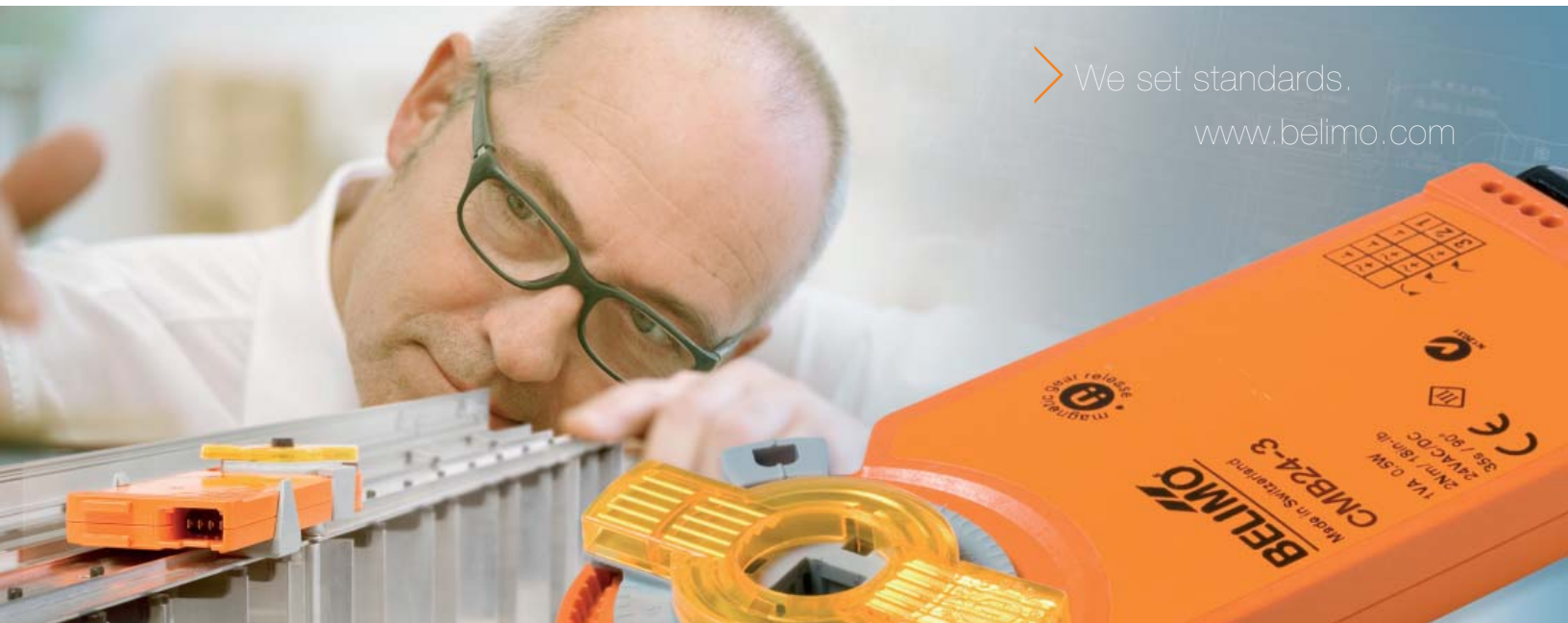


# CM damper actuator. Perfection for limited space.



> We set standards.  
[www.belimo.com](http://www.belimo.com)

Compact and flat,  
like no other.

The CM actuator measuring 0.63" in height fits in the smallest of spaces. Designed for new construction, retrofit, residential and OEM markets, this compact unit is beneficial addition to existing actuator market.

The CM includes a universal clamp, a simple one screw anti-rotational bracket and easily adjustable end stops. For continuous rotation remove the end stops. The rugged brushless DC motor is protected electronically from burnout, vibration and stall throughout the stroke which guarantees long working life. Quick and easy mounting completes the features the CM offers.

#### *Well thought-out in every respect*

The installation of direct coupled actuators in air ducts and exhaust vents is often problematic due to the compact arrangement of the equipment. For this reason, Belimo has created a completely new size of actuator. The CM continues Belimo excellence in every respect: Extremely slender, it can be easily installed in areas too narrow for others. New universal mounting bracket allows for amazingly fast installation. Sealed housing prevents contamination to the inside gear. Manual override is magnetic.

#### *Bright prospects*

The CM actuators have a torque of 18 in-lb (2 Nm) and are available as on-off, floating point as well as modulating control types. The angle of rotation can be freely selected from 0 to 315°. If continuous rotation is required, remove the end stops. The CM provides maximum application flexibility and offers new business opportunities for air distribution/damper manufacturers and service companies. With customized labeling and gray housing color available new and replacement part business can be operated in your own name – backed up by Belimo service and quality.



Actual Size

Protection **NEMA 2**  
& **IP54**

**BELIMO**<sup>®</sup>


# CM damper actuator. Where it's too cramped for all others.



Air Outlets



Air Control Dampers

Product Range / Technical Data												
	Function / Nominal Voltage						Version					
	Torque in-lbs [Nm]	Running Time s/90°	On/Off, Floating Point	Modulating 2...10 V	24 V	120-240 V	Terminal connection	Cable Connection	Clamp	Positive Fit (6 x 6, 8 x 8, 10 x 10)	Housing Color, Orange	Housing Color, Grey
<b>Rotary Actuators 90°</b>												
CMB24-3	18 [2]	35	•	-	•	-	-	•	•	•	•	•
CMB24-3-T	18 [2]	35	•	-	•	-	•	-	•	•	•	•
CMB120-3	18 [2]	35	•	-	-	•	-	•	•	•	•	•
CMB24-SR-L (2-10V CW)*	18 [2]	35	-	•	•	-	•	•	•	•	•	•
CMB24-SR-R (10-2 CCW)*	18 [2]	35	-	•	•	-	•	•	•	•	•	•

\*Available 3rd quarter of 2007

### Technical Specifications:

- Dimensions L/W/H: 5.83"/2.18"/0.63" (0.94" height with the position indicator)
- Running time 35 seconds for 90°
- Noise rating <45 dB (A)
- Angle of rotation adjustable between 0 to 315° with end stop(s)
- Angle of rotation without end stops: limitless
- Protection: NEMA 2 & IP54 with cable
- Protection: NEMA 1 & IP20 with terminal block
- Manual override: magnetic (magnet available in the position indicator)
- Newly developed universal mounting bracket for quick installation
- Customize labeling and gray housing available for OEMs
- Customize running time between 35 to 75 seconds for 90° available for OEMs



Belimo worldwide: [www.belimo.com](http://www.belimo.com)

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