



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 or0(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

## 5Nm Model Types

| Model        | Torque | Running Time | Nominal Voltage         | Auxiliary Switches |
|--------------|--------|--------------|-------------------------|--------------------|
| F30A-5D24    | 5Nm    | 45s          | AC/DC 24V<br>Or AC 230V | Without            |
| F30A-5D230   |        |              |                         |                    |
| F30A-5M24    |        |              |                         |                    |
| F30A-5D24-S  |        |              |                         | With 2 SPDT        |
| F30A-5D230-S |        |              |                         |                    |
| F30A-5M24-S  |        |              |                         |                    |

## F30A-5 Specification

| Items                         | F30A-5D24<br>F30A-5D24-S                                                                                                      | F30A-5D230<br>F30A-5D230-S | F30A-5M24<br>F30A-5M24-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）        | 1.5W                                                                                                                          |                            |                          |
| Power Consumption （off）       | 0.7W                                                                                                                          |                            |                          |
| Cable                         | 2/3 point: 1m cable 3*0.75mm <sup>2</sup> ; Modulating: 1m cable 4*0.5mm <sup>2</sup> ; Positional Feedback: 1m cable 6*0.5mm |                            |                          |
| Technical Parameters          |                                                                                                                               |                            |                          |
| Torque                        | 5Nm                                                                                                                           |                            |                          |
| Damper Area （m <sup>2</sup> ） | 1                                                                                                                             |                            |                          |
| Running Time                  | 45s                                                                                                                           |                            |                          |
| 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              |  8-18mm                                   |                            |                          |
| Weight （Kg）                   | 0.5                                                                                                                           |                            |                          |
| Certificates                  | CE, UKCA, UL, RoHS                                                                                                            |                            |                          |