

# POTTORFF®

## Remote Powered Balancing Damper Model RD-10 Series

- Maintenance free
- Easy to install
- Requires no permanent power source



The RD-10 Series damper is ideally suited for hard ceiling applications or any situation where access to manually adjust the damper is difficult.

Optional RC-9V  
handheld  
remote controller



The RD-10 Series remote powered balancing damper employs a single blade and a 9VDC actuator for handheld remote air control and balancing.

# POTTORFF®

Visit [www.pottorff.com](http://www.pottorff.com) for more details about this model.

### RD-10 Application

RD-10 remote powered balancing dampers employ a single blade and a 9VDC actuator for handheld remote air control and balancing. The RD-10 is maintenance free, easy to install, and requires no permanent power source. It is ideally suited for hard ceiling applications or any situation where access to manually adjust the damper is difficult.

### Ratings

**Maximum System Velocity:** 1500 fpm (7.7 m/s)

**Maximum System Pressure:** 1 in. wg (0.25 kPa)

**Temperature:** -25°F to 180°F (-32°C to +83°C)

### Standard Construction

**Frame:** 2" x 22 ga. (51 x 0.85) galvanized steel.

**Blades:** 22 ga. (0.85) galvanized steel.

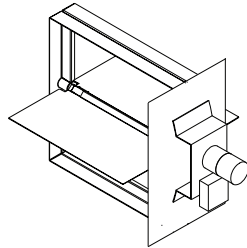
**Axles:** 3/8" (10) square plated steel.

**Bearings:** Synthetic

**Minimum Size:** 6" x 4" (152 x 102)

**Maximum Size:** 36" x 12" (914 x 305)

**Operator:** 9 volt DC actuator with RJ-11 6P4C connection, powered by optional RC-9V handheld remote damper controller.



### Options

RC-9V handheld remote damper controller (one required per job), includes 9 volt battery and 5 foot of cable.

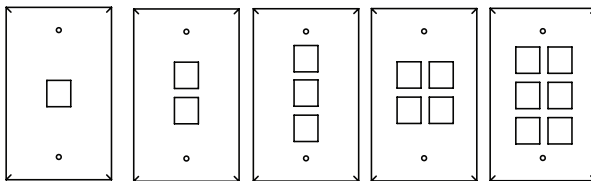
Wall mount plate.

Ports:  1 (standard)  2  3  4  6

Single gang wall box.  20 (1.0) gauge construction.

RJ-11 cable x 20 foot long (available up to 1000 feet), male connector at one end and female connector at the other end.

Type:  Non-Rated (standard)  Plenum Rated



Wall Plate with Ports

### RD-10R Application

RD-10R remote powered balancing dampers employ a single round blade and a 9VDC actuator for handheld remote air control and balancing. The RD-10R is maintenance free, easy to install, and requires no permanent power source. It is ideally suited for hard ceiling applications or any situation where access to manually adjust the damper is difficult.

### Ratings

**Maximum System Velocity:** 2000 fpm (10.2 m/s)

**Maximum System Pressure:** 1 in. wg (0.25 kPa)

**Temperature:** 0°F to 165°F (-18°C to +73°C)

### Standard Construction

**Frame:** 6" x 22 ga. (152 x 0.85) galvanized steel.

**Blades:** 22 ga. (0.85) galvanized steel.

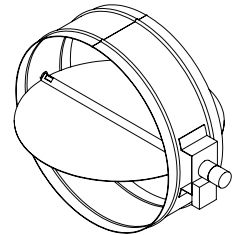
**Axles:** 3/8" (10) square plated steel.

**Bearings:** Synthetic

**Minimum Size:** 4" Ø (102 Ø)

**Maximum Size:** 24" Ø (610 Ø)

**Operator:** 9 volt DC actuator with RJ-11 6P4C connection, powered by optional RC-9V handheld remote damper controller.



### Options

RC-9V handheld remote damper controller (one required per job), includes 9 volt battery and 5 foot of cable.

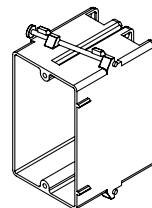
Wall mount plate.

Ports:  1 (standard)  2  3  4  6

Single gang wall box.  20 gauge construction.

RJ-11 cable x 20 foot long (available up to 1000 feet), male connector at one end and female connector at the other end.

Type:  Non-Rated (standard)  Plenum Rated



Single Gang Wall Box



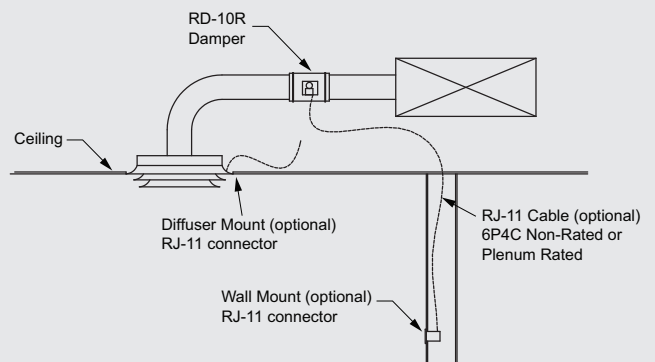
RC-9V Handheld Remote

### Operation

Plug in the RC-9V to either the diffuser or wall mount RJ-11 connection (or directly to the RD-10 Series actuator) and press the RC-9V rocker switch to power the damper and adjust the blade to achieve the desired airflow. When proper airflow is achieved, disconnect the RC-9V cable and proceed to the next damper.

Damper blade rotation is easily reversed by toggling the RC-9V switch between the Forward and Reverse positions.

The RD-10 Series will rotate 90° in approximately 20 seconds with a fresh battery.



\*Damper dimensions furnished approximately 1/8" (3) undersize. Information is subject to change without notice or obligation.

**NOTE:** Dimensions in parentheses ( ) are millimeters.