

Mode 5-2P Actuator Motor OPEN Motor CLOSED



(AC/DC 24 V)

2-wire control

Application

The type Mode 5-2P actuator is intended for the operation of smoke control.

Mode of operation

The Actuator moves the damper to it's open or close position according to the signal, feed to terminals 1-2 or 1-3. The actuator is overload protected and can remain under power in the end positions.

2-wire control is recommended.

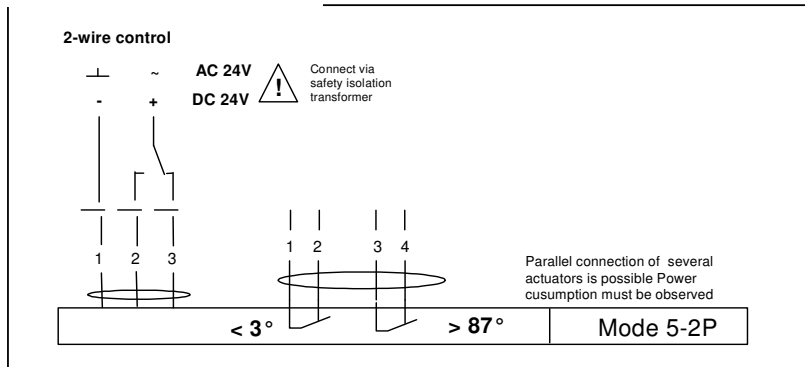
Signalling

There are two fixed micro switches in the actuator for indicating the end positions of the damper. Intermediate positions of the damper blade are shown by the mechanical indicator

Manual operation

The damper can be operated manually to any position using the manual reset key provided.

Wiring Diagram



| Technical Data | Mode 5-2P | |
|---------------------------|--|--------------------|
| Nominal voltage | AC 24V 50/60 Hz, | DC 24V |
| Nominal voltage range | AC 19,2...28.8V | DC 21,6...28.8V |
| For wire sizing | 18 VA | Imax. 8,2 A @ 5 ms |
| Power consumption | | |
| - motoring | 12 W | |
| - holding | 0,5 W | |
| Electrical connection | | |
| - Motor | Cable 1 m 3 x 0.75 mm ² (SiHFquality) | |
| - Aux. switches | Cable 1 m 4 x 0.75 mm ² (SiHFquality) | |
| Auxiliary switch | 2 x SPST | |
| Contact rating | 6(3)A, AC 250V | |
| Switching points | 3° / 87° | |
| Tolerance | +/- 2° | |
| Angle of rotation | 95° | |
| Torque | 40 Nm | |
| Holding torque | | |
| - dynamic | 40 Nm | |
| - static | 50 Nm | |
| Direction of rotation | Selected control wires | |
| Damper rotation | Form-fit 14 mm hexagonal | |
| Running time | < 60 s for 90° | |
| Sound power level | 65 dB(A) | |
| Service live | min. 10'000 cycles | |
| Position indication | mechanical with pointer | |
| Protection class | III (safety low voltage) | |
| Degree of protection | IP 54 | |
| Ambient temperature | | |
| - Normal duty | -30...+ 50 °C | |
| - Safety duty | 100°C for 30 minutes with thermal protection | |
| Non operating temperature | -40...+ 80 °C | |
| Humidity test | to EN 60730-1 | |
| EMC | CE according 89/336/EEC | |
| Low voltage directive | CE according 73/23/EEC | |
| Mode of operation | Type 1.C (EN60730) | |
| Maintenance | Maintenance free | |
| Weight | ca. 2700 g | |

Dimensions

