**E08..M, E16..M, E24..M, E32..M**

These motors can be fitted directly onto air damper shafts or remotely using linkage accessories in HVAC systems. They are also suitable for use on control valves. The rotary operation modulates according to the 0-10vdc / 4-20mA signal in order to open and close dampers, valves etc.

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

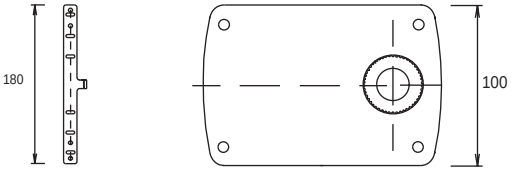
Motor stops automatically when in the end position.
Up to 5 motors can be wired in parallel.
Max. ambient -20/+50°C
Adjustable angle of rotation limiter 0-90°
Reversible position indication 0-10, 10-0
Noise level 45dB Latchable Manual Override
Supply : 24VAC ±20% 24VDC ±10% 230VAC ±10%
24V=7.5VA 230V=6VA
Enclosure Flammability = UL94-V0

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

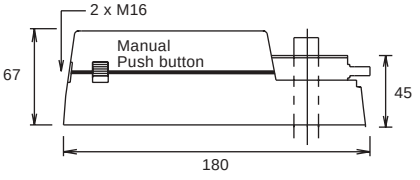
| Type | Supply 50/60Hz | Selectable Input | Aux Switch 230VAC | Run Time Approx | Torque | Damper Area Approx | *Enclosure |
|---|---|---|---|---|---|---|---|
| **E08-24M** | 24VAC/DC | 0-10vdc/4-20mA | -- | 30s | 8Nm | 2m² | IP44 |
| **E08-24MS** | 24VAC/DC | 0-10vdc/4-20mA | 2 x 3(1.5)A | 30s | 8Nm | 2m² | IP44 |
| **E16-20M** | 24VAC/DC | 0-20v phase cut/0-130 ohm | -- | 80s | 16Nm | 4m² | IP44 |
| **E16-24M** | 24VAC/DC | 0-10vdc/4-20mA | -- | 80s | 16Nm | 4m² | IP44 |
| **E16-24MS** | 24VAC/DC | 0-10vdc/4-20mA | 2 x 3(1.5)A | 80s | 16Nm | 4m² | IP44 |
| **E16-230M** | 230VAC | 0-10vdc/2-10vdc | -- | 80s | 16Nm | 4m² | IP44 |
| **E24-24M** | 24VAC/DC | 0-10vdc/4-20mA | -- | 125s | 24Nm | 6m² | IP44 |
| **E24-24MS** | 24VAC/DC | 0-10vdc/4-20mA | 2 x 3(1.5)A | 125s | 24Nm | 6m² | IP44 |
| **E32-24M** | 24VAC/DC | 0-10vdc/4-20mA | -- | 140s | 32Nm | 8m² | IP44 |
| **E32-24MS** | 24VAC/DC | 0-10vdc/4-20mA | 2 x 3(1.5)A | 140s | 32Nm | 8m² | IP44 |

**DIMENSIONS:**

Anti Rotation Bracket



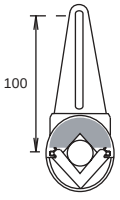

DIRECT MOUNTING :
Shaft size - Round 10-20mm Square 10-16mm



M16 male to M20 female conduit adapter included.

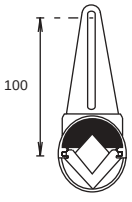
**ACCESSORIES:**

**ZKH**



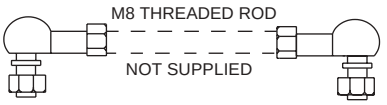

Motor Crank Arm

**ZKA**



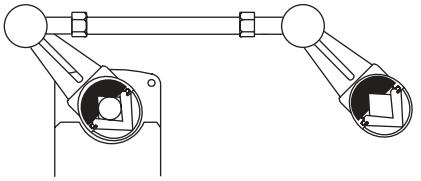

Damper Crank Arm

**ZKG**



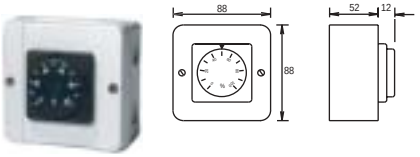

Ball Joint

**REMOTE MOUNTING**



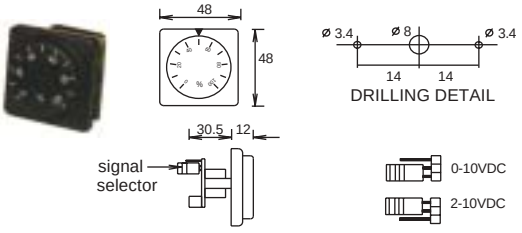
REQUIRES : 2 x ZKG 1 x ZKH 1 x ZKA

**PA** Positioner 0-100% Wall Mounting
Output 0 -10vdc or 2-10vdc selectable




Up to 10 motors can be controlled from one positioner.

**PF** Positioner 0-100% Front Panel Mounting
Output 0-10vdc or 2-10vdc selectable




Limit stops are provided under the knob to limit the angle of rotation.

**CAUTION:** These products may be connected to 230VAC supply.
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.