## DA1.F(S) / DA2.F(S) ON/OFF Spring Return Actuator

## Application

The JOVENTA electric, Spring Return damperactuator series has been specially developed for the motorized operation of safety air dampers (anti-icing) in air conditioning systems, smoke evacuation dampers and sealing dampers. When the control signal is applied, the actuator drives the damper to the operational position, while evenly tensioning the integrated spring. After a power failure the stored energy in the spring immediately brings the damper to the safety position.
Manual operation is automatically cancelled when the actuator is in electrical operation. The compact design and universal adapter fitted with limitation of rotation angle make this actuator highly versatile.

## Features

- ON/OFF control
- Up to 5 actuators in parallel operation possible
- Plug-in terminal block connection
- Simple direct mounting with universal adapter on $\varnothing 10 \mathrm{~mm}$ to 20 mm shaft
or 10 mm to 16 mm square shaft
77 mm min shaft length
- Selectable direction of rotation
- Limitation of rotation angle
- Manual positioning with crank handle
- 2 adjustable auxiliary switches (See back page for settings)
- Automatic shut-off at end position (overload switch)
- Energy saving at end positions
- Actuators available with 1 m halogen-free cable


## Accessories

- ZK Damper linkage selection
- ZKG Ball joints
(See data sheet 6.10)

Ordering Codes

| Codes | Descriptions |
| :--- | :--- |
| DA1.F | AC/DC 24 V |
| DA1.FS | AC/DC 24 V , with 2 auxiliary switches |
| DA2.F | AC 230 V |
| DA2.FS | AC 230 V , with 2 auxiliary switches |

## Wiring Diagram



Parallel Connections


Auxiliary Switches (S)


Limitation of rotation Angle

The limitation or rotation/working range can, through segments 1 and 2 , be reduced by up to $30^{\circ}$ from both end positions.


Factory setting
Switch a at $10^{\circ}$
Switch b at $80^{\circ}$
The switching position can be manually changed to any required position by turning the ratchet

## Setting the auxiliary switches

The change in rotation direction is archieved by removing the adapter bush from one side and replacing it on the other side.


Factory setting: Clockwise rotation.


## Changing the direction of rotation



## Technical Specifications


*Caution: Please note damper manufacturer's information concerning the open/close torque.

