

8-15

ON/OFF Damper actuator GDA-20A / 40A



Summary

- Direct-coupling for connection
- Operating with ON/OFF contact signal
- Digital damper actuator to open or close the air-circulation damper
- Applicable to HVAC
- GDA - 20A / 40A : ON/OFF(standard)
- GDA - 20AS / 40AS : ON/OFF & Auxiliary switch



Use

- GDA - 20A : Norminal stroke - 20Nm / 4.6m² damper size available to the Max.
- GDA - 40A : Norminal stroke - 40Nm / 8m² damper size available to the Max.
- For air-circulation and HVAC to operate damper
- To open and close(ON/OFF) damper
- For outside air-damper, Ventilation, circulation damper



Function

- Direction change available with different wiring for CW or CCW
- "0°" or "90°" movement in normal power supply
- Stop at the current position when power-off



Technical Data

	GDA-20A	GDA-20AS	GDA-40A	GDA-40AS
Power supply	24VAC ±10% 50/60HZ			
Consumption power	5VA(4.5W) in operation / 2.9W usually		5.5VA(5W) in operation / 2.9W usually	
Operation type	ON/OFF	ON/OFF & Auxiliary switch	ON/OFF	ON/OFF & Auxiliary switch
Norminal force	20Nm		40Nm	
Angle of rotation	90° / Max. 95° ±2°			
Turning direction	CW / CCW switching available			
Operation time for 90°	135sec(60Hz), 150sec(50Hz)			
Ambient Temp	- 20 ~ + 55°C in operation, - 30 ~ + 65°C in transit			
Ambient humidity	5 ~ 95%RH			
Noise level	35dB			
Housing protection	IP54 (EN60529)			
Cable connection	Terminal block type			
Applicable shaft(rod)	Ø10 ~ Ø20 round rod, □10 ~ □16 square rod			
Auxiliary contact		1-SPDT Auxiliary Switch		1-SPDT Auxiliary Switch
Weight	1.4kg	1.5kg	1.4kg	1.5kg

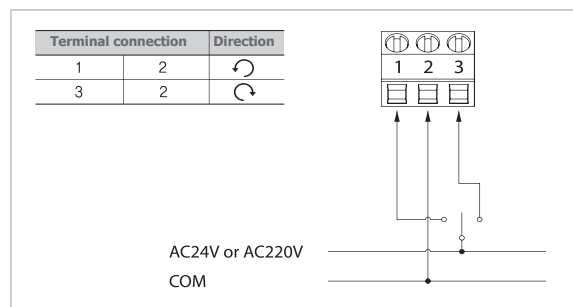


Mounting Notes

- Bracket must be used to mount actuator directly onto damper with bracket pin right on the angle of actuator
- Mounting location must be proper to dial-setting on the front side of actuator and to cable connection
- Manual operation : For the accurate switching location of on/off damper operation, press the button of manual operation and adjust the shaft adapter and position indicator(Do not supply the electric power when manual operation)



Wiring Diagram



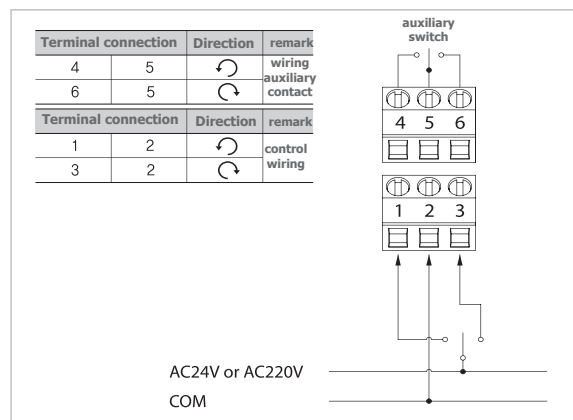
ON - OFF

Terminal No. 2 is COMMON

When using Terminal No. 1 and No. 2,
→ actuator rotates CCW("0", ↺)

When using Terminal No. 2 and No. 3,
→ actuator rotates CW("1", ↻)

When no-using Terminal No. 1 or No. 3,
→ actuator stops at current position



ON - OFF / auxiliary switch

Terminal No. 2 and No. 5 is COMMON

Terminal No. 4, 5, 6 for ON-OFF type and auxiliary contact point

When using Terminal No. 4 and No. 5(auxiliary switch) / no power supply,
→ actuator rotates CCW("0", ↺) and output contact point at stop

When using Terminal No. 5 and No. 6(auxiliary switch) / no power supply,
→ actuator rotates CW("1", ↻) and output contact point at stop

When no-using Terminal No. 1 or No. 3,
→ actuator stops at current position



Dimensions

