

Product Overview

The AX-RAFW-10DS Smoke Control Damper Actuators are designed to control smoke in ventilation and air-conditioning systems. These 24Vac/dc & 230Vac operated On/Off type actuators comes with two default auxiliary SPDT switches.



Products Features

- Square shaft : Max 12x12mm
- Control: On/Off
- Two auxiliary switches
- CE Complaint

Product Specifications

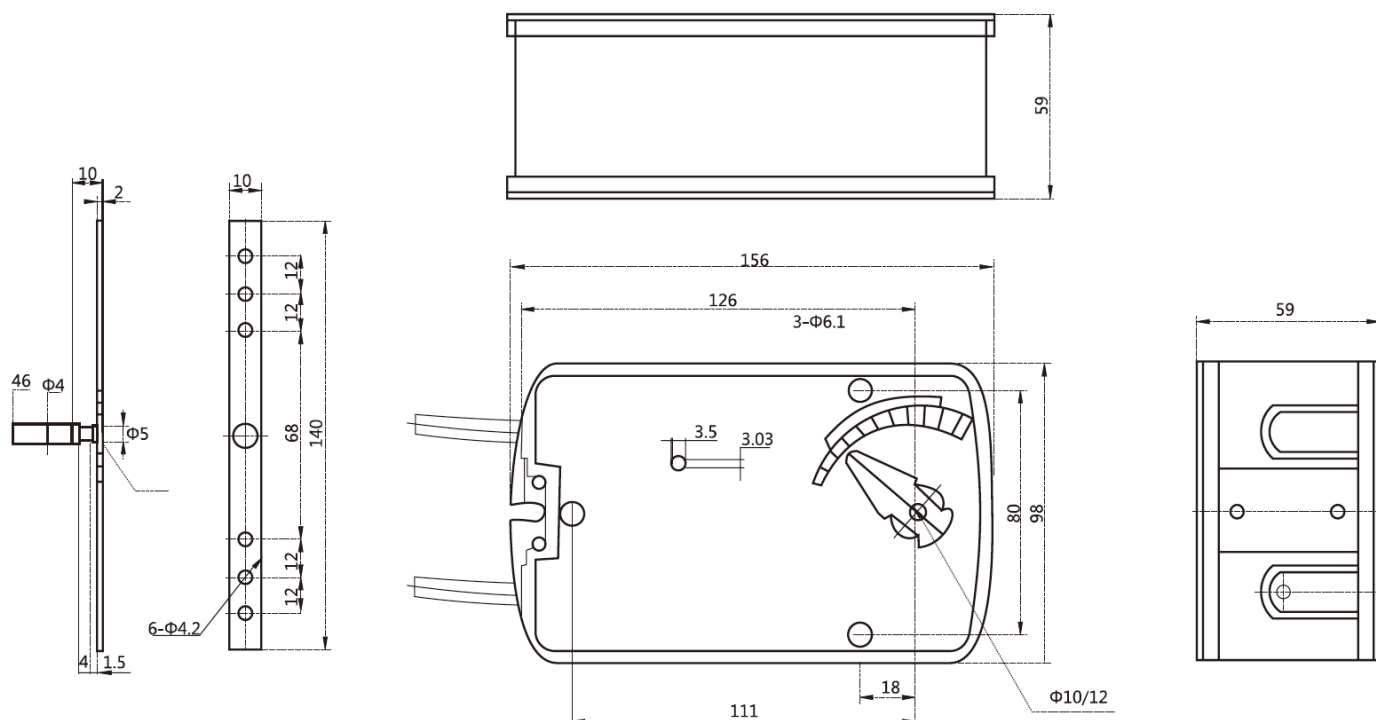
Torque:	10Nm
Damper size:	1.5m ²
Running time	Less than 45s
Power supply:	AC/DC 24V @ 50/60Hz or AC 100-240V @ 50/60Hz
Nominal voltage range:	24Vac (AC/DC 19.2V-28.8V), 230Vac (AC 85V-265V)
Power consumption:	Runtime: 5W, Idle:0.5W
Angle of rotation:	95° max (5° per step)
Direction:	Selectable by mounting L/R
Position indication:	Machine Instruction
Manual override available:	Yes
Auxiliary switch:	2x SPDT
Auxiliary switch rating:	1mA...3(1.5)A, AC220V
Sound power level, motor:	45dB (A)
Ingress protection:	IP54
Protection class:	S: III (Safety low voltage), ST: II (Complete insulated)
Ambient humidity:	95 % RH, Non Condensing (EN60730-1)
Ambient temperature:	-20°C to 50°C (-4°F to 122°F) IEC 721-3-3
Storage temperature:	-30°C to 80°C (-22°F to 176°F) IEC 721-3-2
Shaft Length:	>90mm
Shaft Diameter:	12x12mm, 8x8mm & 10x10mm shaft sleeve
Weight:	<1.8 Kg
Compliance:	CE
Country Of Origin:	UK

Order Codes

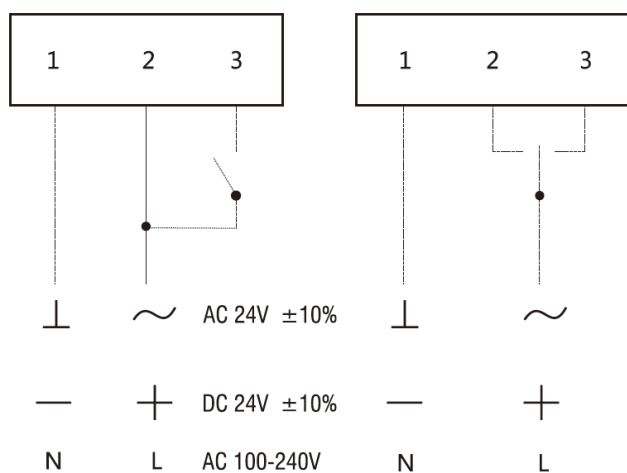
Part Number	Description
AX-RAFW-10DS	Smoke control damper actuator, No spring On/Off , 10Nm, 2x SPDT Aux switches
AX-RAFW-10DS-230	Smoke control damper actuator, No spring On/Off , 10Nm, 2x SPDT Aux switches, 230Vac

AXIO

Dimensions (mm)



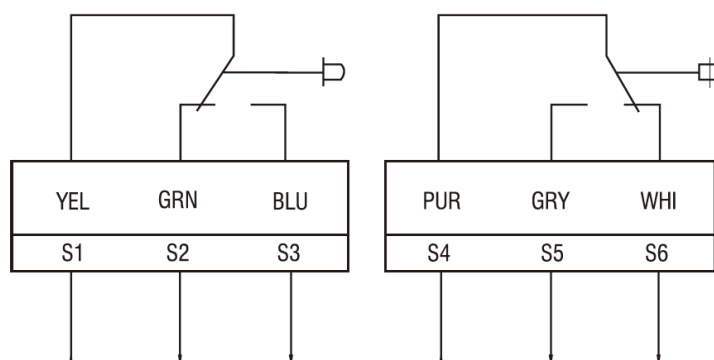
Actuator



2-Point

3-Point

Auxiliary switch



Resistance load 3A,230V
Inductive load 1.5A,230V

Operation

When power is applied, the actuator moves the damper at the same time as tensioning the return spring. It returns to the safety position by spring energy when the supply voltage is interrupted.

Plug the handle into the hexagonal hole. Move the handle in the direction of the arrow icon slowly. The output shaft and pointer will start rotating. After moving to the required position, rotate the lock knob towards the lock icon to lock the output shaft. To unlock, rotate the lock knob in the opposite direction.

DO NOT operate it manually when the spring is returning. It could cause mechanical damage.

Datasheet Contents

Every effort has been taken in the production of this data sheet to ensure accuracy. Annicom do not accept responsibility for any damage, expense, injury, loss or consequential loss resulting from any errors or omissions. Annicom has a policy of continuous improvement and reserves the right to change this specification without notice.