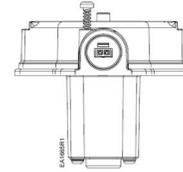


## OpenAir™ Electronic Fusible Link Used with Siemens Fire and Smoke Damper Actuators



### Product Description

The Electronic Fusible Link (EFL) is a heat responsive device used with the Siemens OpenAir™ UL listed fire and smoke control damper actuator.

Upon approaching the temperature rating of the EFL model ordered and installed, the EFL cuts power to the electronic damper actuator and the actuator's spring return mechanism closes the damper.

**NOTE:** The EFL must be factory-installed. The UL rating carried by the specific damper and actuator is assigned as an assembly and cannot be added in the field.

Replacement EFLs may be field-installed with local authority approval.

### Contents

- Electronic Fusible Link
- Two 1.5-inch (38.1 mm) No. 8 pan head self-drilling screws

### Product Numbers

ASK791.165	165°F (74°C)
ASK791.212	212°F (100°C)
ASK791.250	250°F (121°C)
ASK791.350	350°F (177°C)

**NOTE:** The EFL is compatible only with OpenAir GJD, GRD, GKD, or GVD fire and smoke damper actuators.

### Warning/Caution Notations

<b>WARNING:</b>		Personal injury or loss of life may occur if you do not follow the procedures as specified.
<b>CAUTION:</b>		Equipment damage may occur if you do not follow the procedures as specified.

### Required Tools

- 1-3/8-inch (35 mm) drill or hole punch
- No. 2 Phillips bit

### Expected Installation Time

15 minutes

### Prerequisites

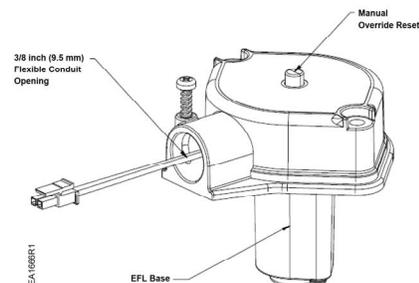
Appropriate OpenAir GJD, GRD, GKD, or GVD series damper actuator.

### Operation

When the EFL detects that its temperature rating is being approached, the power to the electronic damper actuator is shut off and the spring mechanism closes the damper.

**NOTE:** Depending on the application environment, the EFL may trip before the listed temperature rating.

The manual override reset button (see Figure 1) on the EFL can be pressed when the temperature has cooled below the EFL setpoint. The EFL device will again be operational.



**Figure 1. Parts Description.**

## Operation, Continued



### CAUTION:

Before resetting any sensor, carefully inspect the damper, damper actuator, and sensor. Verify whether or not local authorities or building managers must be contacted.

Damage to the temperature sensor will result in loss of damper control.



### WARNING:

Before attempting to reset the EFL by pressing the Override/reset button, take the precaution to protect exposed skin as the EFL will be extremely hot to the touch.

## Installation

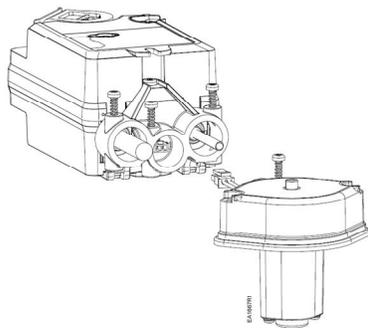
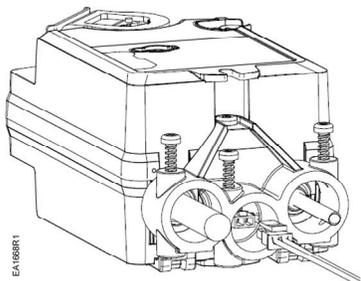


Figure 2. The EFL and OpenAir Fire and Smoke Damper Actuator.



### WARNING:

The internal/external mounting orientation or position in the duct will affect the time and/or temperature the EFL requires to switch.



**NOTE:** Notice the position of the top clip before attempting to couple the actuator with the EFL sensor.

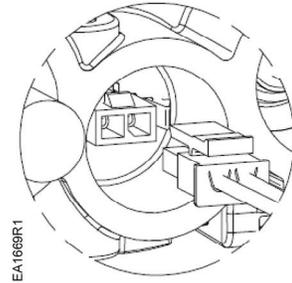
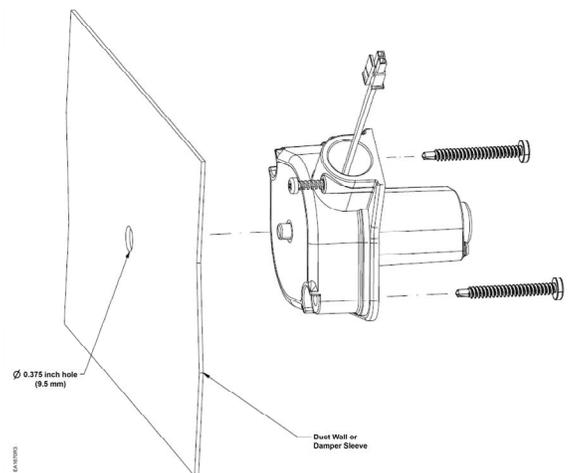


Figure 3. Proper Clip Positioning.

## Internal Mounting

For internal mounting, the reset button must protrude through a 3/8-inch (9.5 mm) diameter relief hole providing operator access for resetting the EFL.



### CAUTION:

Failure to provide a relief hole will keep the reset button pressed against the duct wall or damper sleeve, and the EFL will fail to operate as intended.

## Internal Mounting, Continued

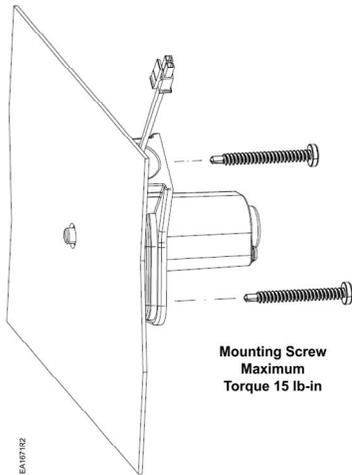


Figure 4. EFL Reset Button Relief Hole.



**CAUTION:**

Exceeding the specified mounting screw torque may damage the housings.

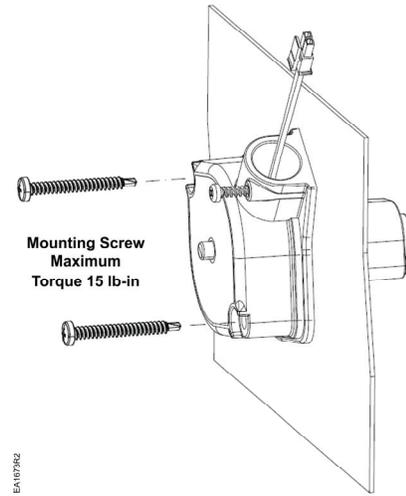


Figure 5. Providing Proper Sensor Temperature Detection Access.

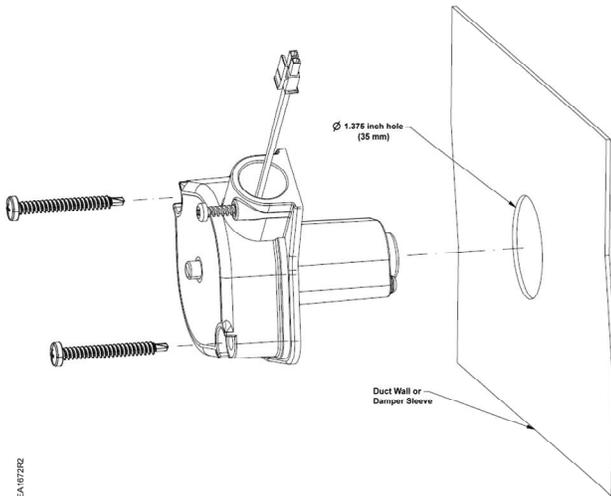


**CAUTION:**

Exceeding the specified mounting screw torque may damage the housings.

## External Mounting

For external mounting, make a 1-3/8-inch (35 mm) diameter hole in the duct wall or damper sleeve. The sensor will protrude into the duct or damper for proper temperature sensing.



## Dimensions

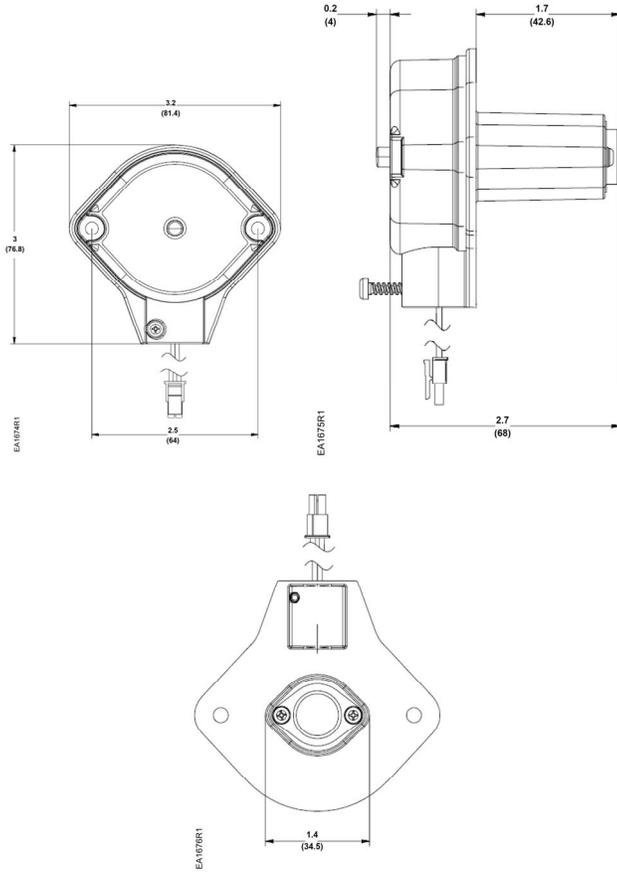


Figure 6. Dimensions in Inches (mm).

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