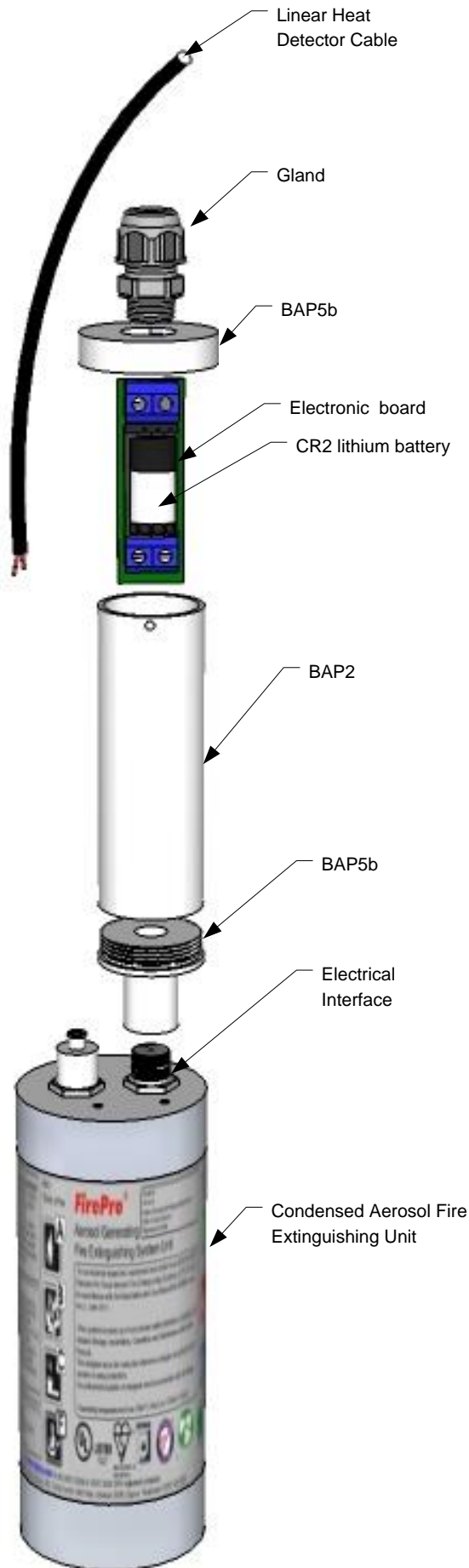
Bimetallic & LHD sensors components.

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Optional: Terminating the LHD cable.

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MK1282 Connector Box

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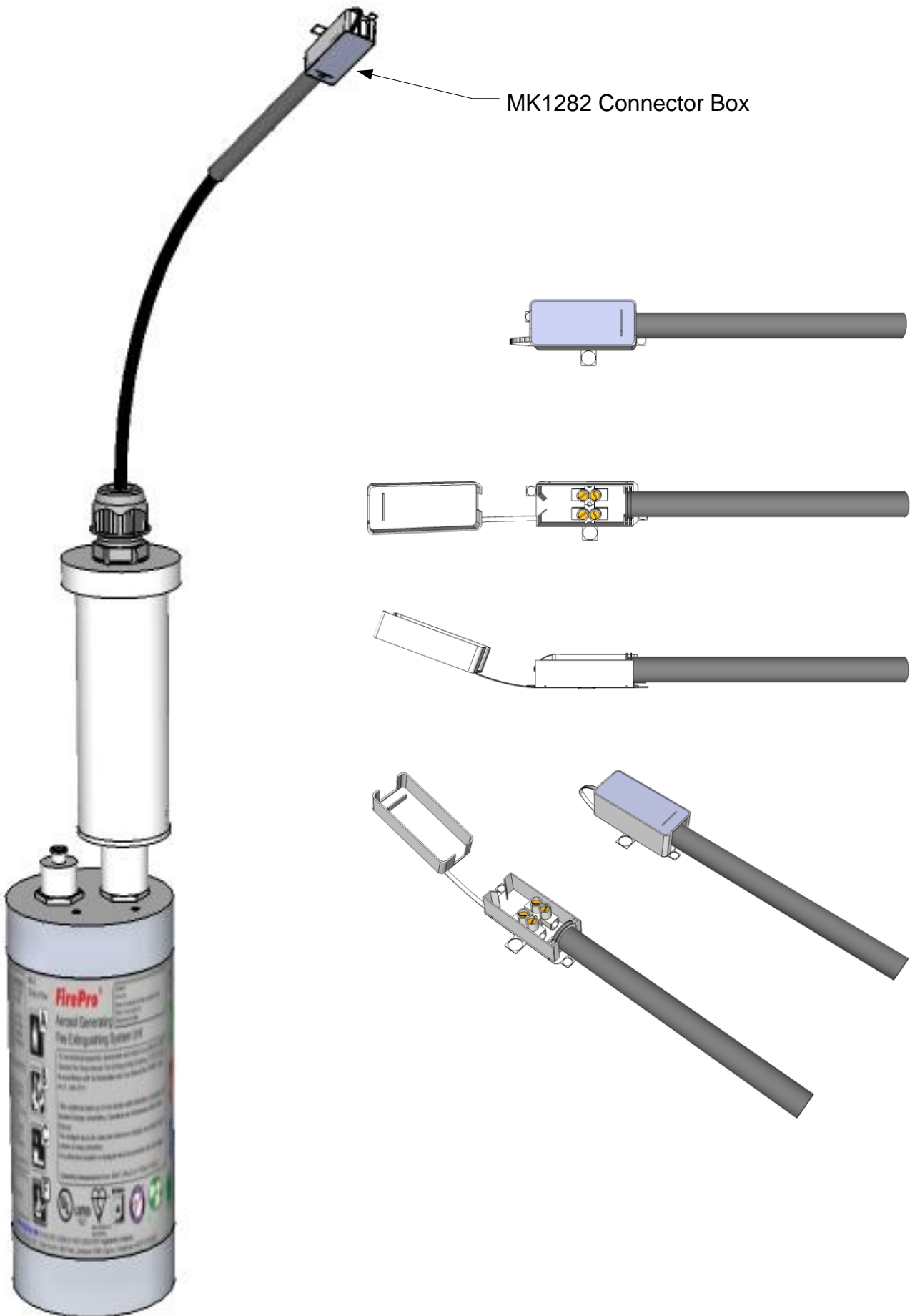
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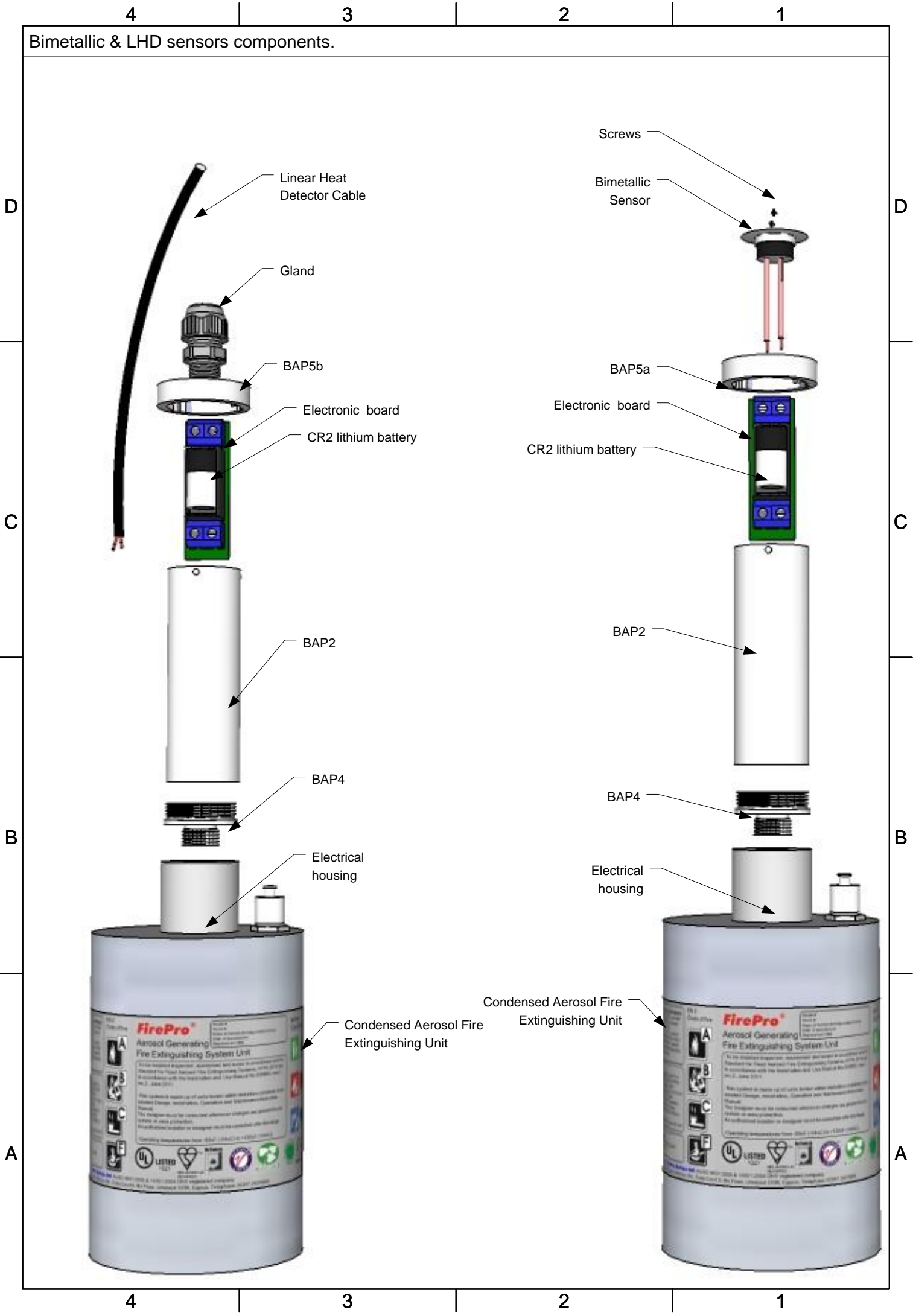
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***Interfacing the Bimetallic
sensor with the condensed
aerosol fire extinguishing
units***

***FP-100S, FP-200S,
FP-500S***

Bimetallic & LHD sensors components.



***Interfacing the Bimetallic
sensor with the condensed
aerosol fire extinguishing
units***

***FP-1200/S, FP-2000/S,
FP-3000/S, FP-5700/S***

Bimetallic & LHD sensors components.

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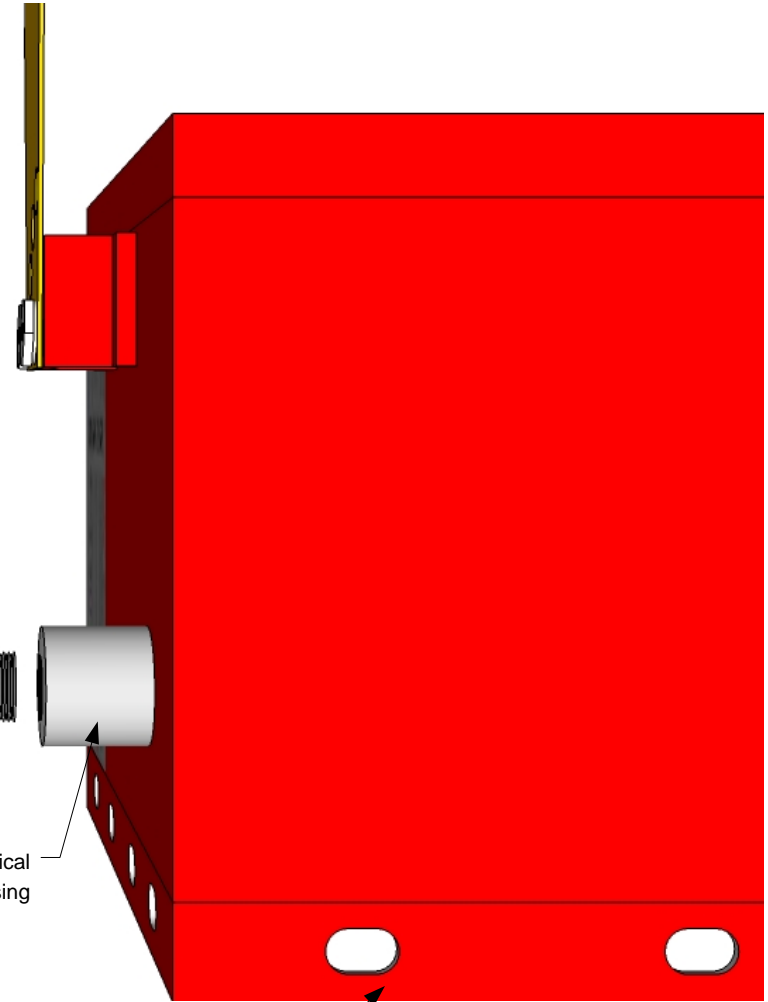
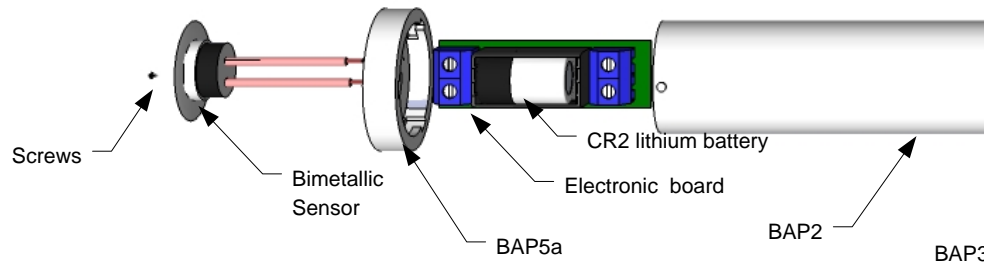
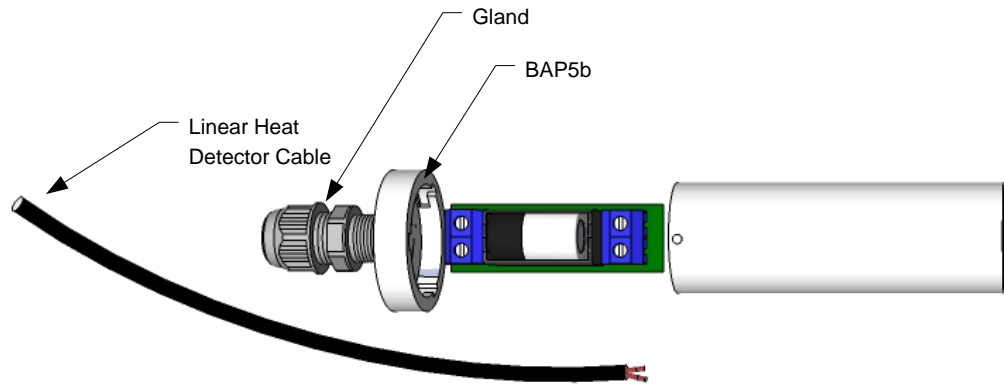
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Condensed Aerosol Fire Extinguishing Unit

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