DAMPER / VALVE MOTORS
2 & 3 POINT

E08.. E16.. E24.. E32..

These motors can be fitted directly on to air damper shafts or remotely using linkage accessories in HVAC systems. They are also suitable for use on control valves. The rotary operation can be used to open and close dampers, valves etc.

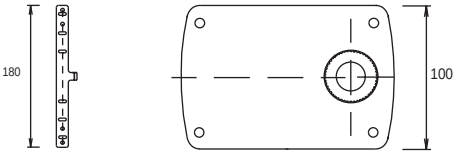
E08.. E16.. E24.. E32..

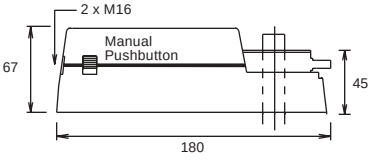
Up to 10 motors can be wired in parallel.
Max. ambient -20/+50°C
The motor stops automatically when the end positions are reached.
Angle of rotation 0-90° adjustable
Reversible position indication 0-10, 10-0
Noise level 45dB Manual Override
Supply : 24VAC ±20% 24VDC ±10% 230VAC ±10%
24V=6.5VA 230V=6VA
Enclosure Flammability = UL94-V0

***FOR WEATHERPROOF ENCLOSURES SEE SEPARATE DATA SHEET.**

Type	Supply 50/60Hz	Operation	Aux Switch 230VAC	Run Time Approx	Torque	Damper Area Approx	*Enclosure
E08-24	24VAC/DC	2 & 3 Point	--	30s	8Nm	2m²	IP44
E08-24S	24VAC/DC	2 & 3 Point	2 x 3(1.5)A	30s	8Nm	2m²	IP44
E08-230	230VAC	2 & 3 Point	--	30s	8Nm	2m²	IP44
E08-230S	230VAC	2 & 3 Point	2 x 3(1.5)A	30s	8Nm	2m²	IP44
E16-24	24VAC/DC	2 & 3 Point	--	80s	16Nm	4m²	IP44
E16-24S	24VAC/DC	2 & 3 Point	2 x 3(1.5)A	80s	16Nm	4m²	IP44
E16-230	230VAC	2 & 3 Point	--	80s	16Nm	4m²	IP44
E16-230S	230VAC	2 & 3 Point	2 x 3(1.5)A	80s	16Nm	4m²	IP44
E24-24	24VAC/DC	2 & 3 Point	--	125s	24Nm	6m²	IP44
E24-24S	24VAC/DC	2 & 3 Point	2 x 3(1.5)A	125s	24Nm	6m²	IP44
E24-230	230VAC	2 & 3 Point	--	125s	24Nm	6m²	IP44
E24-230S	230VAC	2 & 3 Point	2 x 3(1.5)A	125s	24Nm	6m²	IP44
E32-24	24VAC/DC	2 & 3 Point	--	140s	32Nm	8m²	IP44
E32-24S	24VAC/DC	2 & 3 Point	2 x 3(1.5)A	140s	32Nm	8m²	IP44
E32-230	230VAC	2 & 3 Point	--	140s	32Nm	8m²	IP44
E32-230S	230VAC	2 & 3 Point	2 x 3(1.5)A	140s	32Nm	8m²	IP44

DIMENSIONS: Anti Rotation Bracket DIRECT MOUNTING : Shaft size - Round 10-20mm Square 10-16mm

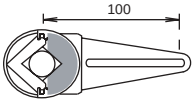




M16 male to M20 female conduit adapter included.

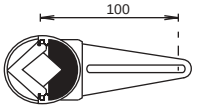
ACCESSORIES:

ZKH



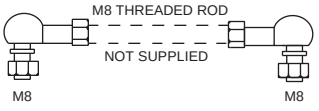
Motor Crank Arm

ZKA



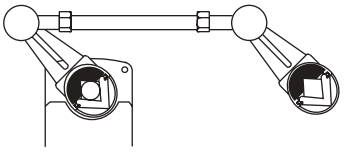
Damper Crank Arm

ZKG



Ball Joint

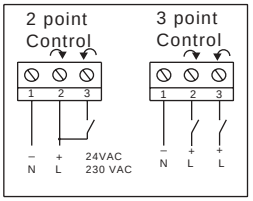
REMOTE MOUNTING

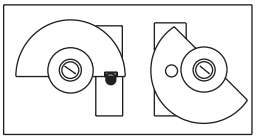


REQUIRES : 2 x ZKG 1 x ZKH 1 x ZKA

WIRING:

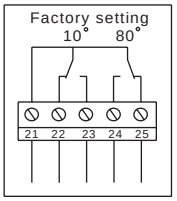
24 / 230 V





2 x Auxiliary switches
Adjustable 0-90°

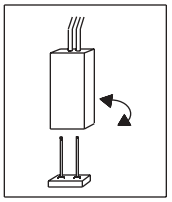
Auxiliary Switches



Example:
Motor anti-clockwise
21-22 closed at 10° and below
Motor clockwise
21-24 closed at 80° and above

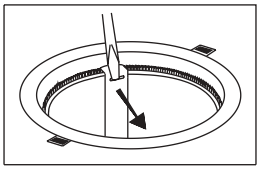
Manually set the motor to the required switching point & rotate the cam wheel just over the microswitch button. To set the second switching point repeat this using the second cam wheel.

Direction of Rotation



The direction of rotation is changed by reversing the polarity of the motor plug.

Adj angle of rotation between 0-90°



Rotation angle is adjusted by repositioning the adapter in 5°steps.The adaptor is released by pressing the locking clip on the underside of the actuator.

Latchable manual override.
No back voltage from supply terminals.
Auto re-start (230V motors) after manual adj.

CAUTION: Some of these products may be connected to 230VAC supply.
Some of these products may be connected to 24VAC supply.
Isolate device from electrical supply before removing cover.
The device should be checked by a qualified technician before applying any voltage.
Observe all relevant safety precautions, wiring/earthing regulations & electrical ratings.
Observe design limits of temperatures and torque ratings.
Always ensure the device operates correctly. If failure of the device can cause damage a safety backup control should be fitted.
All data is for guidance purposes only, subject to change without prior notice and not guaranteed to be absolutely correct unless confirmed by us in writing.

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