



8-19

ON/OFF damper actuator ACT012 / 013



Features

- To operate damper for air-circulation and HVAC up to 3m² (Applicable damper size to be varied by its performance)
- ON-OFF type : 2-step(fully open or close) or 3-step(floating)
- Over-current circuit breaker to protect motor damage and save the energy in idle time
- Full-operation of damper with Torque limit-switching circuit for complete closing
- Terminal block and cable gland holder for easy wiring and clean finishing
- Changeable turning direction by switch without wiring modifications

Model Selection

MODEL	DESCRIPTION
ACT012-24	on-off 제어, 24VDC or AC, 50Hz / 60Hz, 20Nm Torque
ACT012-24S	on-off 제어, 24VDC or AC, 50Hz / 60Hz, 20Nm Torque, Auxiliary limit switch
ACT012H-24	on-off 제어, 24VDC or AC, 50Hz / 60Hz, 30Nm Torque
ACT012H-24S	on-off 제어, 24VDC or AC, 50Hz / 60Hz, 30Nm Torque, Auxiliary limit switch
ACT013-220	on-off 제어, 110~220VDC or AC, 50Hz / 60Hz, 20Nm Torque
ACT013-220S	on-off 제어, 110~220VDC or AC, 50Hz / 60Hz, 20Nm Torque, Auxiliary limit switch
ACT013H-220	on-off 제어, 110~220VDC or AC, 50Hz / 60Hz, 30Nm Torque
ACT013H-220S	on-off 제어, 110~220VDC or AC, 50Hz / 60Hz, 30Nm Torque, Auxiliary limit switch

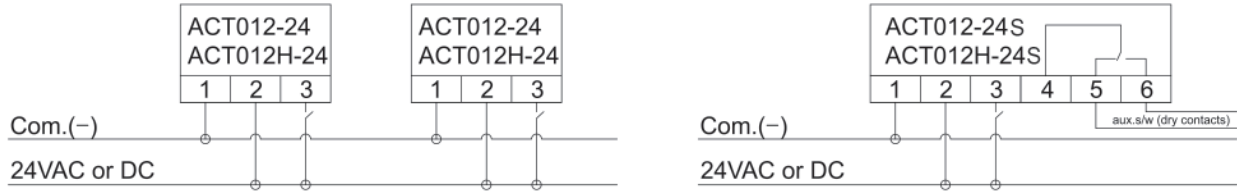
Technical Data

			ACT012-24 ACT012-24S ACT012H-24 ACT012H-24S	ACT013-220 ACT013-220S ACT013H-220 ACT013H-220S
Supply voltage			24VDC±10% or 24VAC±20%, 60Hz	110-220VDC or 110-220VAC, 60Hz
Consumption power	Idle time		1.4VA	2.0VA
	20Nm Model	Rated power	4.5VA	5.0VA
		Max. power	6.0VA	6.5VA
	30Nm Model	Rated power	8.0VA	8.5VA
		Max. power	9.5VA	10.0VA
Control type			on-off(2-step) or floating(3-step)	
Running Torque			20Nm/standard type, 30Nm/high torque type	
Holding Torque			20Nm / 30Nm	
Running time			80~150sec/standard type, 60~100sec/high torque type	
Ambient Temp.			-15℃ ~ 50℃	
Input signal			Same as supply voltage	
Feedback			"S" type : limit switch(2xSPST, 250V, 2A)	
Angle of rotation(travel)			90°(mechanical stop at 90°)	
Direction			CW/CCW(direction converting switch installed)	
Connection			Terminal block installed(AWG18~26)	
Cable entry			PF1/2" (CTG16) x 1	
Weight, Size			1.4kg, 120mm x 190mm x 67mm (W x L x H)	

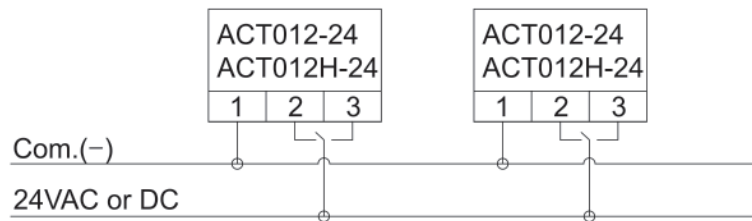
- "H" of model No. is high torque
- "S" of model No. is auxiliary contact switch
- Technical data can be changed without notice
- ACT-012, 013 Series can be connected up to 10 pcs in parallel

ACT012 Series Wiring Diagram

ex.1) ON-OFF control(2-step control)

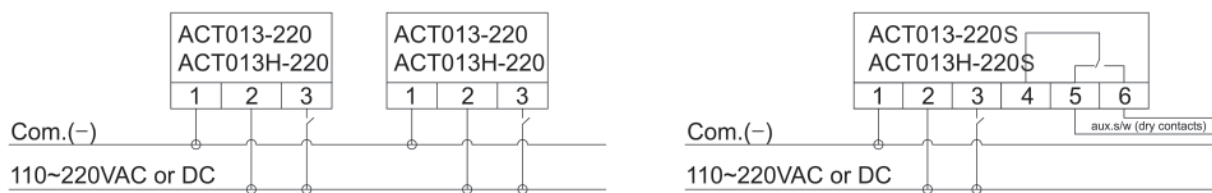


ex.2) floating control(3-step control)

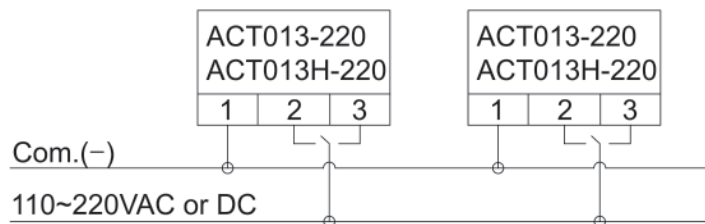


ACT013 Series Wiring Diagram

ex.1) ON-OFF control(2-step control)

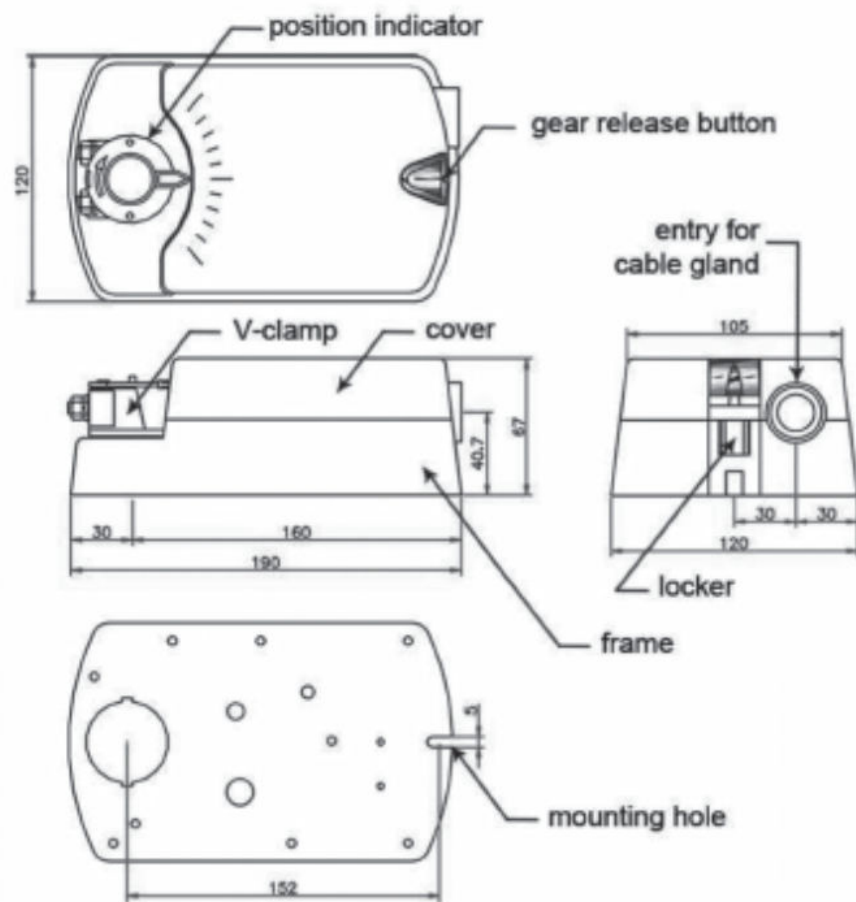


ex.2) floating control(3-step control)



Dimensions

▼ Damper actuator



▼ Universal bracket

