

## S6061-04 On/off Damper Actuator

### Summary:

The damper actuator is specially designed for small and middle air damper and terminal control unit of air volume system. Due to the small size and flexible control, usually used in the space where is limited.

There is a characteristic of this damper actuator, the hammer type adapter combine the rotation angle and position indicate.



### Features:

- 04Nm on/off type, controllable by 2 or 3 points
- Actuator and damper shaft are bolt-on by screw.
- It can parallel connections 20 actuators at most.
- The adapter can connect maximum round shaft  $\phi 16$  and square shaft 12mm.
- Direction of rotation can be chosen.
- Angle of rotation is limited, can set the angle of rotation.
- It can be unlocked by manual operation.

### Technical datasheet:

| Item                                          | Unit           | S6061-04D/24V        | S6061-04D/230V |
|-----------------------------------------------|----------------|----------------------|----------------|
| Torque                                        | Nm             | 4                    |                |
| Damper area                                   | m <sup>2</sup> | 1                    |                |
| Running time                                  | sec            | 30~40                |                |
| Power supply                                  | V              | 24VAC/DC             | 230VAC         |
| Frequency                                     | Hz             | 50/60                |                |
| Running consumption                           | W              | 4.0                  |                |
| Maintaining consumption                       | W              | 3.0                  |                |
| Weight                                        | Kg             | 1.0                  |                |
| Control signal                                |                | 2/3 point            |                |
| Position signal                               |                | 2 auxiliary switches |                |
| Rotation angle: -working range<br>-limitation |                | 0~90° (Max 93°)      |                |
|                                               |                | 0° ~90°              |                |
| Life cycle                                    |                | >70 000              |                |
| Noise                                         |                | 45dB(A)              |                |
| Electrical level                              |                | II                   |                |
| Protection level                              |                | IP44 or IP54         |                |
| Temperature                                   |                | -20~+50℃             |                |
| Humidity                                      |                | 5-95%RH              |                |
| Certificate                                   |                | CE/ UL               | CE             |

**Remark:** After lead to the actuator wire through PG joint, the protection level can reach IP54.

## Wiring diagram:

On/off type actuator can operate by 2/3 point.

2-point



- +  
⏏ ~  
N L1

24VAC/DC  $\pm 10\%$

230VAC  $\pm 10\%$

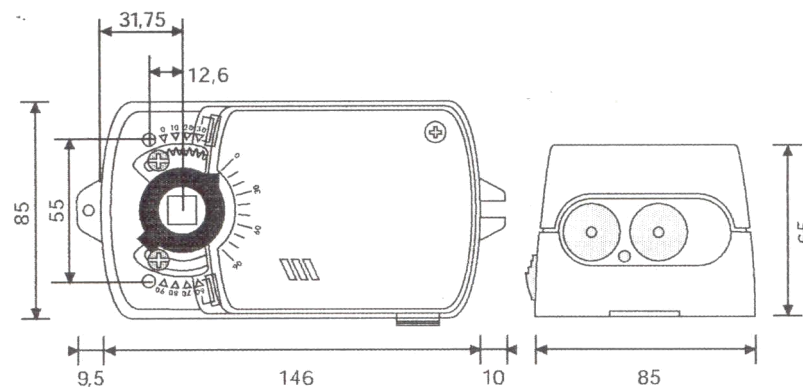
3-point



- +  
⏏ ~  
N L1

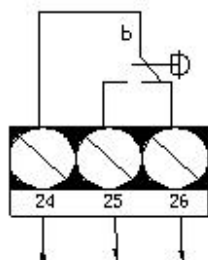
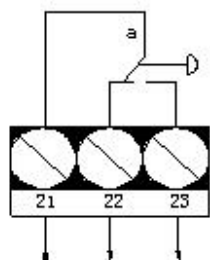
## Outline dimension:

Unit (mm)



## Auxiliary switch:

There are 2 auxiliary switches of the actuator, and you can set the angle 0-90° (the factory sets a is 10° and b is 80°). It will output a on/off signal when the actuator rotates the setting angle. (There is no auxiliary switch of modulating type).



3 (1.5) Amp 250V

The actuator is on 0°