

Damper Accessory Kits and Replacement Parts

Johnson Controls provides a line of hardware kits to enhance installation and operation of dampers. Each kit is illustrated and accompanied by a brief description of its function. Use the code number provided to order a kit.

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Table 2: Replacement Parts

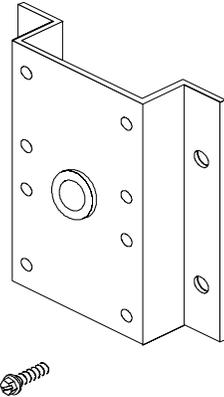
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Accessory Kits

Control Dampers

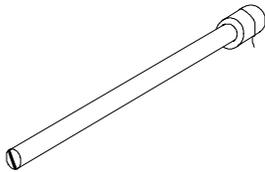
It is recommended that each accessory kit be used on the preferred driving blade whenever possible.

DMPR-KC001 Blade Pin Extension Support Bracket



This kit includes a bracket with a bearing that attaches to the end channel to provide additional support of the blade pin extension. Use this kit for support when the universal mounting bracket is not used.

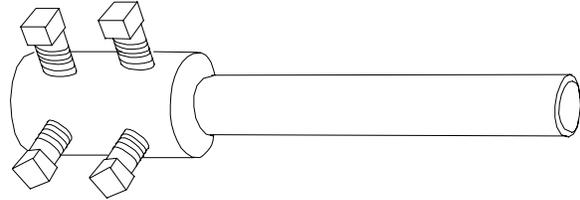
DMPR-KC002, 3-1/4 Inch; DMPR-KC003, 7 Inch; DMPR-KC004, 15 Inch; and DMPR-KC007, 3-3/4 Inch Blade Pin Extensions



DMPR-KC002, DMPR-KC003, DMPR-KC004, and DMPR-KC007 are blade pin extensions used to accommodate external linkages and actuators. They should be used on the preferred driving blade.

Note: DMPR-KC003 is standard with all control dampers.

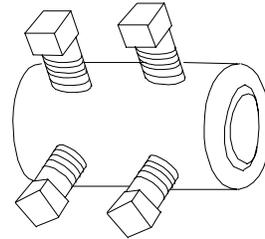
DMPR-KC005 Blade Pin Extension with Coupler



DMPR-KC005 is a 7-inch-long blade pin extension with a coupler to be attached to another blade pin extension. It should be used on the preferred driving blade.

Note: Do not use with round dampers.

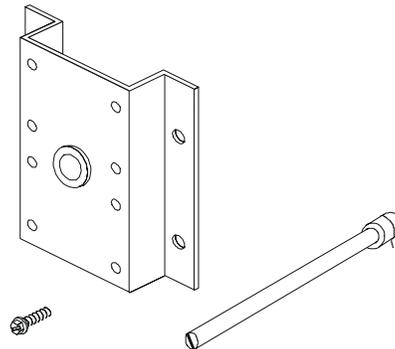
DMPR-KC006 Blade Pin Extension Coupler



DMPR-KC006 is a coupler used to join two blade pin extensions to accommodate separations between two panels.

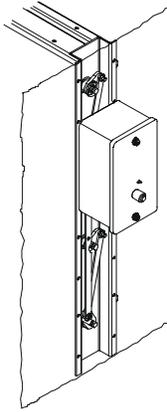
Note: Do not use with round dampers.

DMPR-KC008 Blade Pin Extension Support Bracket with Blade Pin Extension



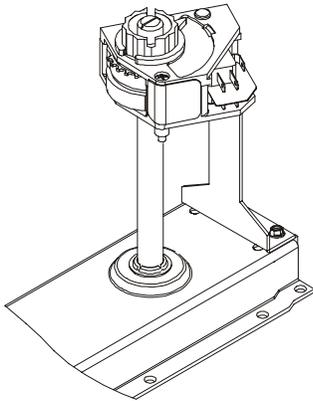
This kit includes a blade pin extension and a bracket with a bearing that attaches to the end channel to provide additional support of the blade pin extension. Use this kit for support when the universal mounting bracket is not used.

DMPR-KC009 Blade Position Indicator



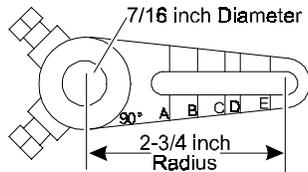
This switch kit senses the open and closed position of the damper blade and provides a feedback signal to a controller.

DMPR-KC010 Adjustable Position Indicator



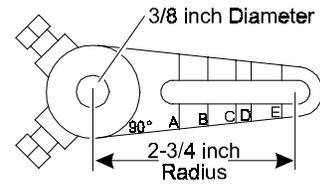
This switch kit has two adjustable cams that can be set to sense blade positions between 0 and 90 degrees.

DMPR-KC050 Crank Arm, 7/16 Inch Diameter Shaft



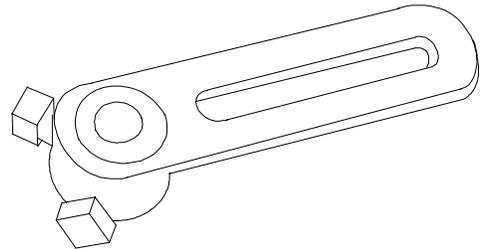
DMPR-KC050 provides a connection from actuator to damper blade pin extension with a 7/16 inch diameter drive shaft, adjustable from 1 to 2-3/4 inch radius.

DMPR-KC051 Crank Arm, 3/8 Inch Diameter Shaft



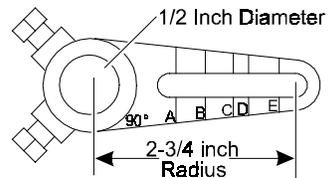
DMPR-KC051 provides a connection from actuator to damper blade pin extension with a 3/8 inch diameter drive shaft, adjustable from 1 to 2-3/4 inch radius.

DMPR-KC052 Crank Arm, 1/2 Inch Diameter Shaft



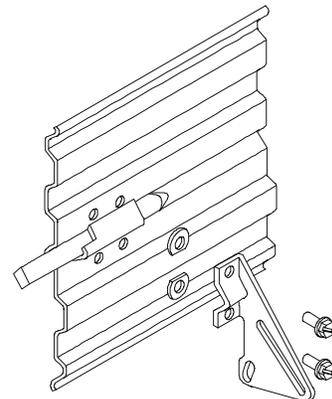
DMPR-KC052 provides a connection from actuator to damper blade pin extension with a 1/2 inch diameter drive shaft, adjustable to 1-11/16 inch radius.

DMPR-KC053 Crank Arm, 1/2 Inch Diameter Shaft



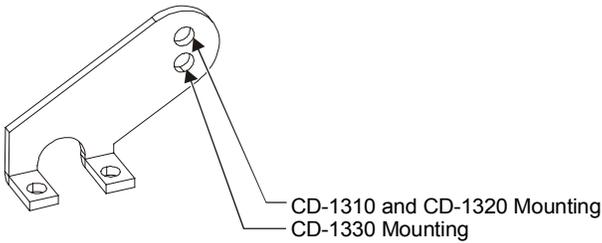
DMPR-KC053 provides a connection from actuator to damper blade pin extension with a 1/2 inch diameter drive shaft, adjustable from 1 to 2-3/4 inch radius.

DMPR-KC054 Blade Arm



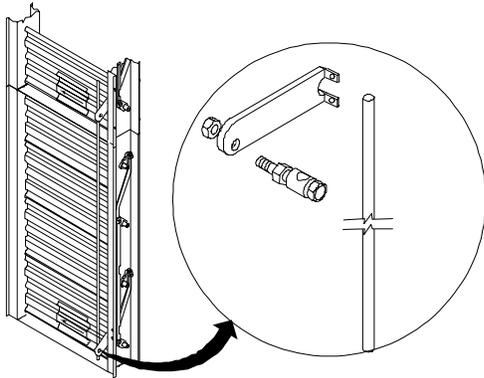
Use the DMPR-KC054 Blade Arm to link damper actuator rod hardware directly to damper blades.

DMPR-KC055 Blade Arm for M9000



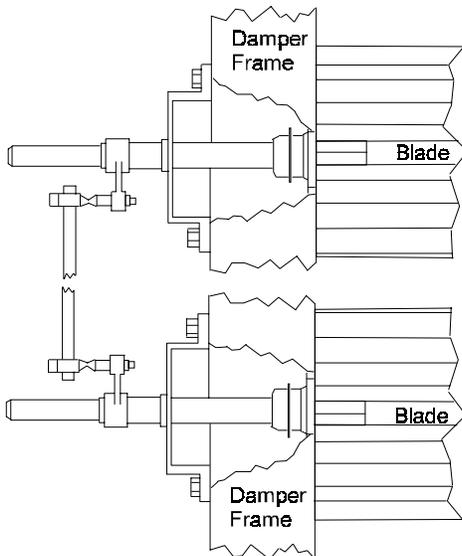
Use the DMPR-KC055 Blade Arm to link damper actuator rod hardware directly to damper blades.

DMPR-KC100 Internal Vertical Blade-to-Blade Linkage



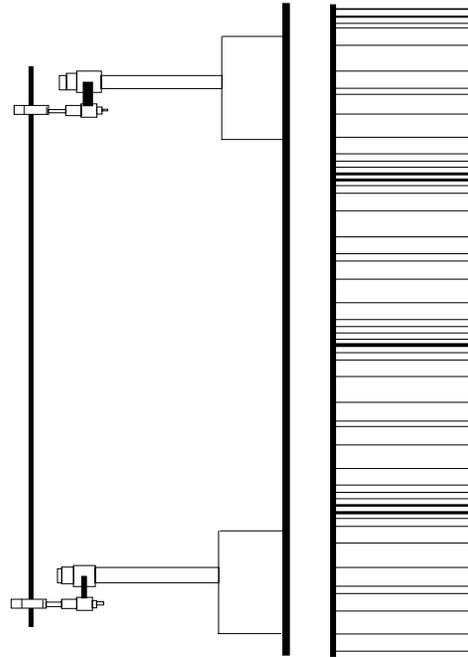
DMPR-KC100 provides all components necessary to drive vertically coupled panels. It uses a 48-inch-long, 5/16 inch diameter linkage rod. Face/Bypass application requires one panel to be ordered with left side linkage.

DMPR-KC101 External Vertical Pin-to-Pin Linkage



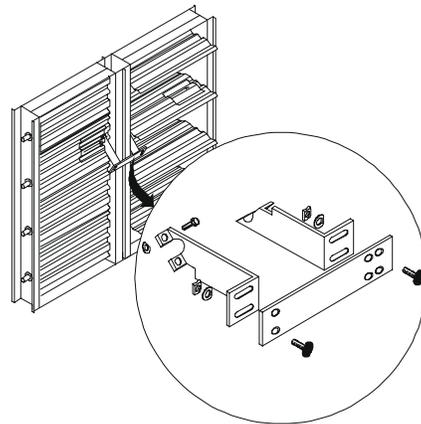
DMPR-KC101 vertically couples two panels for an external drive. It is used with either both panels open, or one panel open and the other panel closed.

DMPR-KC102 Linkage Rod, 48 Inch Long



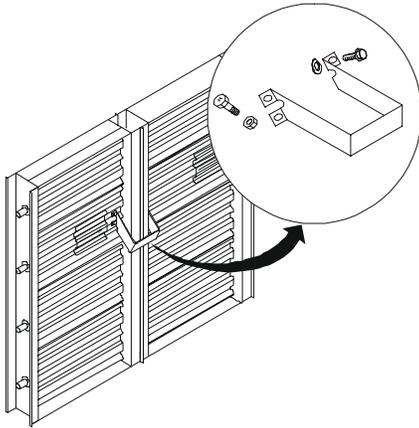
DMPR-KC102 is a 48-inch-long, 5/16 inch diameter connecting rod for linkage kits.

DMPR-KC150 Horizontal Face/Bypass Bracket



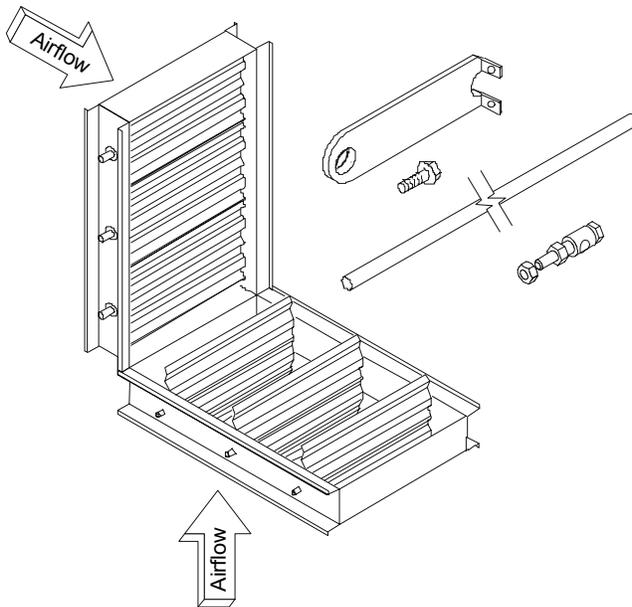
DMPR-KC150 horizontally couples one normally open and one normally closed panel, joined side by side in a face/bypass configuration. This application requires one panel to be ordered with left side linkage. One kit is required for every 24 inches of panel height.

DMPR-KC151 Blade-to-Blade Bracket



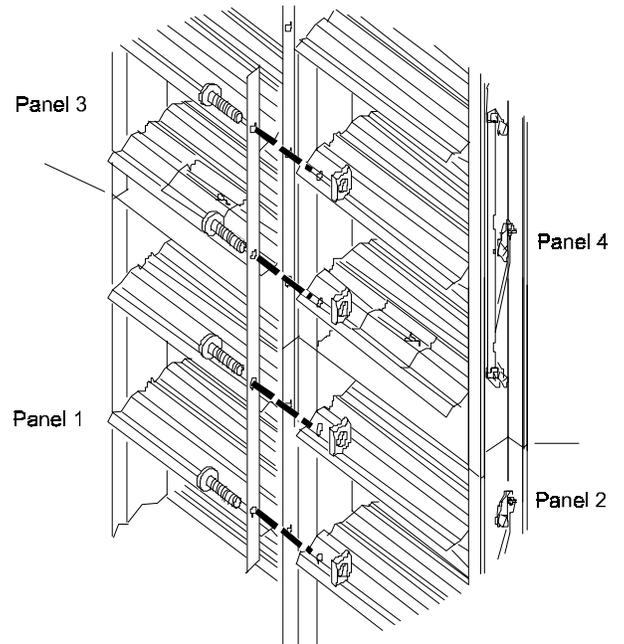
DMPR-KC151 horizontally couples two panels with the blades operating in the same direction. One kit is required for every 24 inches of panel height.

DMPR-KC152 90° Blade-to-Blade Linkage



DMPR-KC152 couples two panels joined at a 90° angle. Panels should be normally open/normally closed, and this kit should be used on panels with three or more blades. Requires one panel to be ordered with left side linkage.

DMPR-KC200 Support Bar



This kit includes one 21-inch-long bar to be installed at the point where four panels join.

How to Order:

The following recommendations are based on tests with 24 x 24 inch and 48 x 48 inch panels.

In general, for panels having:

- less than four blades per panel, use one support bar.
- four or more blades per panel, use two support bars.

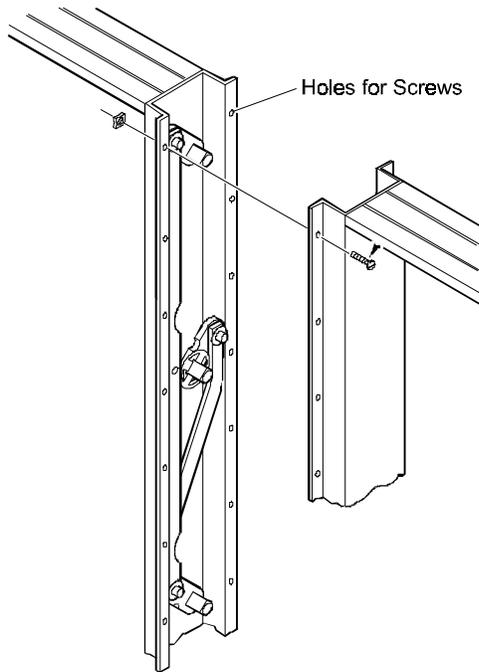
For a unit of four panels with a combined area up to 16 square feet maximum based on a closed off static pressure of:

- 1 to 4 inch WG, use one support bar.
- 4 to 8 inch WG, use two support bars.

For a unit of four panels with a combined area of 16 to 64 square feet maximum based on a closed off static pressure of:

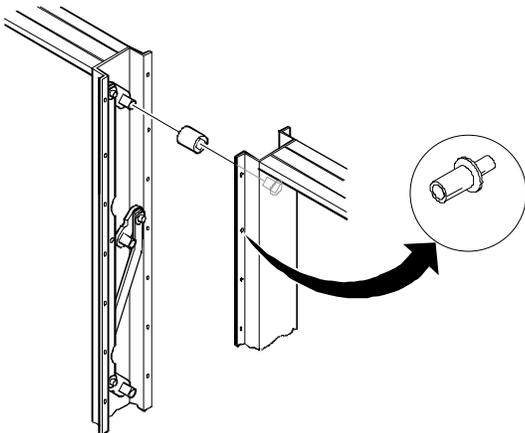
- 0 to 2 inch WG, use two support bars.
- 2 to 4 inch WG, use four support bars.

DMPR-KC201 Damper Fastener



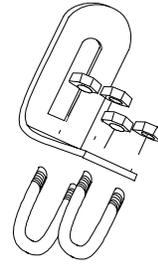
DMPR-KC201 is used to secure two or more panels together. Order one kit for each 48 inches of panel height.

DMPR-KC202 Pin-to-Pin Coupling



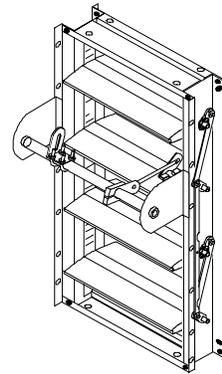
DMPR-KC202 horizontally couples panels pin-to-pin. Order one kit per 48 inches of panel height. Install a coupler on every pin.

DMPR-KC203 Drive Arm and U-Bolts



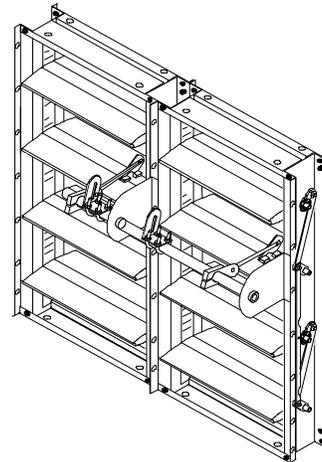
DMPR-KC203 provides an additional drive arm and U-bolts for jackshaft-driven dampers.

DMPR-KC204 One-Panel Jackshaft



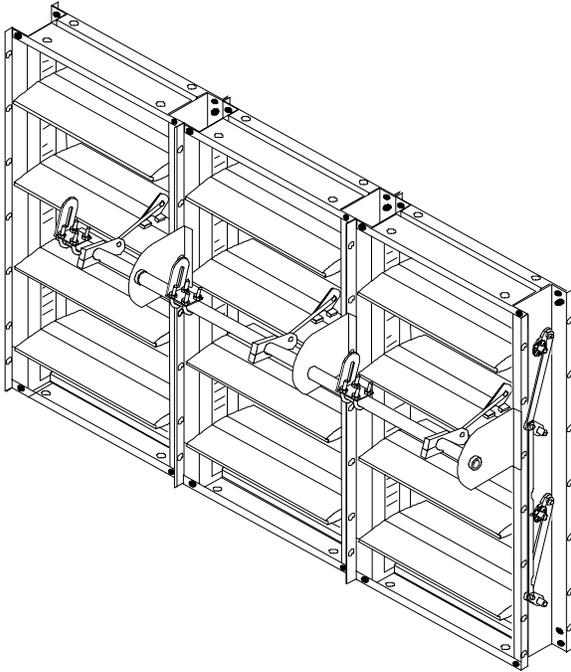
DMPR-KC204 provides an extended drive location for one-panel dampers. The jackshaft should be situated near the center of the panel for best results.

DMPR-KC205 Two-Panel Jackshaft



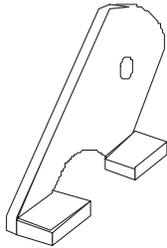
DMPR-KC205 provides an extended drive location, or couples two panels to the same actuator. The actuator should be situated near the center of the jackshaft for best results. The jackshaft length is 5 feet.

DMPR-KC206 Three-Panel Jackshaft



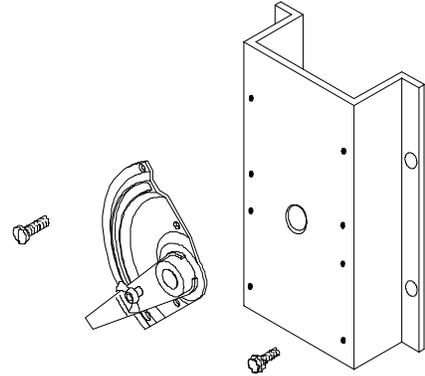
DMPR-KC206 couples three panels to the same actuator. The actuator should be situated near the center of the jackshaft for best results. The jackshaft length is 10 feet.

DMPR-KC207 Crank Arm Assembly



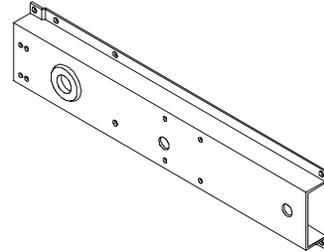
DMPR-KC207 is a replacement blade arm for jackshaft kits.

DMPR-KC250 Manual Locking Quadrant



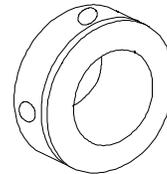
DMPR-KC250 provides for manual positioning and locking.

DMPR-KC251 Universal Mounting Bracket



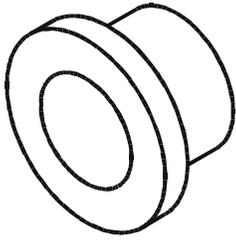
DMPR-KC251 is a bracket designed for use with Johnson Controls dampers for electric or pneumatic actuators.

DMPR-KC252 Collar



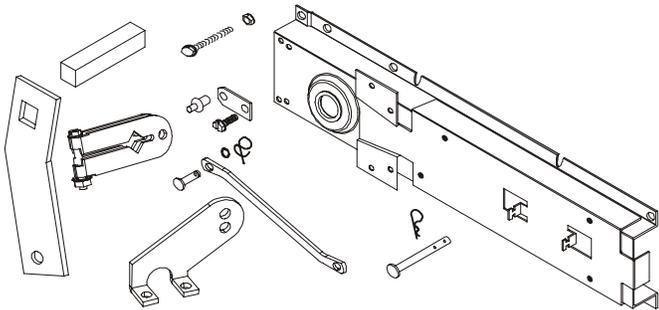
DMPR-KC252 attaches a blade pin extension to an old-style damper where the blade pin does not have a slot to accommodate the clip.

DMPR-KC253 Bronze Bearing



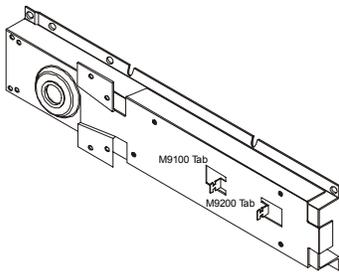
DMPR-KC253 is a replacement bearing for externally mounted electric actuators on smoke dampers (DMPR-KS103).

DMPR-KC254 M9000 Inside Frame Mounting Kit



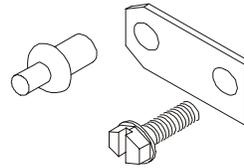
DMPR-KC254 kit is used to mount an M9108, M9116, M9124, or M9216 actuator to a Johnson Controls damper inside the airstream.

DMPR-KC255 M9000 Inside Frame Mounting Bracket



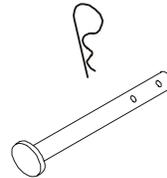
DMPR-KC255 is used to mount an M9000 series actuator to a CD-1300 damper inside the airstream.

DMPR-KC256 Reinforcement Link Kit



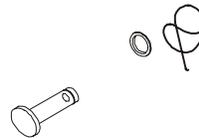
DMPR-KC256 is used to mount an M-9000 series actuator to a DMPR-KC255.

DMPR-KC257 Actuator Pin Kit



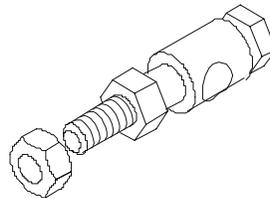
DMPR-KC257 is used to mount an M-9000 series actuator to a DMPR-KC255.

DMPR-KC258 Linkage Pin Kit



DMPR-KC258 is used to mount an M-9000 series actuator to a DMPR-KC255.

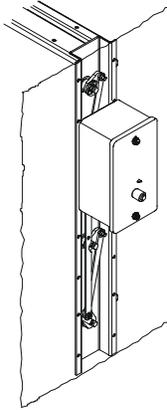
DMPR-KC300 Swivel Ball Joint



DMPR-KC300 provides a connection between the blade arm, crank arm, etc. and the linkage rod. Each kit includes ten swivel ball joints.

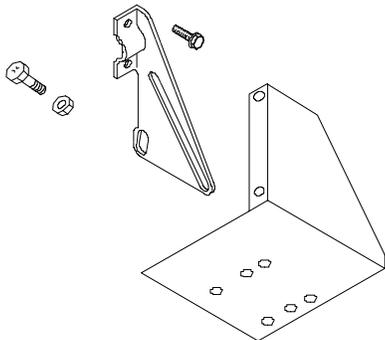
SD-1300 Smoke Dampers

DMPR-KS001 Blade Position Indicator



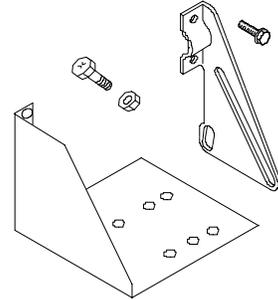
This 400°F-rated switch kit senses the open and closed position of the smoke damper blade and provides a feedback signal to a controller.

DMPR-KS101 Conversion Kit



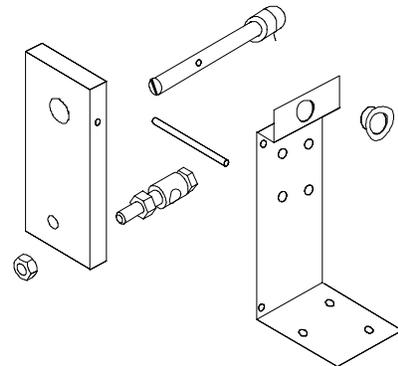
DMPR-KS101 provides the parts required to convert a smoke damper with an external factory-installed electric actuator to an internally mounted actuator on the right side.

DMPR-KS102 Conversion Kit



DMPR-KS102 provides the parts required to convert a smoke damper with an external factory-installed electric actuator to an internally mounted actuator on the left side.

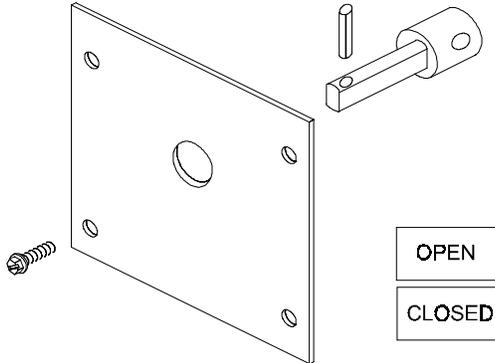
DMPR-KS103 Conversion Kit



DMPR-KS103 provides the parts required to convert a smoke damper with an internal factory-installed electric actuator to an externally mounted actuator on either side.

FD-1300 Fire Dampers

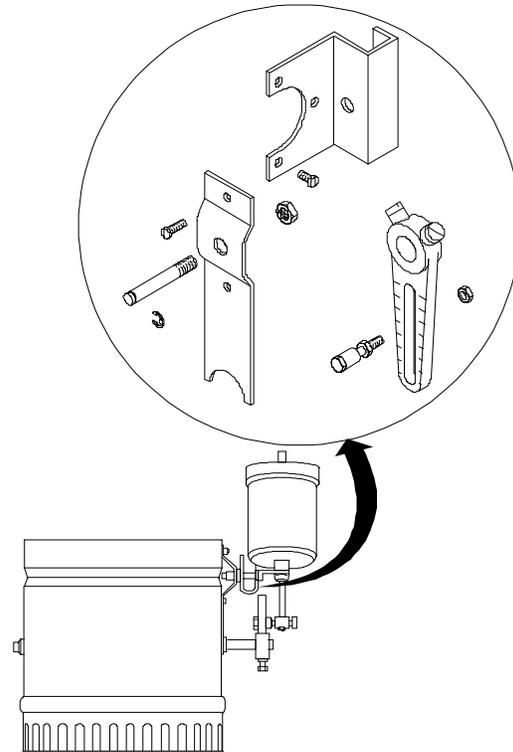
DMPR-KF001 Blade Position Indicator



DMPR-KF001 provides a visual indication of the FD-1300 fire damper blade position.

RD-2000 Round Dampers

DMPR-KR001 for D-3062 Actuator Mounting to Round Damper



DMPR-KR001 adapts a D-3062 actuator for installation on a 9 to 16 inch (229 to 406 mm) RD-2000 round damper.

DMPR-KR002 and DMPR-KR003 Extension Pins for Round Damper

DMPR-KR002 is a 1/2 inch diameter, 1-1/2-inch-long extension pin.

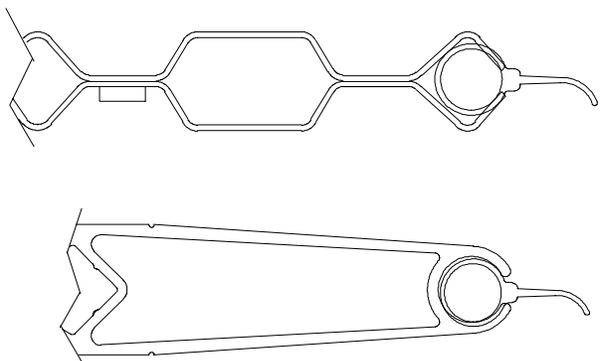
DMPR-KR003 is a 1/2 inch diameter, 2-3/4-inch-long extension pin.

Replacement Parts

CD-1300 Control Dampers

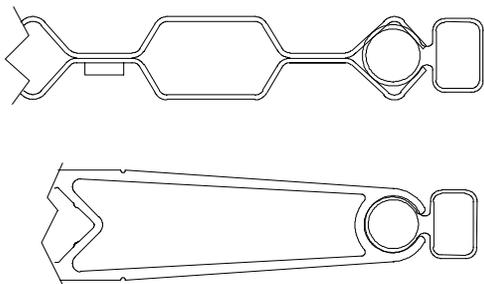
IMPORTANT: The length of all blade seals shipped from the factory will fit a 48-inch-wide panel.

DMPR-RC001 - Blade Seal, Standard Temp.;
DMPR-RC052 - Blade Seal, High Temp.



DMPR-RC001 and DMPR-RC052 are used with double-piece and airfoil blades in parallel operation.

DMPR-RC002 - Blade Seal, Standard Temp.;
DMPR-RC051 - Blade Seal, High Temp.



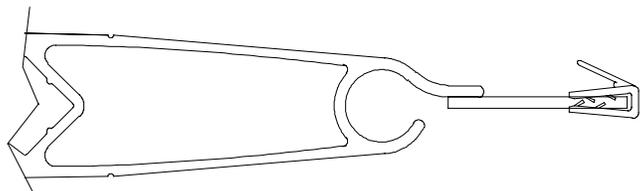
DMPR-RC002 and DMPR-RC051 are used with double-piece and airfoil blades in opposed operation.

DMPR-RC003 - Blade Seal, Standard Temp.



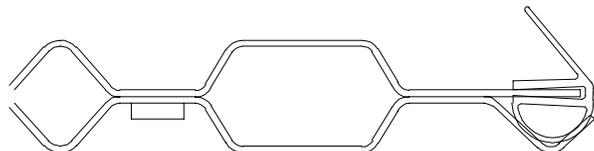
DMPR-RC003 is used with 16-gauge blades manufactured before date code 0696, in parallel and opposed operation.

DMPR-RC004 - Blade Seal, Standard Temp.



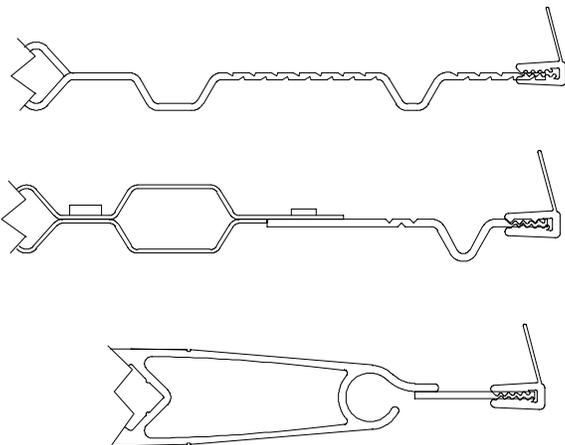
DMPR-RC004 is used with airfoil blades with extension piece.

DMPR-RC005 - Blade Seal, Standard Temp.;
DMPR-RC053 - Blade Seal, High Temp.



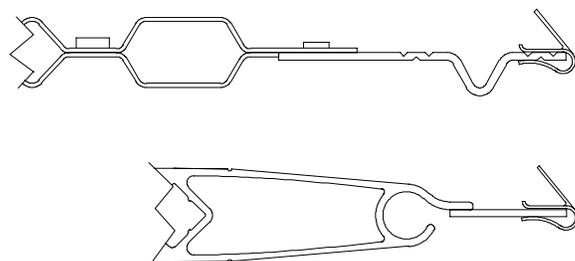
DMPR-RC005 and DMPR-RC053 are used with a double-piece blade for the top and bottom.

DMPR-RC006 - Blade Seal, Standard Temp.



DMPR-RC006 is used with double-piece and airfoil blades, top and bottom with extensions, and all 16-gauge blades manufactured after date code 0696, in parallel and opposed operation.

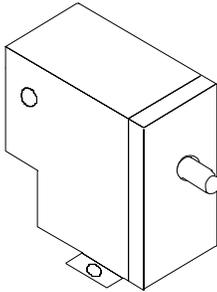
DMPR-RC054 - Blade Seal, High Temp.



DMPR-RC054 is used with double-piece and airfoil blades with extensions for top and bottom blades.

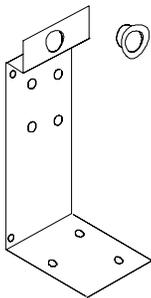
Life Safety Dampers

DMPR-RS0xx High Temperature Electric Actuator



- DMPR-RS001 is a replacement 16 lb-in, 24 VAC electric actuator used on smoke dampers.
- DMPR-RS002 is a replacement 16 lb-in, 24 VAC electric actuator with switch used on smoke dampers.
- DMPR-RS003 is a replacement 16 lb-in, 120 VAC electric actuator used on smoke dampers.
- DMPR-RS004 is a replacement 16 lb-in, 120 VAC electric actuator with switch used on smoke dampers.
- DMPR-RS005 is a replacement 60 lb-in, 24 VAC electric actuator used on smoke dampers.
- DMPR-RS006 is a replacement 60 lb-in, 24 VAC electric actuator with switch used on smoke dampers.
- DMPR-RS007 is a replacement 60 lb-in, 120 VAC electric actuator used on smoke dampers.
- DMPR-RS008 is a replacement 60 lb-in, 120 VAC electric actuator with switch used on smoke dampers.

DMPR-RS101 Electric Actuator Bracket, External



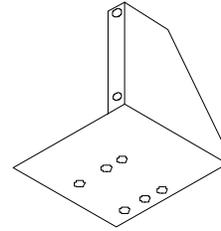
DMPR-RS101 is a replacement mounting bracket for smoke dampers with externally mounted electric actuators.

The performance specifications are nominal and conform to acceptable industry standards. Johnson Controls, Inc. shall not be liable for damages resulting from misapplication or misuse of its products.

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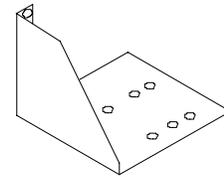
Controls Group
507 E. Michigan Street
P.O. Box 423
Milwaukee, WI 53201

DMPR-RS102 Electric Actuator Bracket, Internal Right



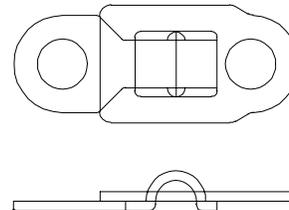
DMPR-RS102 is a replacement mounting bracket for smoke dampers with internally mounted electric actuators on the right side.

DMPR-RS103 Electric Actuator Bracket, Internal Left



DMPR-RS103 is a replacement mounting bracket for smoke dampers with internally mounted electric actuators on the left side.

DMPR-RS20x Fusible Link



DMPR-RS201 is a 165°F fusible link used on fire dampers with part number FOVLN.

DMPR-RS202 is a 212°F fusible link used on fire dampers with part number FOVHN.



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