

PROPORTIONAL DAMPER ACTUATOR



SDAP

SDAP24N, SDAP24F
SDAP34N, SDAP34F

Application

SDAP is a motor-drive Damper Control. It can open or enclose damper by proportional control signal.

- Damper Control in Ventilation or Air-Conditioning Equipment.
- Surface Area of Damper is limited under 4.6m² (20Nm).
- Rotation Direction is choose CW or CCW by Rotation Switch
- With control signal, it moves. Without control signal, it stays as it is.
- If power is normal but control signal is strange, it moves to "0°".
- When power is off, Actuator will be stopped at current position

Technical Data

MODEL	TORQUE	POWER	AUXILIARY OUTPUT	SUITABLE
SDAP24N	20Nm	AC/DC 24V		
SDAP24F	20Nm	AC/DC 24V	0 ~ 10V	
SDAP34N	30Nm	AC/DC 24V		
SDAP34F	30Nm	AC/DC 24V	0 ~ 10V	

• POWER SUPPLY	: 24V AC/DC ±10%
• FREQUENCY	: 50 or 60Hz
• POWER CONSUMPTION	: 6.5VA/7.5W(Operating), 1W(Normal)
• INPUT SIGNAL	: 0(2)~10VDC / 4 ~ 20mA.
• SWITCH	: D.A / R.A Action
• NOMINAL FORCE	: 20Nm , (30Nms: DAP34F)
• NOMINAL ROTATION RANGE	: 90°
• MECHANICAL ROTATION RANGE	: Max. 95°
• 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	: Φ15~Φ20, □10~□16
• WEIGHT	: 1.1 Kg

Notes

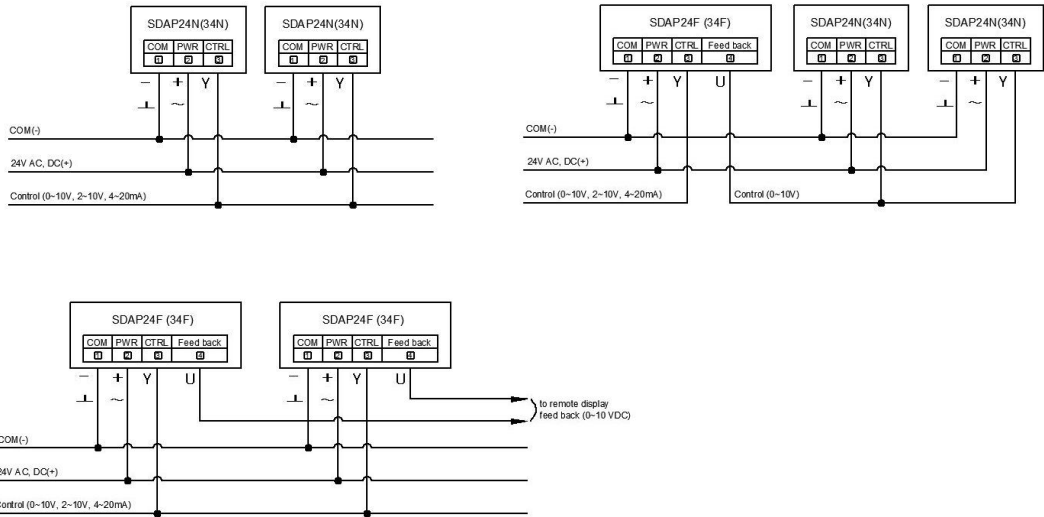
Bracket : If Controller is required to be installed on damper shaft, absolutely use bracket.
The fixing pin of bracket must be aligned to the groove of controller.

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



Shape Dimension

