



FIRBESON

F30N Series Non-Spring Return Smoke Damper Actuator

The damper actuator specially designed for the Fire & Smoke damper applications



Torque

10Nm, 15Nm, 30Nm, 40Nm

Supply Voltage & Control

AC/DC 19.2-28.8V or AC 85-265V, on/off

Order code

F30 N - X X X - X

Auxiliary Function : S for Auxiliary Switches

Nominal Voltage : 24 for AC/DC 19.2-28.8V ;
230 for AC 85-265V

Control Signal : D for 2/3 point

Torque : 10Nm, 15Nm, 30Nm, 40Nm

N for Non-Spring Return Smoke Damper Actuator

Labeling of Series

10Nm、15Nm Product Table

Model	Torque	Running Time	Nominal Voltage	Auxiliary Switches
F30N-10D24-S	10Nm	motor : 50s	AC/DC 24V or AC 230V	2 SPDT
F30N-10D230-S				
F30N-15D24-S	15Nm			
F30N-15D230-S				

F30N-10/15D-S Specifications

Items	F30N-10D24-S F30N-10D230-S	F30N-15D24-S F30N-15D230-S
Electrical Parameters		
Nominal Voltage （V）	AC/DC 24V 50/60Hz ；AC 230V 50/60Hz	
Nominal Voltage Range （V）	AC/DC 19.2-28.8V ；AC 85-265V	
Power Consumption （on）	3W	5W
Power Consumption （off）	1W	1W
Cable	2/3 points: 1m cable 3*0.75mm ² ; modulating: 1m cable 4*0.5mm ² ; signal feedback: 1m cable	
Technical Parameters		
Torque	10Nm	15Nm
Damper Area （m ² ）	2	3
Running Time	motor: 50s	
Control Signal	2/3 point	
Angle of Rotation	0~90° (Max 93°)	
Direction of Rotation	L/R switches	
Positional Feedback	2 SPDT	
Life Cycle	≥ 70000	
Noise Level	50dB	
Operating Condition		
Protection Class	II/III	
Degree of Protection	IP54	
Ambient Temperature	-30~+55℃	
Ambient Humidity	5~95%RH	
Non-operating Temperature	-40~+80℃	
Dimensions & Weight		
Spindle Diameter	10*10/12*12mm	
Weight （Kg）	1.5	
Certificates	CE, UKCA, UL, RoHS	

30Nm、40Nm Product Table

Model	Torque	Running Time	Nominal Voltage	Auxiliary Switches
F30N-30D24-S	30Nm	motor: 60s	AC/DC 24V or AC 230V	2 SPDT
F30N-30D230-S				
F30N-40D24-S	40Nm			
F30N-40D230-S				

F30N-30/40D-S Specifications

Items	F30N-30D24-S F30N-30D230-S	F30N-40D24-S F30N-40D230-S
Electrical Parameters		
Nominal Voltage （V）	AC/DC 24V 50/60Hz；AC 230V 50/60Hz	
Nominal Voltage Range （V）	AC/DC19.2-28.8V；AC 85-265V	
Power Consumption （on）	6W, 6.5W	
Power Consumption （off）	1W	
Cable	2/3 points: 1m cable 3*0.75mm ² ; modulating: 1m cable 4*0.5mm ² ; signal feedback: 1m cable 6*0.5mm ²	
Technical Parameters		
Torque	30Nm	40Nm
Damper Area （m ² ）	6	8
Running Time	motor: 60s	
Control Signal	2/3 point	
Angle of Rotation	0~90° (Max93°)	
Direction of Rotation	L/R switches	
Positional Feedback	2 SPDT	
Life Cycle	≥ 7000	
Noise Level	50dB	
Operating Condition		
Protection Class	II/III	
Degree of Protection	IP54	
Ambient Temperature	-30~+55℃	
Ambient Humidity	5~95%RH	
Non-operating Temperature	-40~+80℃	
Dimensions & Weight		
Spindle Diameter	10*10/12*12mm	
Weight （Kg）	2	
Certificates	CE, UKCA, UL, RoHS	