

ON/OFF DAMPER ACTUATOR



SDAP

SDAO24N, SDAO24S
SDAO22N, SDAO22S
SDAO34N, SDAO34S

Application

SDAO is a motor-drive On/Off Damper Controller. It can open or enclose damper.

- Damper Control in Ventilation or Air-Conditioning Equipment
- Surface Area of Damper is limited under 4.6m² (20Nm).
- It can move CW or CCW by electrical operation.
- Controller can start to rotate if AC 24V is supplied.
- When power is off, Actuator will be stopped at current position

Technical Data

MODEL	TORQUE	POWER	AUXILIARY OUTPUT	SUITABLE
SDAO24N	20Nm	AC/DC 24V		
SDAO24S	20Nm	AC/DC 24V	125V, 1A	
SDAO22N	20Nm	AC220V		
SDAO22F	20Nm	AC220V	125V, 1A	
SDAO34N	30Nm	AC/DC 24V		
SDAO34F	30Nm	AC/DC 24V	125V, 1A	

- POWER SUPPLY : 24V AC/DC \pm 10%. (220VAC/)
- FREQUENCY : 50 or 60Hz
- POWER CONSUMPTION : 7.5W(Operating), 1W(Normal) / 220VAC:12W(Operating)
- NOMINAL FORCE : 20Nm , (30Nm: DAO34N)
- NOMINAL ROTATION RANGE : 90°
- MECHANICAL ROTATION RANGE : 95° \pm 2°
- ROTATION : CW/CCW (built in converting switch)
- OPERATION TIME : 40 sec
- CONNECTION CABLE : Terminal type
- NOISE LEVEL : 40 Db
- AMBIENT TEMPERATURE : -20 ~ 55°C
- AMBIENT HUMIDITY : under 95%Rh
- ENCLOSURE CLASS : IP 53 (EN60529)
- DAMPER SHAFT : Φ 15~ Φ 20, \square 10~ \square 16
- WEIGHT : 1.1 Kg

Notes

Bracket : If Controller is required to be installed on damper shaft, absolutely use bracket.
The fixing pin of bracket must be aligned to the groove of controller.

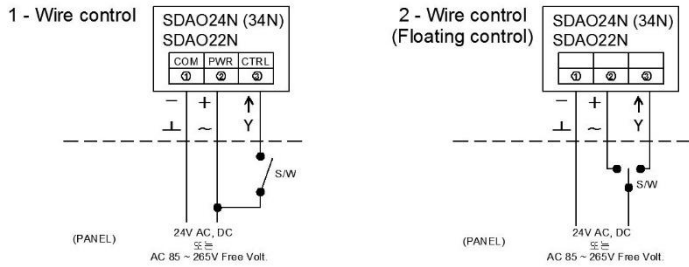
Installation Position : Choose the position to set the dial in front of controller and connect cable easily.

Manual : Control To set the switch position to be closed 100%, according to the procedure, move shaft adaptor and positioner .

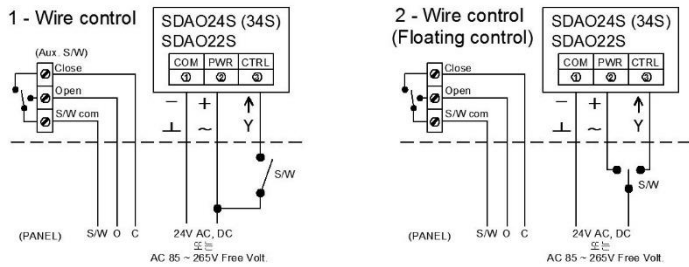
Mechanical Limitation of Rotation Angle : step 5° from 0° to 90°

Wiring Diagram

ON-OFF
(AC24V, AC220V)



ON-OFF(Feed back)
(AC24V, AC220V)



Shape Dimension

