

# ULTRA-ZONE™

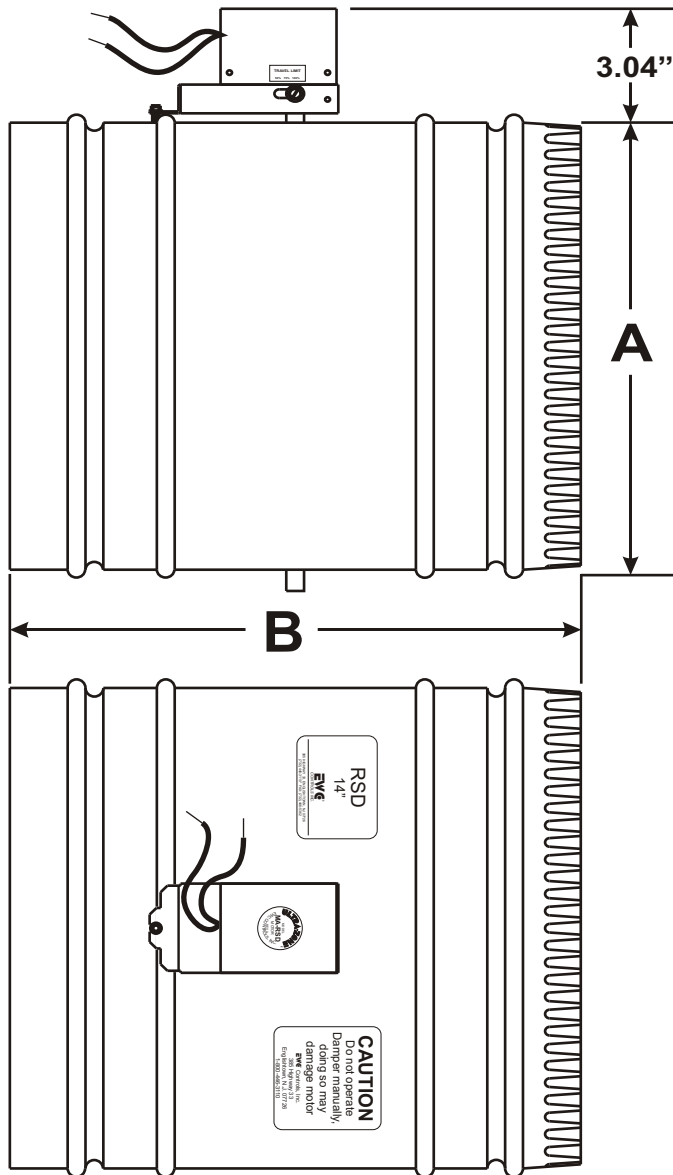
Forced Air Zone Controls

## SUBMITTAL SHEET

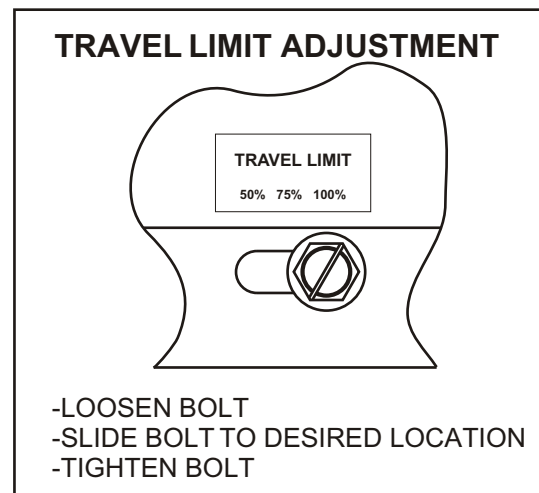
### Model RSD

### Round Spring-Return Damper

Model RSD is a round single blade damper constructed from heavy (24) gauge galvanized steel. The 24 volt motor actuator is direct coupled to the drive shaft. It is a power closed/spring open action. (standard). The damper can be field reversed to a power open/spring closed action. The RSD has a double layered blade design with an integrated Poron® foam gasket to provide a seal when the damper is in the closed position. The RSD also has a Travel Limiter to prevent the damper from closing 100% if your application requires. Note: 18" and 20" RSD models utilize a Belimo TF series actuator for increased reliability. The hysteresis motor can get very warm when energized/stalled for extended time periods. To avoid overheating, **DO NOT** cover/encapsulate or insulate the motor housing. Doing so will damage the actuator assembly. Go to <https://ewcccontrols.com/warranty/> to register your warranty.

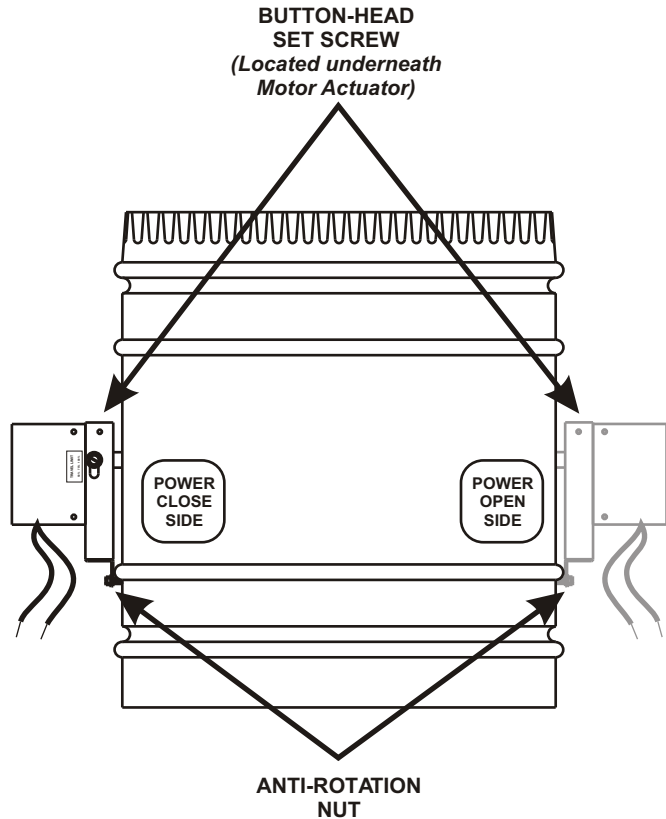


DIMENSIONS		
MODEL #	A	B
RSD-4	4.0"	12.00"
RSD-5	5.0"	12.00"
RSD-6	6.0"	12.00"
RSD-8	8.0"	12.00"
RSD-10	10.0"	12.00"
RSD-12	12.0"	14.00"
RSD-14	14.0"	16.00"
RSD-16	16.0"	20.00"
RSD-18	18.0"	20.00"
RSD-20	20.0"	20.00"



#### To Field Reverse Motor:

- 1) Remove Button Head screw securing the Motor shaft to the Damper blade shaft.
- 2) Remove Anti-Rotation Nut on bottom of Motor Actuator.
- 3) Remove Motor Actuator from damper.
- 4) Rotate damper blade 90°
- 5) Mount motor onto damper blade shaft 180° opposite of original location.
- 6) Re-insert Anti-Rotation nut and Button Head screw and tighten.
- 7) Wire & Power up motor to insure correct positioning of damper blade.

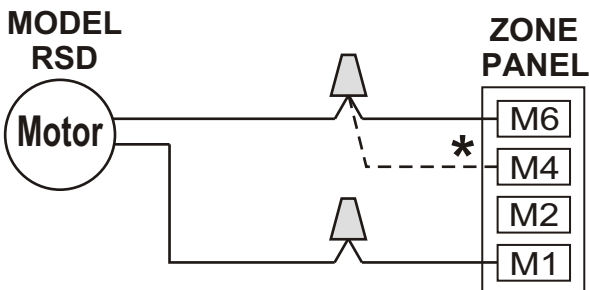


## WIRING SOLUTIONS

### MOTOR Terminal Output

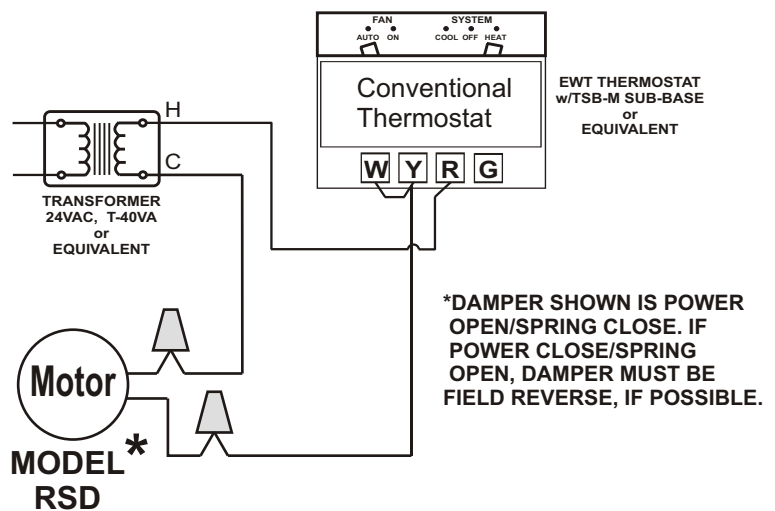
- M6 - power to close**
- M4 - power to open**
- M2 - constant power**
- M1 - common**

#### Wiring to a Control Panel



\*DAMPER SHOWN AS POWER CLOSE/SPRING OPEN  
IF FIELD CONFIGURED AS POWER OPEN/SPRING CLOSE  
WIRE TO M4 TERMINAL.

### Wiring a Thermostat to Control a Single Damper



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