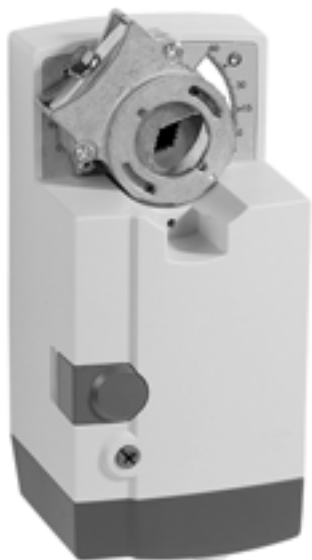


Direct Coupled Damper Actuators—Non-Spring Return

N34 Series: MN6134; MN7234

Non-Spring Return Direct Coupled Actuator, 300 lb-in



The MN7234 is a 300 lb-in (34Nm), non-spring return, direct-coupled, low voltage actuator that accepts adjustable modulating (0/2-10 Vdc) control for: air dampers, air handling units, ventilation flaps, louvers, and ball valves.

- Control for air damper applications with up to 85 sq ft assuming 3.5 in-b per sq ft of damper area, velocity independent
- Patented self-centering shaft adapter
- Access cover to facilitate connectivity
- Declutch for manual adjustment
- Mechanical end limits
- Field-installable auxiliary switches
- Rotation direction selectable by switch
- Mountable in any orientation (no IP54 if upside down)
- Mechanical position indicator
- CE approved. UL approved

Actuator Type: Damper; Valve

Rotational Stroke: 95 ±3 degrees

Fail Safe Mode: Non-Spring Return

Torque Rating: 300 lb-in. (34 Nm)

Dimensions, Approximate: 8.78 in high x 3.62 in wide x 3.15 in deep
(223 mm high x 92 mm wide x 80 mm deep)

External Auxiliary Switches Available: Yes, SW2-US

Number of Internal Auxiliary Switch: 0

Electrical Connections: Enclosed screw terminal strip (22 to 14 AWG)

Environmental Rating: NEMA2

Frequency: 50 Hz; 60 Hz

Manual operation: Declutch mechanism

Mounting: Direct Coupled

Maximum Noise Rating, Driving (dBA @ 1m): 40

Rotation to Open: By switch

Compatible Damper Shafts: 3/8 to 1.06 in. round or 3/8 to 11/16 in. square (10 to 27 mm round or 10 to 18 mm square)

Shaft Adapter Type: Self-centering clamping

Supply Voltage: 24 Vac ±15%, 24 Vdc

Materials: Plenum rated plastic housing

Operating Humidity Range (% RH): 5 to 95% RH, non-condensing

Ambient Temperature Range: -5 F to +140 F (-20 C to +60 C)

Storage Temperature Range: -40 F to +175 F (-40 C to +80 C)

Weight: 3.2 lb (1.45 kg)

Includes: Mounting bracket, self-centering shaft adapter

Comments: Integral 1/2 in. NPSM conduit connection

Approvals

CE

89/336/ECC, 73/23/EEC

C-Tick: N314

Underwriters Laboratories, Inc: UL873, Plenum Rated

Canadian Underwriters Laboratories, Inc: cUL C22.2 No. 24-93

	Product Number	Control Signal	Feedback	Timing (seconds) Nominal Driving @ 60 Hz	Power Consumption, Driving	Input Impedance
*	MN6134A1003	On/Off; SPDT; Floating	—	95 sec	9 VA, 9 W	—
*	MN7234A2008	(0)2-10 Vdc (4-20 mA w/500 ohm resistor)	(0)2-10 Vdc (max. output: ±1.0 mA)	95 sec	8 VA, 6 W	100K ohm (voltage), 500 ohm (current)
* TRADELINE models • SUPER TRADELINE models						