



MD40B-24

G-30-71

On/Off or 3-point 24 V AC  
Damper Actuator 40 Nm (360 in-lb)

6 February 2006

MD40B damper actuators for operating air control dampers in ventilation and air-conditioning systems for building services installations

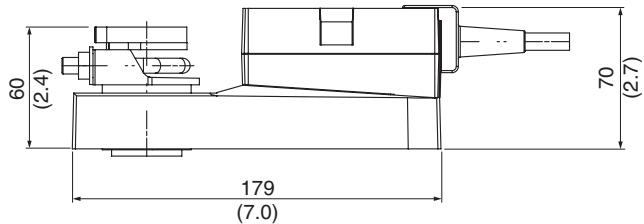
- For air control dampers up to approx. 8 m<sup>2</sup> (9.6 yard<sup>2</sup>)
- Torque 40 Nm (360 in-lb)
- Nominal voltage AC/DC 24 V
- Control: On/Off or 3-point



## TECHNICAL SPECIFICATION

Part number ..... 875-1035-000

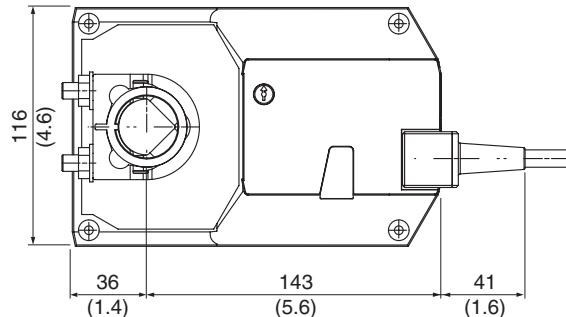
Dimensions in mm (inches)

Power supply ..... 24 V AC ±20%, 50–60 Hz,  
24 V DC ±20%**Power consumption:**

In operation ..... 4 W @ nominal torque

At rest ..... 2 W

For wire sizing ..... 6 VA

Connection cable ..... 1 m (3.3 ft), 3×0.75 mm<sup>2</sup> (AWG 18)Angle of rotation ..... max. 95°  
(adjustable by mechanical stops)

Torque ..... min. 40 Nm (360 in-lb) @ nominal voltage

Running time ..... 150 s

Direction of rotation ..... Reversible with switch

Position indication ..... mechanical

**Standards conformity:**

EMC, emission ..... SS EN 50081-1

EMC, immunity ..... SS EN 50082-1

Protection class ..... III Safety extra-low voltage

Enclosure rating ..... IP 54

Ambient humidity ..... 95% r.H (EN 60730-1)

**Ambient temperature:**

Operation ..... -30 to +50 °C (-22 to +122 °F)

Storage ..... -40 to +80 °C (-40 to +176 °F)

Sound power level ..... max. 45 dB (A)

Maintenance ..... Maintenance-free

Weight ..... Approx 1.7 kg (3.8 lb.)

Damper spindle	Length mm (in.)	O I ◇ mm (in.)
Clamp on top	min. 42 (1.65)	14 ... 26 (0.55 ... 1.02)
Clamp on bottom	min. 20 (0.78)	14 ... 26 (0.55 ... 1.02)

## FUNCTION

### Simple direct mounting

Simple direct mounting on the damper spindle with a universal spindle clamp, supplied with an anti-rotation strap to prevent the actuator from rotating.

### Manual override

Manual operation is possible with the self-resetting pushbutton (the gearing latch remains disengaged as long as the pushbutton is pressed or detented).

### Adjustable angle of rotation

Adjustable angle of rotation with mechanical end stops.

### High functional reliability

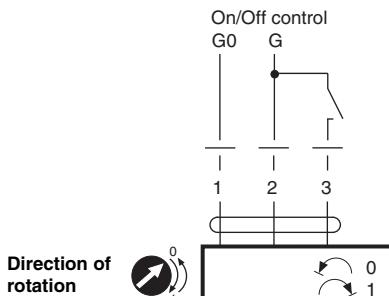
The actuator is overload-proof, requires no limit switches and automatically stops when the end stop is reached.

## WIRING

MD40B-24

### Note

- Connection via safety isolating transformer.
- Other actuators can be connected in parallel.  
Please note the performance data.



## ACCESSORIES

Please refer to data sheet G-30-90  
“Accessories Damper Actuators”  
(part.no. 0-003-2251).

## SAFETY NOTES



- The damper actuator is not allowed to be used outside the specified field of application, especially in aircraft.
- The device may only be opened at the manufacturer's site. It does not contain any parts that can be replaced or repaired by the user.
- The cable must not be removed from the device.
- When calculating the required torque, the specifications supplied by the damper manufacturers (cross section, design, installation site), and the air flow conditions must be observed.
- The device contains electrical and electronic components and is not allowed to be disposed of as household refuse. All locally valid regulations and requirements must be observed.

