



## SPRING RETURN ACTUATOR (10 Nm)

**DATxF**

### FUNCTION

On / Off spring return for fire damper control.  
The actuator opens the damper loading the return spring: when current is cut-off the spring moves the damper in a safe position.

### APPLICATIONS

Well-suited for applications with security dampers used as antifreeze, antismoke or for sealing in the hygienic-sanitary field.

TYPE	POWER SUPPLY	SIGNAL CONTROL
<b>DAT24F</b>	24 Vac/dc	2- point
<b>DAT24FS</b>	24 Vac/dc	2- point
<b>DAT230F</b>	230 Vac	2- point
<b>DAT230FS</b>	230 Vac	2- point

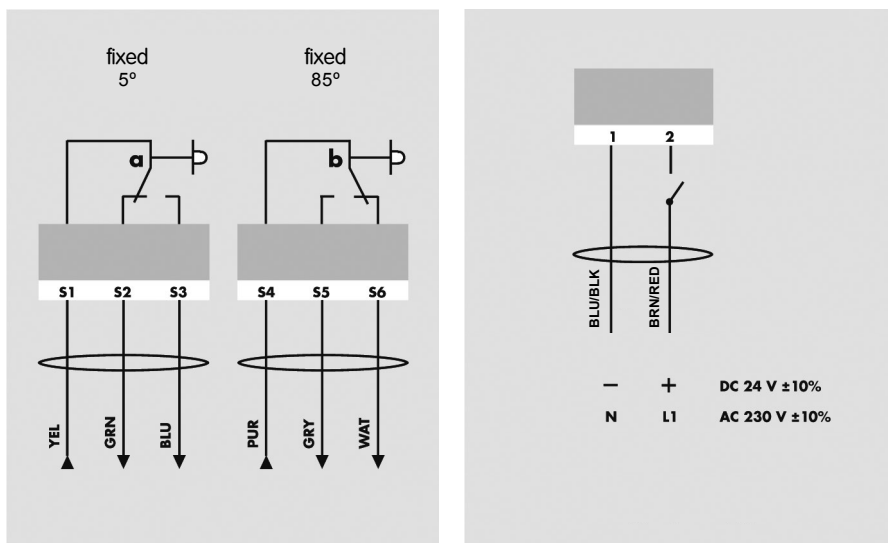
**S** models with 2 fixed auxiliary switches (a) 5° (b) 85°

Actuator		<b>DAT24F</b>	<b>DAT230F</b>
Damper area (*)	m <sup>2</sup>	2	2
Torque	Nm	10	10
Power supply	V	24 Vac/dc	230 Vac ±10%
Frequency	Hz	50...60	50...60
Power consumption			
- operating		5.0 W	6.5 W
For wire sizing		1 m / 2 x 0.75 mm <sup>2</sup>	1 m / 2 x 0.75 mm <sup>2</sup>
Running time			
- motor	s	100	100
- spring	s	25	25
Weight	g	2300	2300
Control signal		2- point	2- point
Rotation angle:			
- working range		-5°...+95°	-5°...+95°
Auxiliary switches		3(1.5) A 230 Vac	3(1.5) A / AC 230 Vac
Direction of rotation		bidirectional	bidirectional
Protection class		III	II
Degree of protection		IP54	IP54
Room temperature		-20 ... +50°C	-20 ... +50°C
Room humidity		5...95% r.h.	5...95% r.h.
Noise level		max 45 dB	max 45 dB
Standards		CE	CE

(\*) the indication of the damper area is not significant, the data that must be taken into account is the value of the torque in Nm.

Wiring diagram

- YEL** - yellow
- GRN** - green
- BLU** - blue
- PUR** - purple
- GRY** - grey
- WAT** - ochre
- BLK** - black
- RED** - red



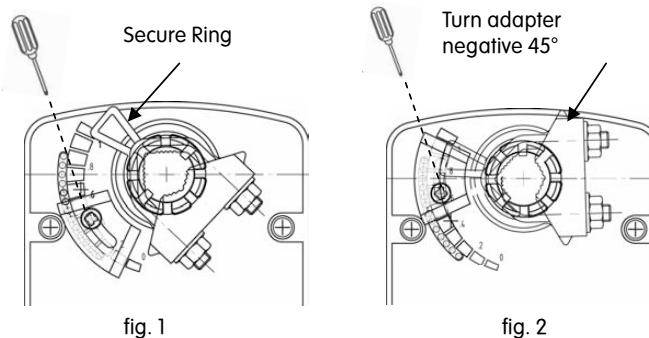
Limitation of rotation angle

For 5° to 45° (see fig. 1)

1. Loosen screw of the mechanical limiter plate.
2. Move the limiter plate to the appropriate position.
3. Tighten the screw.

For 45° to 85° (see fig. 2)

1. Release the secure ring of the adapter.
2. Remove the adapter and turn negative 45° as shown.
3. Insert adapter and secure the adapter ring.
4. Loosen screw of the mechanical limiter plate.
5. Move the limiter plate to the appropriate position.
6. Tighten the screw.



5° to 45° setting

45° to 85° setting

DIMENSIONS (mm)

