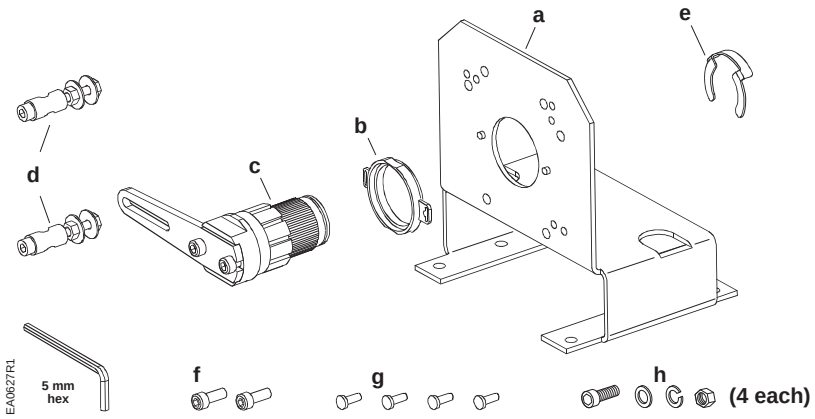
SIEMENS

Installation Instructions
Document No. 129-246
September 30, 2009

ASK71.1U Floor Mount Kit



a Floor mount bracket
b Bearing
c Crank arm
d Ball joints
e Crank arm locking clip
f Internal hex head thread-forming screw
g Screws
h Bolts, washers and nuts
5mm hex key

Figure 1. Contents of ASK71.1U Kit.

Product Description

This kit provides for the foot mounting of the GCA, GBB, and GIB OpenAir™ actuators mounted in the airstream.

Product Numbers

ASK71.1U

Installation Conventions

WARNING	⚠	Personal injury/loss of life may occur if a procedure is not performed as specified.
CAUTION	⚠	Equipment damage or loss of data may occur if the user does not follow procedure as specified.

Required Tools

- Phillips screwdriver
- 5 mm hex key (provided)

Expected Installation Time

30 minutes

Prerequisites

Obtain proper length 1/4 or 5/16-inch (6.3 or 7.9 mm) diameter steel push rod.

Installation

⚠ **CAUTION:**

In thin duct sections, use a reinforcing plate and the bolts and washers (item h, *Figure 1*) when attaching the actuator to the duct.

1. Attach the mounting bracket to the floor of the duct using the four sheet metal screws or bolts (item g, *Figure 1*).
2. If necessary, remove the shaft adapter from the actuator.

Attaching the Actuator to the Bracket.

1. Place the actuator on the bracket.

   GCA (spring return): Place the label with the counterclockwise rotation arrow next to the bracket.
   GBB/GIB (non-spring return): Place the non label side next to the bracket.

2. Fasten the actuator to the bracket using the two internal hex head screws.
3. Tighten the screws with a 5 mm hex key.
4. Place the bearing in the opening of the bracket.

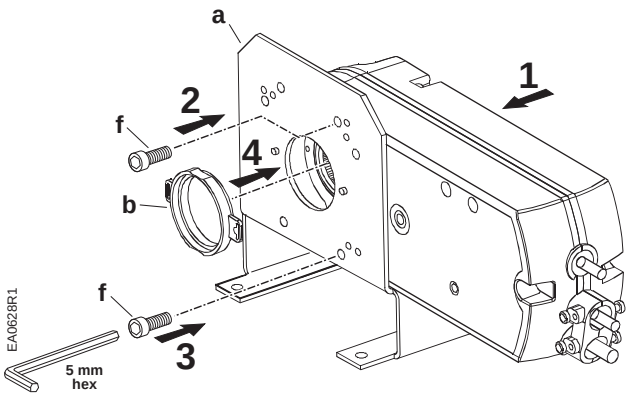


Figure 2.

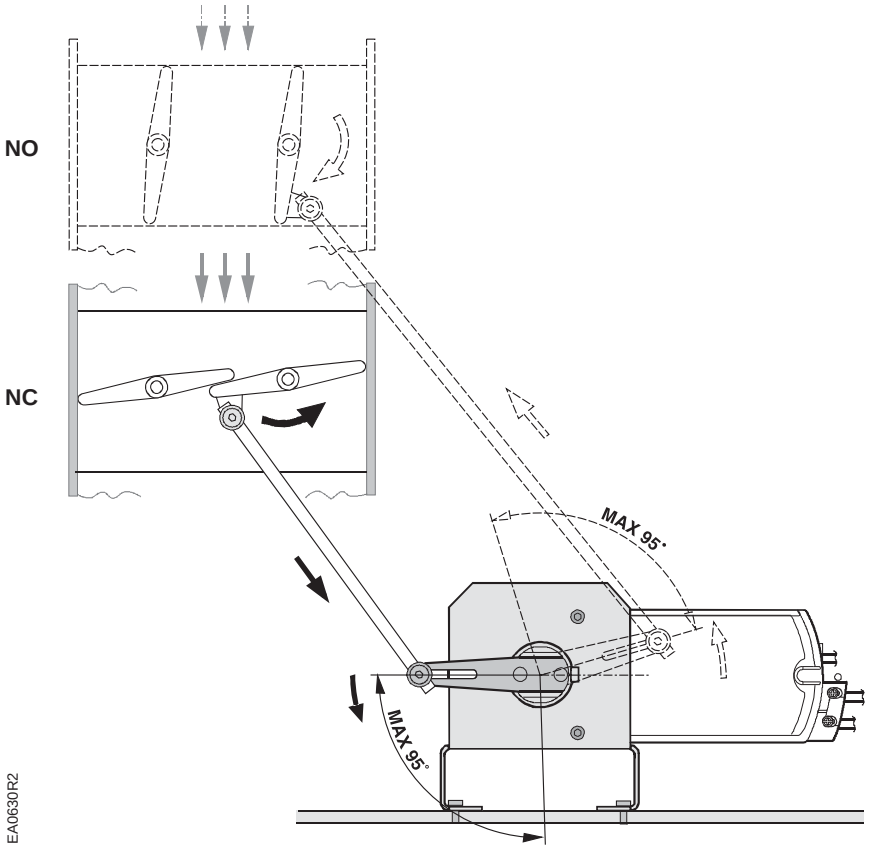


Figure 3. Crank Arm Position for Normally Open and Normally Closed Applications.

Attaching the Crank Arm and Push Rod.

Refer to *Figure 3* to determine the crank arm position depending on whether the damper blades are normally open or normally closed.

1. Insert the crank arm in the actuator.
2. Fasten the locking clip over the crank arm.
3. Insert a push rod in a ball joint.
4. Using a 5 mm hex key, fasten the ball joint and push rod to the crank arm.

   NOTE: The ball joint can be attached from 2 to 3-1/2 inches (50 to 90 mm) from the center of the crank arm. Refer to *Figure 5.*
5. Slip the other ball joint over the push rod.
6. Using a 5 mm hex key, attach the push rod and ball joint to the damper blade.
7. Make any push rod adjustments to get the desired operation.

The installation is complete.

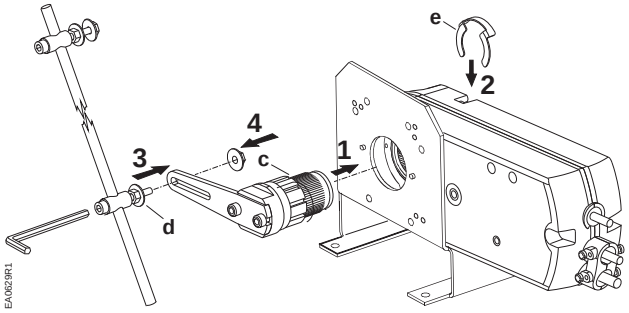


Figure 4.

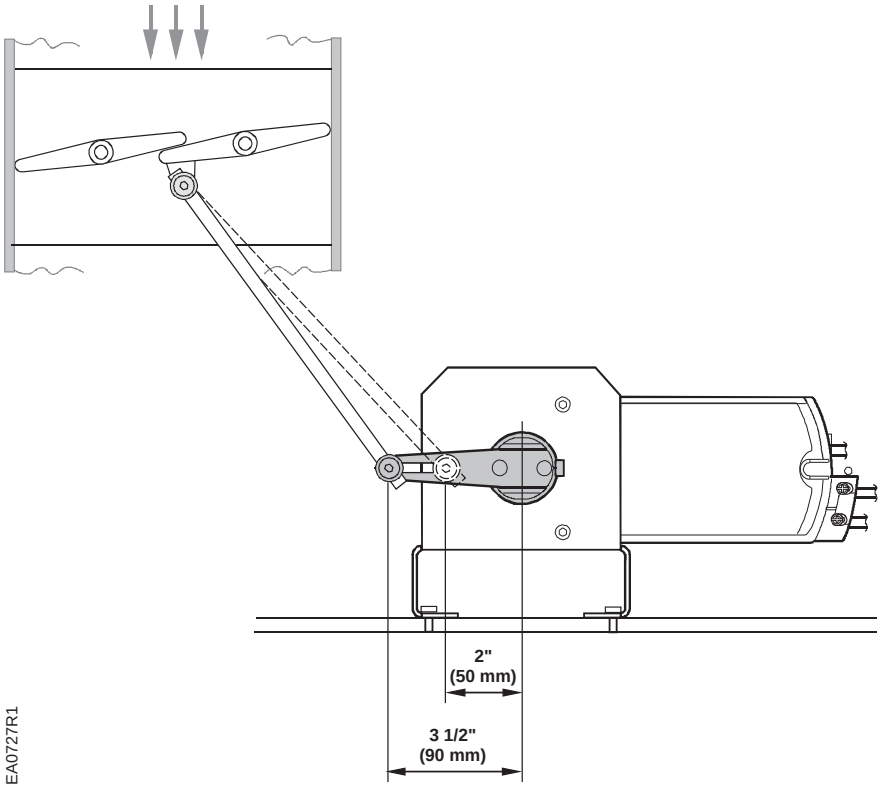


Figure 5.

Dimensions

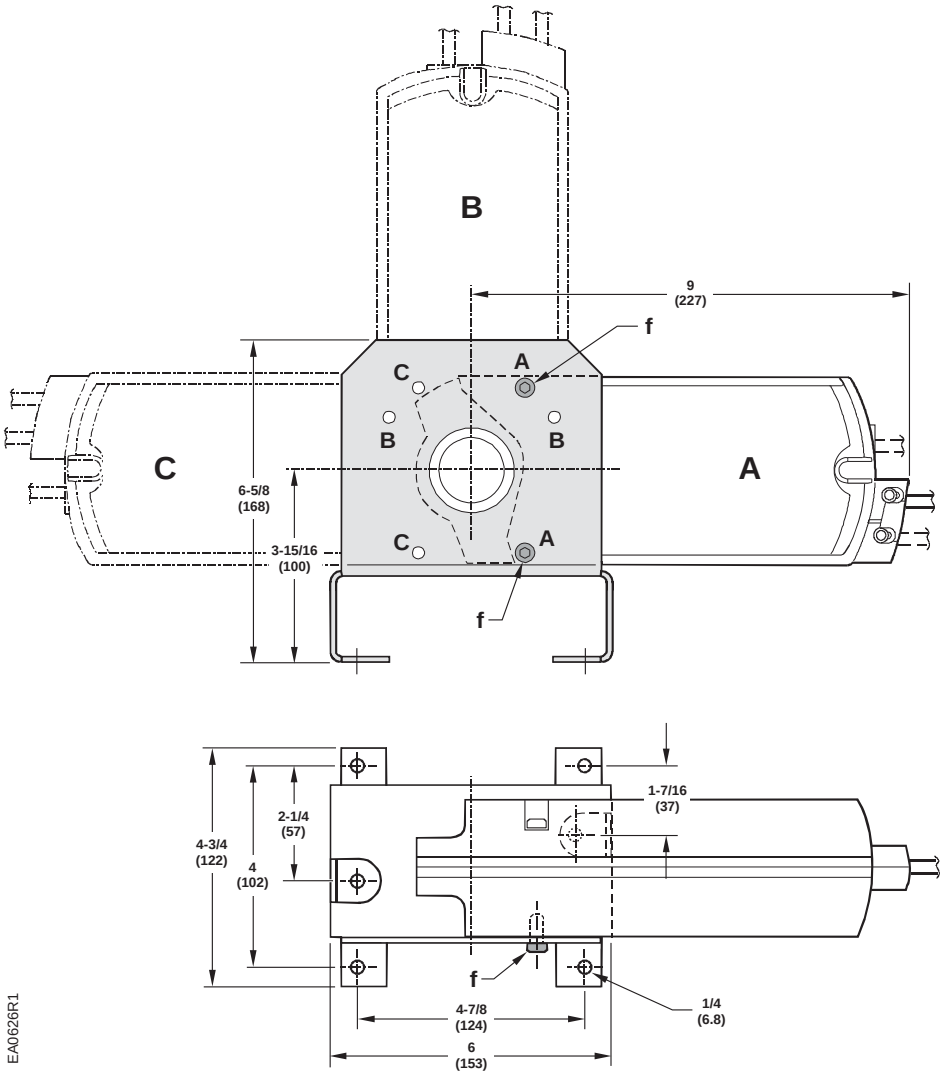


Figure 6. Dimensions in inches (millimeters).

References

Installation instructions

GCA Spring Return Rotary Electronic Damper Actuator 129-218

GBB/GIB Non-Spring Return Modulating Control Rotary Electronic Damper Actuator 129-222

GBB/GIB Non-Spring Return 3-position Control Rotary Electronic Damper Actuator 129-244

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