

## 8-18

## ON/OFF damper actuator GDA-F(S)



### 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 - 10/20 F : ON/OFF (speedy type) / · GDA - 10/20 FS : ON/OFF (speedy type) & Auxiliary switch



### Use

- 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

ITEM	GDA-10F / GDA-10FS	GDA-20F / GDA-20FS
Power Supply	24VAC±10%, 50/60Hz or 24VDC±10%	
Power Consumption	1.5VA at stand-by 6.3VA at 10Nm torque 7.6VA at full load	1.9VA at stand-by 6.4VA at 10Nm torque 7.6VA at full load
Control Type	on-off(2-step) or floating(3-step)	
Rated Torque	10Nm(100Kg-cm)	20Nm(200Kg-cm)
Holding Torque	10Nm(100Kg-cm)	18Nm(180Kg-cm)
Running Time	13~15sec at no load 41~45sec at 10Nm load	23~25sec at no load 54~56sec at 20Nm load
Enclosure	Indoor use only	
Amb. Temp.	-15℃~50℃	
Angle of Rotation	90° (mechanically limited to 90° )	
Direction of Rotation	CW or CCW(selectable by internal selection switch)	
Electrical Connection	Built-in Terminal Block(for AWG18~26)	
Entry of Cable Gland	PF1/2" (CTG16) x 1ea	
Aux. Switches	GDA-10F :No GDA-10FS :2xSPST(250V,2A)	GDA-20F :NO GDA-20FS :2xSPST(250V,2A)
Weight &Dimension	1.3Kg, 94mm x 204mm x 63mm(W x L x H)	
Others	Direct mounting onto the damper shaft, Gear release button, One-touch cover, Overload/Over-current protection	



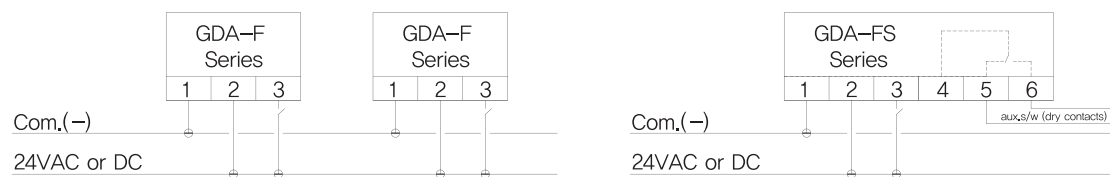
## Mounting notes

- 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)

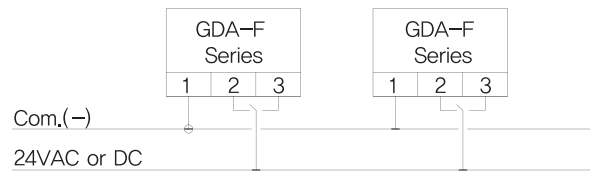


## Wiring Diagram

ex.1) on-off control(2-step control)



ex.2) floating control(3-step control)



## Dimensions

