



FirePro.

USER GUIDE

ON INTERFACING THE BTA V3 (BULB THERMAL ACTUATOR) WITH THE CONDENSED AEROSOL FIRE EXTINGUISHING GENERATORS.

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Reinventing
Fire Suppression

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Bulb Thermal Actuator - BTA V3

1.0 Overview

This User Guide provides information on interfacing the Bulb Thermal Actuator - BTA V3 unit with the condensed aerosol fire extinguishing generators.

The Bulb Thermal Actuator unit can be interfaced with the cylindrical, as well as the box type condensed aerosol fire extinguishing generators.

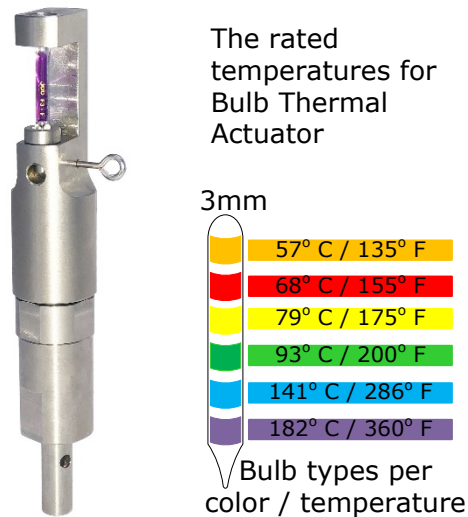


Figure 1, "Bulb Thermal Actuator"

2.0 Bulb Thermal Actuator Assembling Instructions

The BTA V3 unit consists of the mechanical part and the activator part.

The BTA adaptor is used for the assembly of the cylindrical type aerosol generators and the BTA sleeve is required for the assembly of the box-type generators.



Figure 2, "Bulb Thermal Actuator parts"

3.0 Interfacing the Bulb Thermal Actuator with the cylindrical type condensed aerosol fire extinguishing generators

Step 1: Prepare the thermal interface connector to be connected to the BTA V3.



Figure 3, "Cylindrical type, condensed aerosol fire extinguishing generator - activation interfaces"

Step 2: Connect the BTA Activator part, with the BTA Mechanical part by turning it clockwise.

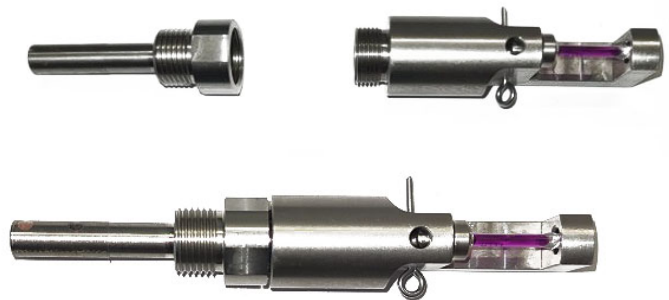


Figure 4, "Assembling the Bulb Thermal Actuator"

Step 3: Connect the BTA Adaptor to the Bulb Thermal Actuator unit by turning it clockwise.

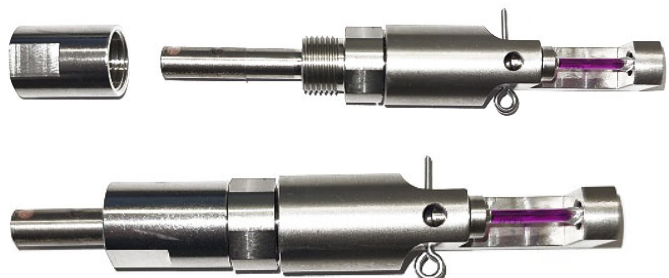


Figure 5, "Assembling the adaptor"

Step 4: Unscrew (anti-clockwise) the thermo-connector cover of the thermal interface of the condensed aerosol fire extinguishing generator.

The thermo-connector cover can be discarded when the Bulb Thermal Actuator is interfaced.



Figure 6, "Remove the thermo-connector cover"

Step 5: Connect the Bulb Thermal Actuator unit to the Thermal Interface of the condensed aerosol fire extinguishing generator by turning it clockwise.

Step 6: The Condensed Aerosol fire extinguishing generator is ready for installation.



Figure 7, "Connection of the Bulb Thermal Actuator unit to the condensed aerosol fire extinguishing generator"

Step 7: After the installation remove the safety pin. The Bulb Thermal Actuator is now fully operational. When the Bulb Thermal Actuator is activated, the Condensed Aerosol fire extinguishing generator will be immediately activated.



Figure 8, "Removing the safety pin"

4.0 Interfacing the Bulb Thermal Actuator with the box type condensed aerosol fire extinguishing generators

Step 1: Prepare the thermal interface connector to be connected to the BTA V3.



Figure 9, "Box type, Condensed aerosol fire extinguishing generator - activation interfaces"

Step 2: Connect the BTA Mechanical part with BTA Activator part by turning it clockwise.

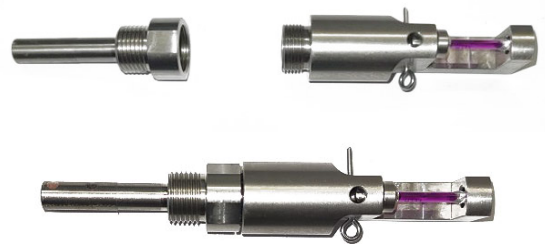


Figure 10, "Assembling the Bulb Thermal Actuator"

Step 3: On the condensed aerosol fire extinguishing generator, unscrew (anti-clockwise) and remove the sealing plug of the thermal interface.

The sealing plug cover can be discarded when the Bulb Thermal Actuator is interfaced.



Figure 11, "Remove the thermo-connector cover"

Step 4: Pass the BTA Sleeve onto the Bulb Thermal Actuator.

Align the Bulb Thermal Actuator with the thermal interface of the condensed aerosol fire extinguishing generator.



Figure 12, "Attaching the Bulb Thermal Actuator to the unit"

Insert the Bulb Thermal Actuator into the thermal interface hole and screw it clockwise until it is tightly sealed to the Condensed Aerosol Generator.



Figure 13, "Interfacing the Bulb Thermal Actuator unit to the condensed aerosol fire extinguishing generator is completed"

Slide the BTA Sleeve onto the side of the Condensed Aerosol Generator and tighten carefully the screws of the BTA Sleeve by using 2 mm Allen key.



Figure 14, "Tighten the sealing washer by using 2 mm Allen key."

Step 5: The condensed aerosol fire extinguishing generator is ready for installation.



Figure 15, "The assembly of the BTA has been completed"

Step 6: After the installation of the device remove the safety pin. The Bulb Thermal Actuator is now operational. When the Bulb Thermal Actuator is activated, the Condensed Aerosol fire extinguishing generator will be immediately activated.



Figure 16, "Removing the safety pin"

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