



FIRBESON

F30A Series Standard Damper Actuator

The damper actuator specially designed for the air dampers of the HVAC Systems



Torque

2Nm, 5Nm, 10Nm, 20Nm, 30Nm, 40Nm

Supply Voltage & Control

AC/DC19.2-28.8V or AC85-265V, 2/3 point

AC/DC19.2-28.8V, 0(2)-10V or 0(4)-20mA

Order code

F30 A - X X X - X

Accessories : S for Auxiliary Switches

Power Source : 24 for AC/DC19.2-28.8V;
230 for AC 85-265V

Control : D for 2/3 point; M for modulating

Torque : 2Nm, 5Nm, 10Nm, 20Nm, 30Nm, 40Nm

Standard Damper Actuator

Labeling of Series

20Nm Model Type

Model	Torque	Running Time	Nominal Voltage	Auxiliary Switches
F30A-20D24	20Nm	75s	AC/DC 24V Or AC 230V	Without
F30A-20D230				
F30A-20M24				
F30A-20D24-S				With 2 SPDT
F30A-20D230-S				
F30A-20M24-S				

F30A-20 Specification

Items	F30A-20D24 F30A-20D24-S	F30A-20D230 F30A-20D230-S	F30A-20M24 F30A-20M24-S
Electrical Parameters			
Nominal Voltage （V）	AC/DC 24V 50/60Hz	AC 230V 50/60Hz	AC/DC 24V 50/60Hz
Nominal Voltage Range （V）	AC/DC 19.2-28.8V	AC 85-265V	AC/DC 19.2-28.8V
Power Consumption （on）	2.5W（24V）；3.5W（230V）		
Power Consumption （off）	0.7W（24V）；1W（230V）		
Cable	2/3 point: 1m cable 3*0.75mm ² ; Modulating: 1m cable 4*0.5mm ² , Positional Feedback: 1m cable 6*0.5mm ²		
Technical Parameters			
Torque	20Nm		
Damper Area （m ² ）	4		
Running Time	75s		
Control Signal	2/3 point		0(2)-10V or 0(4)-20mA
Angle of Rotation	0~90°（max 93°）		
Direction of Rotation	L/R switch		
Positional Feedback	None or 2 SPDT		
Life Cycle	≥70000		
Noise Level	≤45dB		
Operating Condition			
Protection Class	II/III		
Degree of Protection	IP54		
Ambient Temperature	-30~+50℃		
Ambient Humidity	5~95%RH		
Non-operating Temperature	-40~+80℃		
Dimensions & Weight			
Spindle Diameter	 12-26.7mm		
Weight（Kg）	0.9		
Certificates	CE, UKCA, UL, RoHS		