

Technical data sheet

Spring return actuator for the operation of air dampers that perform safety functions (e.g. frost and smoke protection, hygiene, etc.) for building services installations

- For dampers up to approx. 0.4 m²
- Torque 2 Nm
- Nominal voltage AC 100 ... 240 V
- · Control: Open-close



Technical data

| Electrical data | Nominal voltage | AC 100 240 V, 50/60 Hz |
|---------------------|--------------------------------|---|
| | Nominal voltage range | AC 85 265 V |
| | Power consumption In operation | 2.5 W @ nominal torque |
| | At rest | 1.5 W |
| | For wire sizing | 5 VA |
| | Connection Motor | Cable 1 m, 2 x 0.75 mm ² |
| Functional data | Torque Motor | Min. 2 Nm @ nominal voltage |
| | Spring return | Min. 2 Nm |
| | Direction of rotation | Selected by mounting L / R |
| | Angle of rotation | Max. 95° ∢ (adjustable 37 100% ∢ |
| | | with built-in mechanical stop) |
| | Running time Motor | < 75 s (0 2 Nm) |
| | Spring return | < 25 s @ –20 50 °C / max. 60s @ –30 °C |
| | Sound power level Motor | Max. 50 dB (A) |
| | Spring return | Approx. 62 dB (A) |
| | Service life | Min. 60'000 operations |
| | Position indication | Mechanical |
| Safety | Protection class | II Totally insulated |
| | Degree of protection | IP42 in any mounting position |
| | EMC | CE according to 89/336/EEC |
| | Low voltage directive | CE according to 73/23/EEC |
| | Mode of operation | Type 1.AA (to EN 60730-1) |
| | Overvoltage category | III |
| | Control pollution degree | 3 |
| | Ambient temperature range | –30 +50 °C |
| | Non-operating temperature | -40 +80 ° C |
| | Ambient humidity range | 95% r.H., non-condensating (EN 60730-1) |
| | Maintenance | Maintenance-free |
| Dimensions / Weight | Dimensions | See «Dimensions» on page 2 |
| - | Weight | Approx. 600 g |
| | | |

Safety notes



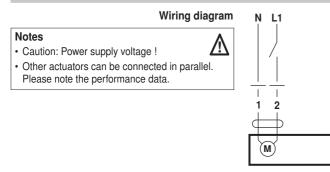
 The spring return actuator is not allowed to be used outside the specified field of application, especially not in aircraft or any other form of air transport.

- Caution: Power supply voltage !
- Assembly must be carried out by trained personnel. Any legal regulations or regulations issued by authorities must be observed during assembly.
- The device may only be opened at the manufacturer's site. It does not contain any parts that can be replaced or repaired by the user.
- · The cable must not be removed from the device.
- The device contains electrical and electronic components and is not allowed to be disposed of as household refuse. All locally valid regulations and requirements must be observed.



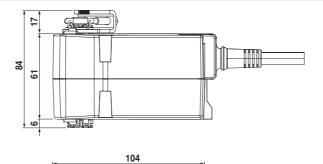
| Product features | | |
|-----------------------------|---|--|
| Mode of operation | The actuator moves the damper to its normal working position while tensioning the return spring at the same time. If the power supply is interrupted, the energy stored in the spring moves the damper back to its safe position. | |
| Simple direct mounting | Simple direct mounting on the damper spindle with a universal spindle clamp. An antirotation device is supplied to prevent unwanted rotation of the whole unit. | |
| High functional reliability | The actuator is overload-proof, requires no limit switches and automatically stops when the end stop is reached. | |

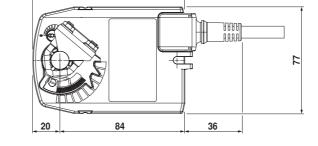
Electrical installation



Dimensions [mm]

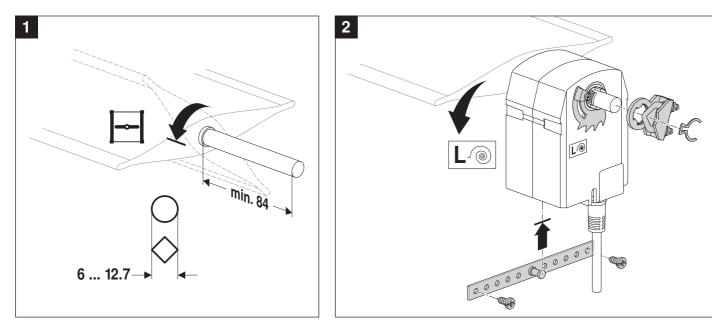
Dimensional drawings

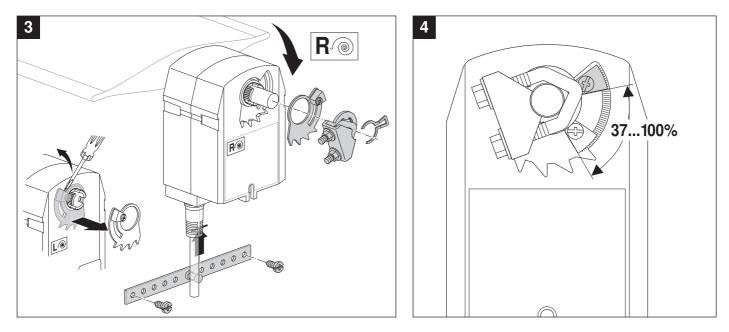


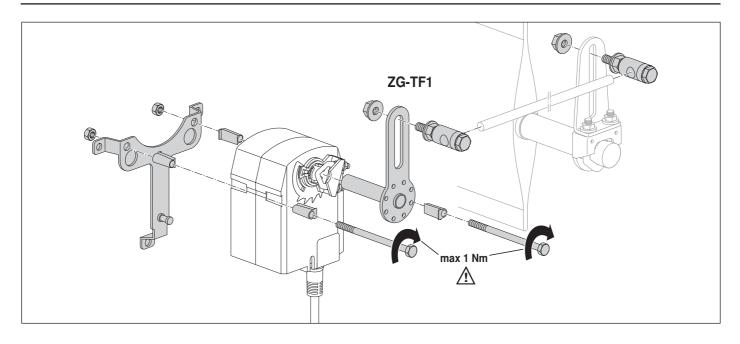












BELIMO

