

ROUND ZONE DAMPERS

PRODUCT DESCRIPTION

Robertshaw motorized round zone dampers are just what you need for low-pressure zone control systems, and they enhance airflow in any duct system. Our dampers are designed for light commercial and residential applications with static pressure systems not exceeding 1.2" WG. All round zone dampers are constructed of rolled galvanized steel with stiffening ribs to maintain rigidity. A single steel offset blade is attached to a 1-piece steel shaft connected with nylon bearings for smooth operation. They are powered by a single stall-type motor with 55 to 75 inch-ounces of torque.

Dampers can be wired with 2-wire or 3-wire actuators. The 2-wire actuators are spring return with a normally closed or normally open configuration. The 3-wire actuators are power open-power close in a normally open configuration. The motor has a "lost motion" braking system that prevents backlash and shock to the motor gears, bearings and blade shaft when the damper is driven open by the spring return.



FEATURES AND BENEFITS

- Lightweight for easy installation
- Stiffening ribs maintain rigidity
- Nylon bushings provide smooth operation and eliminate blade slippage
- Motor mount welded to shell for added sturdiness
- One piece solid steel shaft eliminates binding
- External minimum position adjust for easy accessibility
- External damper blade position indication
- Anti-backlash braking system prevents shock to system
- Single stall-type motor doesn't require switches

Robertshaw[®]

INTEGRATED COMFORT SOLUTIONS™

Robertshaw® Zone Control Systems

ROBERTSHAW PANELS

- Classic panel: up to 2 zones 2701-006
up to 3 zones 2701-001
- Deluxe panel: up to 7 zones 2701-002
- Premier panel: up to 19 zones 2702-001

ROBERTSHAW DAMPERS

- Rectangular motorized zone dampers
- Round motorized zone dampers
- Bypass non-electric zone dampers

ROBERTSHAW THERMOSTATS

- Programmable thermostats
- Digital non-programmable thermostats
- Mechanical thermostats

ITEM	Round Damper
POWER REQUIREMENTS	24 VAC actuator
AMBIENT RATINGS	0°F to 120°F (-17°C to 49°C)
LEAKAGE	Low leakage damper
STATIC PRESSURE RATING	1.2" WG
DIMENSIONS	Round: 5", 6", 7", 8", 10", 12", 14", 16", 18", 20" (NC up to 14") (13 cm, 15 cm, 18 cm, 20 cm, 25 cm, 31 cm, 36 cm, 41 cm, 46 cm, 51 cm) Length: Diameter +3/4" wide 26-gauge galvanized steel
WEIGHT	2.7 lb. to 15 lb. (1.2 kg to 6.8 kg)
WIRING	#18 gauge thermostat wire
ACTUATORS	• 2-wire, 2 position, spring return (55 in-oz) • 3-wire, 2 position, power open-power closed (150 in-oz)
SHELL	26-gauge galvanized steel
BLADE	18-gauge galvanized steel
AXLE	3/8" diameter steel shaft
BEARINGS	Nylon

Ordering Information

ORDER NUMBER	Ex. DAR-06E
TYPE	Round Damper
SIZE	06 (05" to 20")
ACTUATOR TYPE	• E2 (2-wire control) • E3 (3-wire control)
FAIL SAFE	• Blank (normally open) • NC (normally closed)

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