



DAMPER ACTUATORS, 2-, 3-POINT AND PROPORTIONAL CONTROL (32 Nm)

DAG, DMG

FUNCTION

2- and 3-point or modulating damper and VF series valve control.

APPLICATIONS

Well-suited for applications with medium or large dampers of ventilation and air handling systems.

TYPE	TORQUE Nm	POWER SUPPLY	RUNNING TIME sec.	POWER CONSUMPTION W (**)	ACTION
DAG24	32	24 Vac/dc	160	4,0 (0,5)	2-, 3-point
DAG24S	32	24 Vac/dc	160	4,0 (0,5)	2-, 3-point
DAG230	32	230 Vac	160	4,8 (1,2)	2-, 3-point
DAG230S	32	230 Vac	160	4,8 (1,2)	2-, 3-point
DMG24	32	24 Vac/dc	240	2,5 (0,3)	0(2)...10 Vdc - (0)4...20 mA
DMG24S	32	24 Vac/dc	240	2,5 (0,3)	0(2)...10 Vdc - (0)4...20 mA

(**) inside bracked power consumption at the end stops

S models with 2 SPDT auxiliary switches 3 (1.5) A 230 Vac

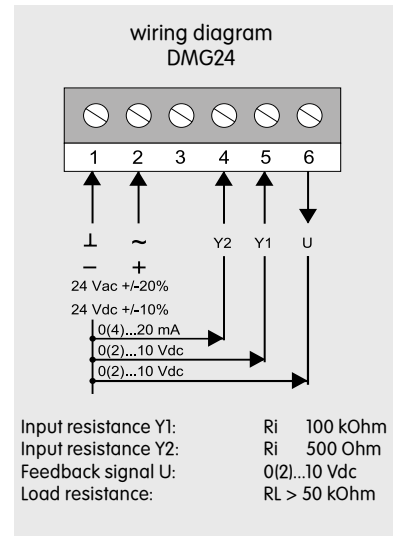
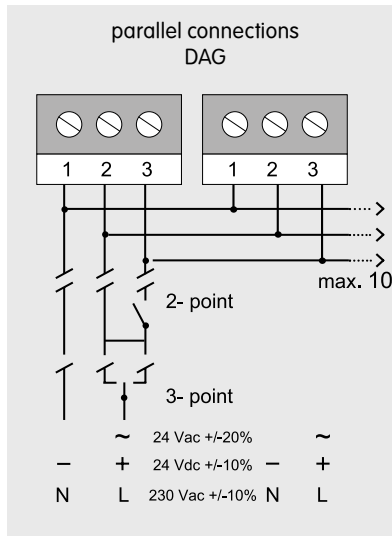
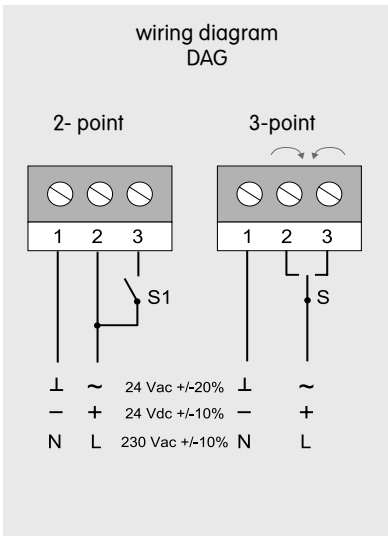
Actuator		DAG24	DAG230	DMG24
Damper area (*)	m ²	8	8	8
Torque	Nm	32	32	32
Stroke time	s	160	160	240
Power supply		24 Vac/dc	230 Vac	24 Vac/dc
Frequency	Hz	50...60	50...60	50...60
Power consumption				
- operating	W	4.0	4.8	2.5
- at end stops	W	0.5	1.2	0.3
Cable connection		0.75 mm ²	0.75 mm ²	0.75 mm ²
Weight	g	1100	1200	1200
Control signal	Y1	2-, 3-point	2-, 3-point	0(2)...10 Vdc
Control signal	Y2	-	-	(0)4...20 mA
Feedback signal	U	-	-	0(2)...10 Vdc
Aux. switches rating		3(1,5) A 230 Vac		
Rotation angle:				
- operating		0...90°		
- limitation		5...85° in 5° steps		
Protection class		II	II	II
Degree of protection		IP44 or IP54 with cable glands		
Room temperature		-20...+50°C	-20...+50°C	-20...+50°C
Room humidity		5...95% r.h.	5...95% r.h.	5...95% r.h.
Noise level		max 45 dB		
Standards		CE	CE	CE

(*) the indication of the damper area is not significant, the data that must be taken into account is the value of the torque in Nm.

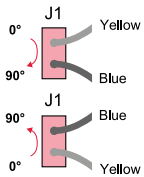


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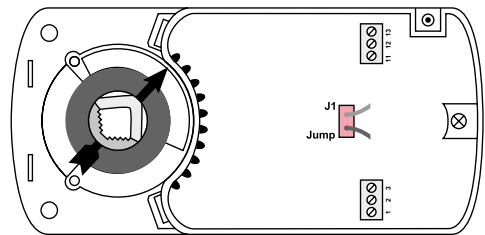
DAG, DMG



Direction of rotation setting DAG



The direction of rotation can be changed by reversing Jumper J1.

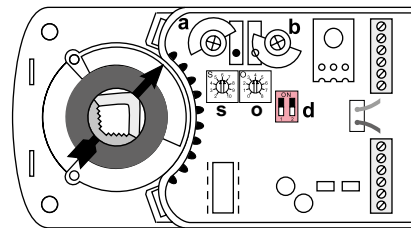
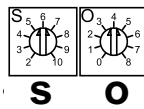


Control signal setting DMG

Trimmer **O** adjustment low point
 Trimmer **S** adjustment high point

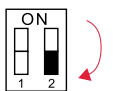
Examples: Input 0...10 V Input 2...10 V
 O=0 e **S**=10 **O**=2 e **S**=8

 Input 0...20 mA Input 4...20 mA
 O=0 e **S**=10 **O**=2 e **S**=8

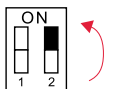


Direction of rotation setting DMG

Microswitch **d** position 2



clockwise



counterclockwise

Funzione di test DMG

Microswitch **d** position 1

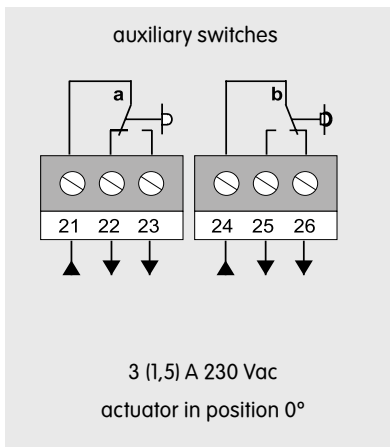


When moving switch 1 in ON position, the actuator will rotate from 0 to 90 degree and then will keep some seconds in 90 degree position and then will return in the original position. In normal function the switch 1 must be in OFF position.



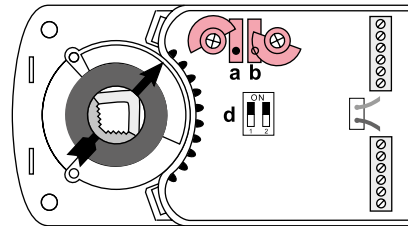
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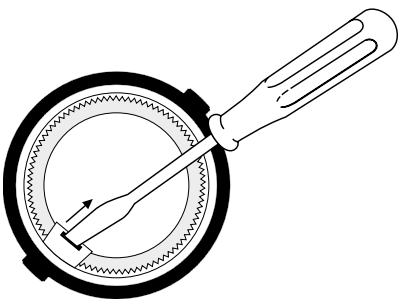


Auxiliary switches setting

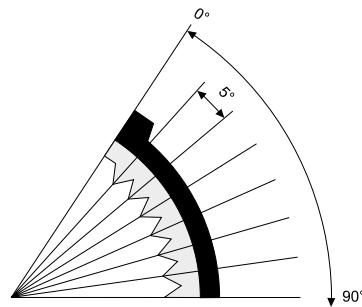
Factory setting:
switch a at 10°
switch b at 80°
The switching position can be changed manually.



Adapter release



Limitation of rotation angle



DIMENSIONS (mm)

