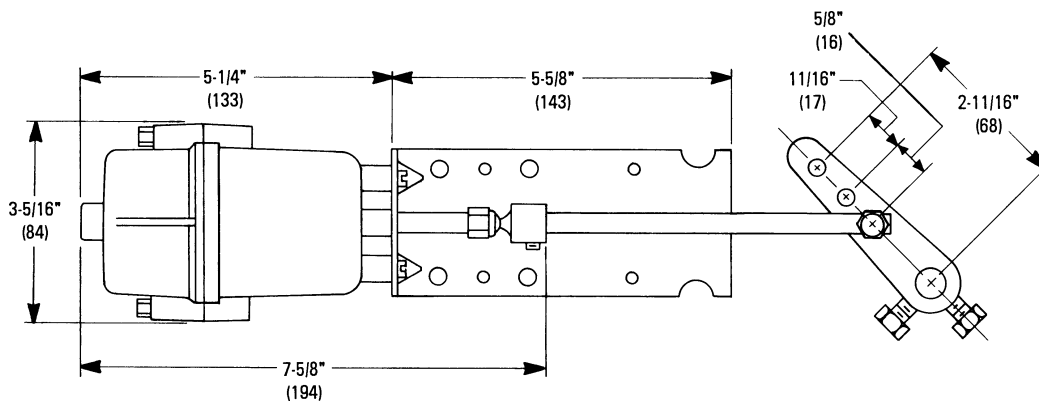


## Installation Guide

### Mounting

1. Slide the crankarm over the damper shaft.
2. Determine whether the damper shaft must rotate Clockwise (CW ) or Counter Clockwise (CCW).
3. Locate the half-circle cutouts on the outside corners of the bracket.
4. Place the appropriate half circle cutout over (for clockwise rotation), or under (for counter clockwise rotation) the damper shaft.
5. Loosely mount the actuator externally on the duct or air handling unit.
6. Leave sufficient room for adjusting and servicing the unit.
7. Position the damper for its "normal" position.
8. Tighten the crankarm set screws.
9. Check that the linkage will not bind as the shaft extends and retracts.
10. Firmly anchor the bracket to the duct. The actuator assembly is positioned for 90° rotation.



### Connections

- ◆ Use 1/4" (6 mm) O.D. polyethylene tubing.
- ◆ Use only clean, dry control air. No attempt should be made to use any other medium.

**NOTE:** If the application requires operation near the maximum temperature and maximum pressure, add a tubing restraint to the actuator connection.

1. Connect the signal (0–20 psig) to the 3/16" fitting on the base of the actuator.
2. Slowly apply supply pressure to fully stroke the actuator and linkage.
3. Check for any binding. Fine tuning can be accomplished by adjusting the balljoint on the pushrod.

## Adjustments and Calibration

No adjustments or fine tuning are necessary.



### **DANGER**

The MCP-1020 contains a large powerful spring.  
Exercise extreme caution if disassembly is required.  
The actuator shaft **MUST** be restrained to prevent  
the spring from expanding.

## Maintenance

No routine maintenance is required.

Each component is designed for dependable, long  
term reliability and performance.

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