

5.3 Air damper actuators

Damper actuators for air damper sizes up to approx 1 m²

DIGICONTROL S-LM...



Valve drives for adjusting air valves in the building infrastructure ventilation and air conditioning systems.

TECHNICAL DATA

Air damper sizes	Up to approx. 1 m ²
Damper spindle	6...20 mm
Manual override	Gear disengagement with push button, can be locked
Connection	1 m connecting cable
Direction of rotation	Selectable with switch
Angle of rotation	Max. 95°, can be limited at both ends with adjustable mechanical end stops
Torque	5 Nm
Position indication	Mechanical, pluggable
Sound power level	≤35 dB(A) in case of 150 s
Protection class	IP54
Storage temperature	-40...+80 °C
Operating temperature	-30...+50 °C
Ambient humidity	95 % rh. (non-condensing)
Standards/rules/guidelines/ approvals	CE according to 2004/108/EC

TYPE LIST

TYPE	DATA SHEET	VOLTAGE	CONTROL. SIGN.	OPERATING RANGE	RUN. TIME
S-LM24A	84430.6	24 V AC/DC	Open-close or 3-point		150 s / 90°
S-LM230A	84430.8	230 V AC	Open-close or 3-point		150 s / 90°
S-LM24A-SR	84430.7	24 V AC/DC	0...10 V DC, 100 kΩ	0...10 V DC for 0...100 %	150 s / 90°
S-LM24A-MP	84430.5	24 V AC/DC	param.		150 s / 90°

ACCESSORY

TYPE	DESCRIPTION
S-S1A	Plug-in add-on limit switch (EPU), 1 mA ... 3 (0.5) A, 250 V AC, adjustable switching point 0...100 %
S-AV6-20	Axle extension, approx. 170 mm for valves axles Ø 6...20 mm, Ø extension 10 mm
S-P1000A	Plug-in feedback potentiometer 1000 Ω
S-S2A	2 plug-in add-on limit switches (EPU), 1 mA ... 3 (0.5) A, 250 V AC, adjustable switching point 0...100 %

Damper actuators for air damper sizes up to approx 2 m²**DIGICONTROL S-NM...**

Valve drives for adjusting air valves in the building infrastructure ventilation and air conditioning systems.

TECHNICAL DATA

Air damper sizes	Up to approx. 2 m ²
Damper spindle	8...26 mm
Manual override	Gear disengagement with push button, can be locked
Connection	1 m connecting cable
Direction of rotation	Selectable with switch
Angle of rotation	Max. 95°, can be limited at both ends with adjustable mechanical end stops
Torque	10 Nm
Position indication	Mechanical, pluggable
Sound power level	≤35 dB(A) in case of 150 s
Protection class	IP54
Storage temperature	-40...+80 °C
Operating temperature	-30...+50 °C
Ambient humidity	95 % rh. (non-condensing)
Standards/rules/guidelines/approvals	CE according to 2004/108/EC

**TYPE LIST**

TYPE	DATA SHEET	VOLTAGE	CONTROL. SIGN.	OPERATING RANGE	RUN. TIME
S-NM24A	84430.1	24 V AC/DC	Open-close or 3-point		150 s / 90°
S-NM230A	84430.4	230 V AC	Open-close or 3-point		150 s / 90°
S-NM24A-SR	84430.3	24 V AC/DC	0...10 V DC, 100 kΩ	0...10 V DC for 0...100 %	150 s / 90°
S-NM24A-MP	84430.2	24 V AC/DC	param.		150 s / 90°

ACCESSORY

TYPE	DESCRIPTION
S-S1A	Plug-in add-on limit switch (EPU), 1 mA ... 3 (0.5) A, 250 V AC, adjustable switching point 0...100 %
S-ZG-NMA	Mounting set for linkage actuation for flat and side mounting
S-AV8-25	Axle extension, approx. 250 mm for valves axles Ø 8 ... 25 mm, Ø extension 20 mm
S-P1000A	Plug-in feedback potentiometer 1000 Ω
S-S2A	2 plug-in add-on limit switches (EPU), 1 mA ... 3 (0.5) A, 250 V AC, adjustable switching point 0...100 %

5.3 Air damper actuators

Damper actuators for air damper sizes up to approx 4 m²

DIGICONTROL S-SM...



Valve drives for adjusting air valves in the building infrastructure ventilation and air conditioning systems.

TECHNICAL DATA

Air damper sizes	Up to approx. 4 m ²
Damper spindle	10...20 mm
Manual override	Gear disengagement with push button, can be locked
Connection	1 m connecting cable
Direction of rotation	Selectable with switch
Angle of rotation	Max. 95°, can be limited at both ends with adjustable mechanical end stops
Torque	20 Nm
Position indication	Mechanical, pluggable
Sound power level	≤45 dB(A) in case of 150 s
Protection class	IP54
Storage temperature	-40...+80 °C
Operating temperature	-30...+50 °C
Ambient humidity	95 % rh. (non-condensing)
Standards/rules/guidelines/ approvals	CE according to 2004/108/EC

TYPE LIST

TYPE	DATA SHEET	VOLTAGE	CONTROL. SIGN.	OPERATING RANGE	RUN. TIME
S-SM24A	84400.1	24 V AC/DC	Open-close or 3-point		150 s / 90°
S-SM230A	84400.5	230 V AC	Open-close or 3-point		150 s / 90°
S-SM24A-SR	84400.3	24 V AC/DC	0...10 V DC, 100 kΩ	0...10 V DC for 0...100 %	150 s / 90°
S-SM24A-MP	84400.2	24 V AC/DC	param.		150 s / 90°

ACCESSORY

TYPE	DESCRIPTION
S-S1A	Plug-in add-on limit switch (EPU), 1 mA ... 3 (0.5) A, 250 V AC, adjustable switching point 0...100 %
S-AV8-25	Axle extension, approx. 250 mm for valves axles Ø 8 ... 25 mm, Ø extension 20 mm
S-ZG-SMA	Mounting set for linkage actuation for flat and side mounting
S-P1000A	Plug-in feedback potentiometer 1000 Ω
S-S2A	2 plug-in add-on limit switches (EPU), 1 mA ... 3 (0.5) A, 250 V AC, adjustable switching point 0...100 %

Damper actuators for air damper sizes up to approx 8 m²**DIGICONTROL S-GM...**

Valve drives for adjusting air valves in the building infrastructure ventilation and air conditioning systems.

TECHNICAL DATA

Air damper sizes	Up to approx. 8 m ²
Damper spindle	10...20 mm
Manual override	Gear disengagement with push button, can be locked
Connection	1 m connecting cable
Direction of rotation	Selectable with switch
Angle of rotation	Max. 95°, can be limited at both ends with adjustable mechanical end stops
Torque	40 Nm
Position indication	Mechanical, pluggable
Sound power level	≤45 dB(A) in case of 150 s
Protection class	IP54
Storage temperature	-40...+80 °C
Operating temperature	-30...+50 °C
Ambient humidity	95 % rh. (non-condensing)
Standards/rules/guidelines/approvals	CE according to 2004/108/EC

**TYPE LIST**

TYPE	DATA SHEET	VOLTAGE	CONTROL. SIGN.	OPERATING RANGE	RUN. TIME
S-GM24A	84410.1	24 V AC/DC	Open-close or 3-point		150 s / 90°
S-GM230A	84410.4	230 V AC	Open-close or 3-point		150 s / 90°
S-GM24A-SR	84410.2	24 V AC/DC	0...10 V DC, 100 kΩ	0...10 V DC for 0...100 %	150 s / 90°
S-GM24A-MP	84410.5	24 V AC/DC	param.		150 s / 90°

ACCESSORY

TYPE	DESCRIPTION
S-S1A	Plug-in add-on limit switch (EPU), 1 mA ... 3 (0.5) A, 250 V AC, adjustable switching point 0...100 %
S-ZG-GMA	Mounting set for linkage actuation for flat and side mounting
S-P1000A	Plug-in feedback potentiometer 1000 Ω
S-S2A	2 plug-in add-on limit switches (EPU), 1 mA ... 3 (0.5) A, 250 V AC, adjustable switching point 0...100 %

5.3 Air damper actuators

Spring return actuators for air damper sizes up to approx 0,8 m²

DIGICONTROL S-LF...



Spring return valve drives for adjusting air valves in the building infrastructure ventilation and air conditioning systems.

TECHNICAL DATA

Air damper sizes	Up to approx. 0,8 m ²
Damper spindle	8...16 mm
Running time emergency control function	Approx. 20 s / 90°
Manual override	No manual override
Connection	1 m connecting cable
Direction of rotation	Can be selected by mounting L / R
Angle of rotation	Max. 95°, can be limited at both ends with adjustable mechanical end stops
Torque	4 Nm
Position indication	Mechanical, pluggable
Sound power level	Motor: ≤50 dB(A) in case of 75 s / Emergency control function: 62 dB(A)
Protection class	IP54
Storage temperature	-40...+80 °C
Operating temperature	-30...+50 °C
Ambient humidity	95 % rh. (non-condensing)
Standards/rules/guidelines/ approvals	CE according to 2004/108/EC

TYPE LIST

TYPE	DATA SHEET	VOLTAGE	CONTROL. SIGN.	OPERATING RANGE	POS FEEDB.	RUN. TIME
S-LF24-S	84325.1	24 V AC/DC	Open-close		Auxiliary switch, 1 x SPDT	40...75 s / 90°
S-LF230-S	84325.3	230 V AC	Open-close		Auxiliary switch, 1 x SPDT	40...75 s / 90°
S-LF24-SR	84325.2	24 V AC/DC	0...10 V DC, 100 kΩ	2...10 V DC for 0...100 %	2...10 V DC, max. 1 mA	40...75 s / 90°
S-LF24-MFT2	84325.5	24 V AC/DC	param.			150 s / 90°

ACCESSORY

TYPE	DESCRIPTION
S-AV6-20	Axle extension, approx. 170 mm for valves axles Ø 6...20 mm, Ø extension 10 mm

Spring return actuators for air damper sizes up to approx 4 m²**DIGICONTROL S-SF...**

Spring return valve drives for adjusting air valves in the building infrastructure ventilation and air conditioning systems.

TECHNICAL DATA

Air damper sizes	Up to approx. 4 m ²
Damper spindle	10...25,4 mm
Running time emergency control function	Approx. 20 s / 90°
Manual override	Hand crank
Connection	1 m connecting cable
Direction of rotation	Can be selected by mounting L / R
Angle of rotation	Max. 95°, can be limited at both ends with adjustable mechanical end stops
Torque	20 Nm
Position indication	Mechanical, pluggable
Sound power level	Motor: ≤45 dB(A) in case of 75 s / Emergency control function: 62 dB(A)
Protection class	IP54
Storage temperature	-40...+80 °C
Operating temperature	-30...+50 °C
Ambient humidity	95 % rh. (non-condensing)
Standards/rules/guidelines/approvals	CE according to 2014/30/EU

**TYPE LIST**

TYPE	DATA SHEET	VOLTAGE	CONTROL. SIGN.	POS FEEDB.	OPERATING RANGE	RUN. TIME
S-SFA-S2	84340.3	AC 24...240 V DC 24...125 V	Open-close	Auxiliary switch, 2 x SPDT		75 s / 90°
S-SF24A	84340.1	24 V AC/DC	Open-close			75 s / 90°
S-SF24A-S2	84340.2	24 V AC/DC	Open-close	Auxiliary switch, 2 x SPDT		75 s / 90°
S-SF24A-SR	84340.4	24 V AC/DC	0...10 V DC, 100 kΩ	2...10 V DC, max. 1 mA	2...10 V DC for 0...100 %	75 s / 90°
S-SF24A-MP	84340.6	24 V AC/DC	param.			150 s / 90°

ACCESSORY

TYPE	DESCRIPTION
S-ZG-AFB	Mounting set for linkage actuation for flat and side mounting
S-AV8-25	Axle extension, approx. 250 mm for valves axles Ø 8 ... 25 mm, Ø extension 20 mm