DAMPER / VALVE MOTORS MODULATING 4Nm

EK4-24M

These small motors can be fitted directly onto air damper shafts as used in HVAC systems. They are also suitable for use on control valves. The rotary operation modulates according to the 0-10vdc signal in order to open and close dampers, valves etc.



The motor stops automatically when the end positions are reached.

Up to 5 motors can be wired in parallel.

Max. ambient -20/+50°C

Max angle of rotation 90°

Adjustable angle of rotation limiter 0-30° & 90-60°

Reversible position indication 0-10, 10-0

Noise level 40dB Manual Override

Supply: 24VAC/DC±15%

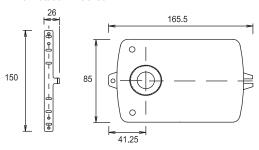
Enclosure Flammability = UL94-V0

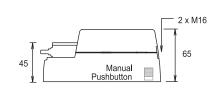
Туре	Supply 50/60Hz	Input	Run Time Approx	Torque	Damper Area Approx	Consumption VA	Enclosure
EK4-24M	24VAC/DC	0-10vdc	35s	4Nm	1m²	3.5	IP44

DIMENSIONS

Anti-Rotation Bracket

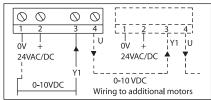
DIRECT MOUNTING: Shaft size - Round 6-16mm





WIRING:

EK4-24M



Manual Positioner PAF

24VAC/DC 0 - 10 VDC

PAF for minimum positioning PAF 0 0 0 0 0 10 VDC 24VAC/DC FROM 24VAC/DC CONTROL 0 - 10 VDC

0 - 10 VDC

INPUT RESISTANCE Y1 > 100KΩ

LOAD RESISTANCE $U > 50K\Omega$

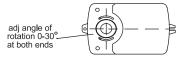
ON POWER CUT THE MOTOR STOPS. IF THE INPUT SIGNAL IS CUT, THE MOTOR RETURNS TO OVDC POSITION Terminals 0.5-2.5mm²

Min sensor cable size 7/0.2mm Max length 100m. Screened cable is recommended. The screen should be earthed at controller end only Keep sensor wires away from power cables/units which may cause interference.

SETTING:

Direction of Rotation

Angle of Rotation

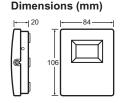


ACCESSORIES:

CE

PAF Digital Positioner 0-100% Wall Mounting







Supply 24VAC/DC 0-10VDC Output (0-100%)

Output 0-10vdc or 2-10vdc selectable

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Steps 1%

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