

## **Technical data sheet**

## CMB24-SR-L

Basic Non Fail-Safe modulating actuator for controlling dampers in typical commercial HVAC applications.

- Torque motor 18 in-lb [2 Nm]
- Nominal voltage AC/DC 24 V
- Control Modulating
- Position feedback 2...10 V





## Technical data

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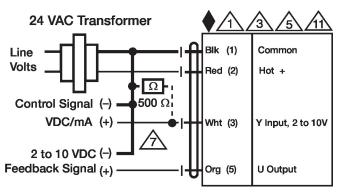
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Materials	Housing material	UL94-5VA	
Footnotes	†Rated Impulse Voltage 800V, Type of Action 1, Control Pollution Degree 2.		
Product features			
Application	Damper actuator for operating air control dampers in ventilation and air-conditioning systems for building services installations. • For air control dampers up to approximately 4.5 sq ft • Torque 18 in-lb [2 Nm] • Nominal voltage AC/DC 24 V • Control: 210 V		
	• Running time 35 s @ 90°		
Operation		damper spindle with a universal spindle clamp or form fit, racket to prevent the actuator from rotating.	
	Manual operation is possible w the magnet is in place).	ith a magnet (the gearing latch remains disengaged as long as	
	Adjustable angle of rotation wit remove.	h mechanical end stops, that requires no tools to move or	
	The actuator is overload-proof, stops is reached.	requires no limit switches and automatically stops when the end	
	Application Specific Integrated	r uses a brushless DC motor, which is controlled by an Circuit (ASIC). The ASIC monitors and controls the actuator's to prevent damage to the actuator in a stall condition. Power ling mode.	
	electromagnets housed inside i switched by the an ASIC develo	ushless DC motor spins by reversing the poles of stationary rotational permanent magnets. The electromagnetic poles are ped by Belimo. Unlike the conventional DC motor, there are no rs to foul. This means the brushless DC motor adds accuracy and a holding mode.	
Typical specification	crank arm and linkage and be of Actuators must provide proport addition of a $500\Omega$ resistor, a 4 positioner. Actuators shall have at all angles of rotation. Actuator constant and independent of to	tuators shall be electronic direct-coupled type, which require no apable of direct mounting to a shaft from 1/4" to 1/2" diameter. tional damper control response to a 2 to 10 VDC or, with the to 20 mA control input from an electronic controller or brushless DC motor technology and be protected from overload ors shall have manual override on the cover. Run time shall be orque. Actuators shall be cULus listed, have a 5-year warranty, D 9001 International Quality Control Standards. Actuators shall	
Electrical installation			
	Dura della scratta di constructi		
Actuators may also be powered by DC 24 V.			
<u>/3</u>	<b>C</b> Actuators may also be powered		

A 500 Ω resistor (ZG-R01) converts the 4...20 mA control signal to 2...10 V.
A ctuators may be connected in parallel if not mechanically linked. Power consumption and input impedance must be observed.





2...10 V / 4...20 mA Control

## Dimensions

