

Damper Actuator, Modulating, 16Nm

Product Overview

The AX-RA-16A modulating damper actuators are designed for dampers in ventilation and air-conditioning systems. These 24Vac/dc & 230Vac operated actuators come with two auxiliary SPDT switches.

The 16Nm damper actuator AX-RA-16A with selectable control signals of 0(2)-10Vdc or 0(4)-20mA are used to regulate dampers up to approximately 3m².



Products Features

- Manual control button available in casing.
- Self Overload Protection
- Mechanical limit operator
- CE Compliant

Product Specifications

Torque:	16Nm
Damper size:	3m ²
Running time:	100 Sec
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: 4.5W, Holding: 0.5W
Angle of rotation:	0-95° (Mechanical Adjustment Option)
Direction of rotation:	Manual Regulation
Life cycle:	60,000 cycles
Control Signal:	0(2)-10V or 0(4)-20mA (Selectable)
Auxiliary switch:	2x SPDT
Auxiliary switch rating:	3(1.5)Amp, AC230V
Sound power level, motor:	45dB
Ingress protection:	IP54
Ambient temperature:	-20°C to 50°C
Storage temperature:	-30°C to 80°C
Humidity Test:	95% RH (Non Condensing)
Weight:	1.3 Kg
Shaft Length:	>50mm
Compliance:	CE
Country Of Origin:	UK

Order Codes

Part Number	Description
AX-RA-16A	Damper Actuator, Modulating 24V, 16Nm, 0(2)-10V/0(4)-20mA
AX-RA-16A-S	Damper Actuator, Modulating 24V, 16Nm, 0(2)-10V/0(4)-20mA, 2 Aux Switches

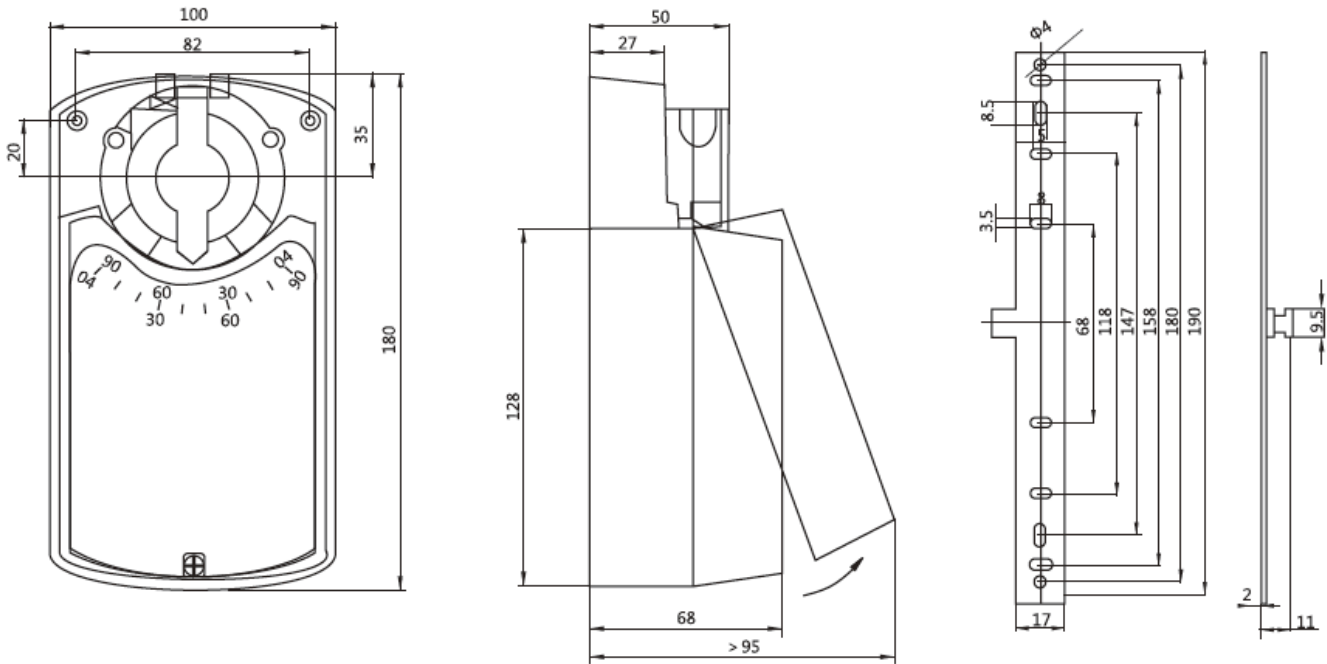
* Add suffix "-230" for 230Vac versions

AX-RA-16A

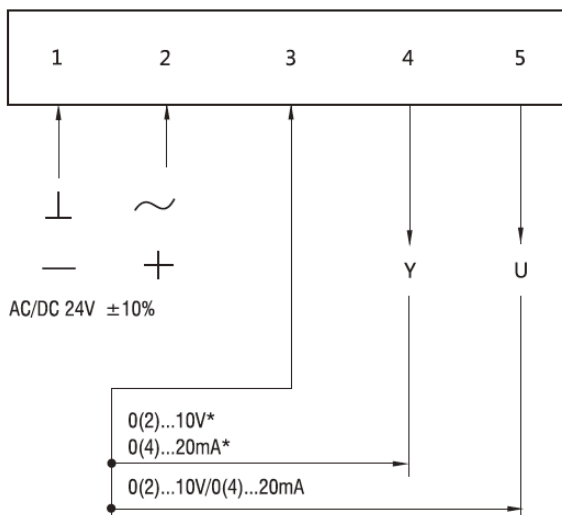


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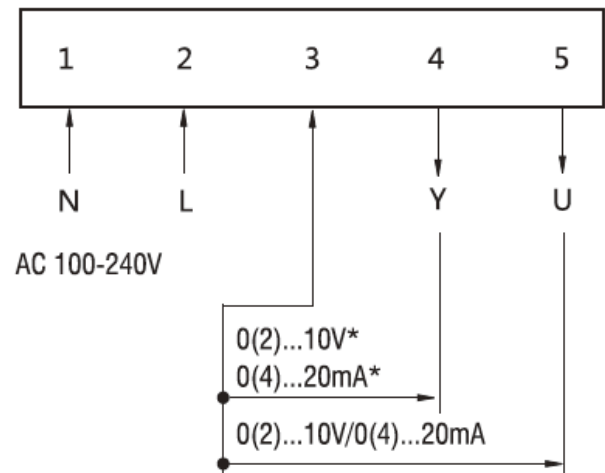
Dimensions (mm)



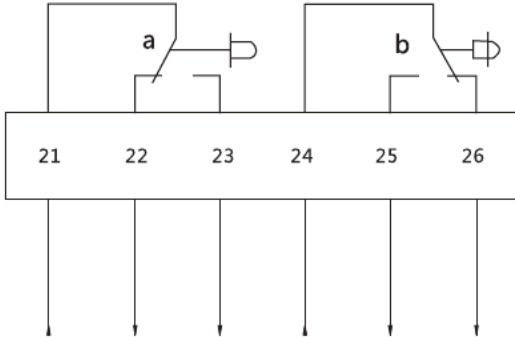
Wiring Diagram (24V)



Wiring Diagram (230V)



Auxiliary Switch



Control Switch Settings

No 1: Mode of feedback signal	No 2: Control of starting signal	No 3: Mode of control signal	No 4: Switch the Direction of Rotation	Factory setting
				<p>Input: 0-10V; Feedback: 0-10V; With the signal increase, actuator rotates clockwise.</p>
OFF: voltage signal 0(2)-10V feedback;	OFF: 0-10V or 0-20mA;	OFF: voltage signal 0(2)-10V input;	OFF: With the signal increase, actuator rotates anticlockwise;	
ON: current signal 0(4)-20mA feedback.	ON: 2-10V or 4-20mA.	ON: current signal 0(4)-20mA input.	ON: With the signal increase, actuator rotates clockwise.	

Datasheet Contents

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