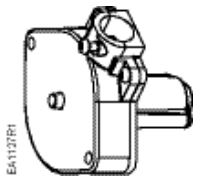
SIEMENS

Installation Instructions
Document No. 129-403
October 2, 2009

OpenAir™ Electronic Fusible Link



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 exceeding the temperature limits 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
- 2 – 1.25-in (31,75 mm) hex head self-drilling screws

Product Numbers

ASK79.165	165°F (74°C)
ASK79.212	212°F (100°C)
ASK79.250	250°F (121°C)
ASK79.350	350°F (177°C)

NOTE: The EFL is compatible only with OpenAir GNDxxx.xU/F UL listed fire and smoke damper actuators.

Warning/Caution Notations

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

Required Tools

- 1.25-inch (32 mm) drill or hole punch
- 5/16-inch (8 mm) Hex drive

Expected Installation Time

15 minutes

Prerequisites

Appropriate OpenAir GND series damper actuator.

Operation

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

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.

⚠ **CAUTION:**

Before resetting any sensor, a careful inspection of the damper, damper actuator, and sensor should be made.

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

⚠ **WARNING:**

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

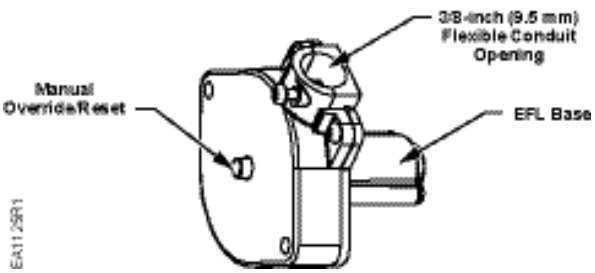


Figure 1. Parts Description.

Installation

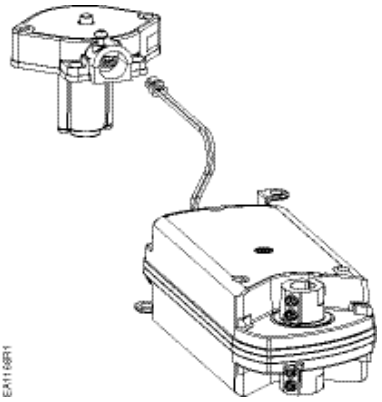
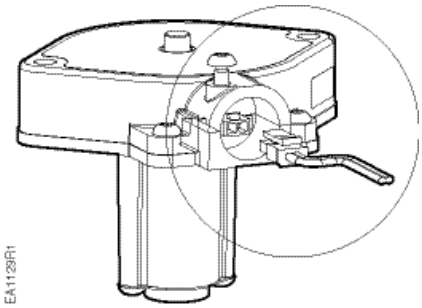


Figure 2. The EFL and OpenAir GNDxxx.xU/F Actuator.

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 position of top clip before attempting to couple actuator with EFL sensor.

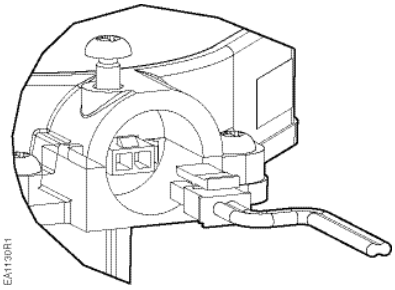
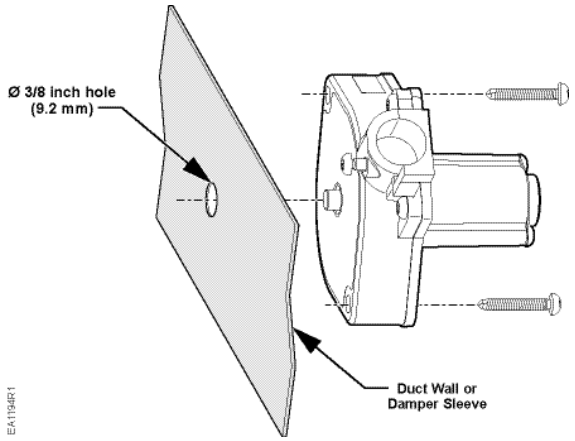


Figure 3. Proper Clip Positioning

Internal Mounting

For internal mounting, the reset button must protrude through a ∅ 3/8-inch (9.2 mm) 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.

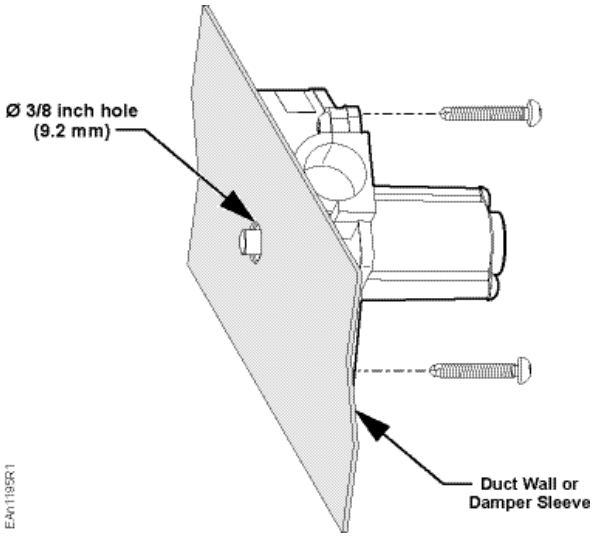


Figure 4. EFL Reset Button Relief Hole.

External Mount

For an external mount make a ∅ 1-1/4-inch (32 mm) hole in the duct wall or damper sleeve. The sensor will protrude into the duct or damper for proper temperature sensing.

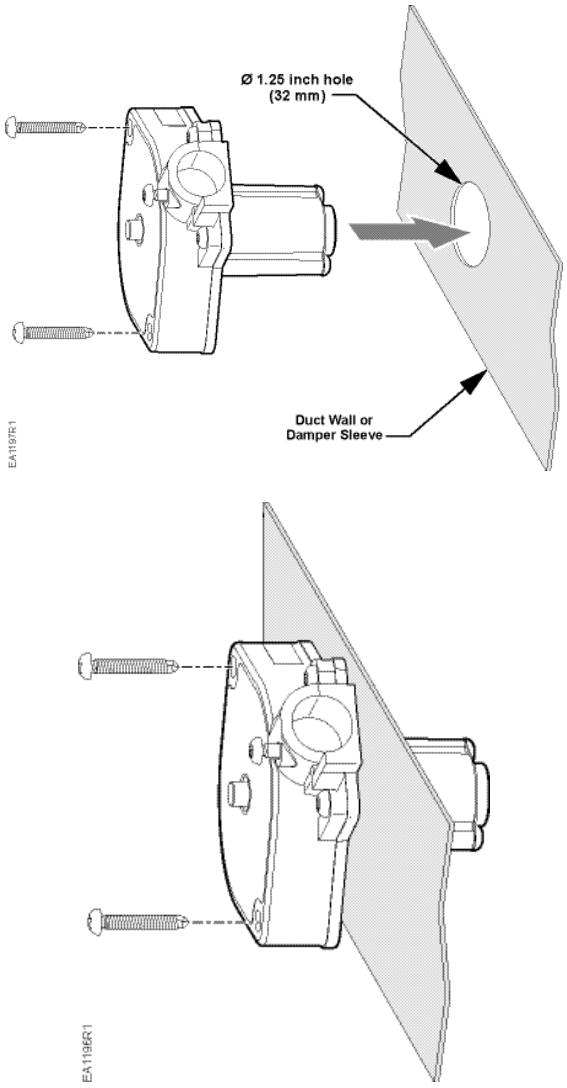


Figure 5. Providing Proper Sensor Temperature Detection Access.

Dimensions

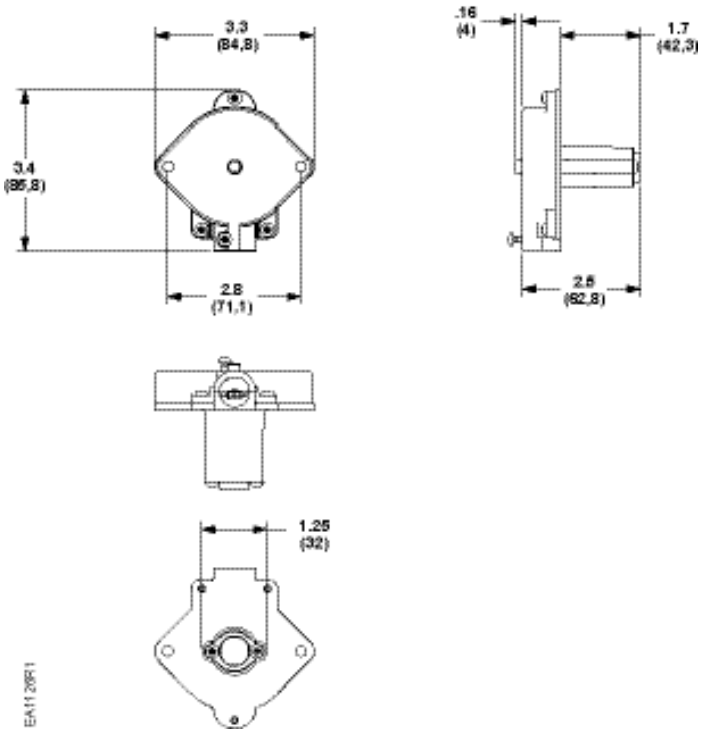


Figure 6. Dimensions in Inches (mm).

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