



DAMPER ACTUATORS, 2-, 3- POINT AND PROPORTIONAL CONTROL (30 Nm)

DB-DAG, -DMG

FUNCTION

2- and 3- point or modulating damper control.
Rotation angle adjustable with 2 internal switches for DB-DAG230 model and electronic stroke limit control for DB-DAG24 and DB-DMG24 models

APPLICATIONS

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

| TYPE | POWER SUPPLY | SIGNAL CONTROL |
|------------------|--------------|----------------|
| DB-DAG24 | 24 Vac/dc | 2-, 3- point |
| DB-DAG230 | 230 Vac | 2-, 3- point |
| DB-DMG24 | 24 Vac/dc | 0...10 Vdc |

Optional:

-S2 with 2 auxiliary switches (2-3- point, not for DB-DMG)

| Actuator | DB- | DAG24 | DAG230 | DMG24 |
|-----------------------|----------------|---------------------|------------------------------|----------------|
| Damper area (*) | m ² | 6 | 6 | 6 |
| Torque | Nm | 30 | 30 | 30 |
| Power supply | V | 24 Vac/dc ±20% | 230 Vac ±15% | 24 Vac/dc ±20% |
| Frequency | Hz | 50...60 | 50 | 50...60 |
| Power consumption | | 24 Vac/dc | 230 Vac | proportional |
| 60...100 sec. / 90° | VA | 4.5 W / 8 VA | 2.5 W / 4.0 VA (**) | 5.0 W / 8.0 VA |
| Cable connection | | | 0.9 m / 0.75 mm ² | |
| Running time | s | 60...100 | 230 | 60...100 |
| Weight | g | 1500 | 1500 | 1500 |
| Control signal | | 2-, 3- point | 2-, 3- point | 0...10 Vdc |
| Angle-of-rotation: | | | | |
| - working range | | 90° | 90° | 90° |
| Auxiliary switches | | 3(1.5) A / AC 230 V | 3(1.5) A / AC 230 V | - |
| Direction of rotation | | bidirectional | bidirectional | bidirectional |
| Protection class | | III | II | III |
| Degree of protection | | IP54 | IP54 | IP54 |
| 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. |
| Maintenance | | free | free | free |
| Standard | | 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 N.m

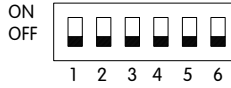
(**) 3.5 W (5.0 VA) -> DB-DAG230/2



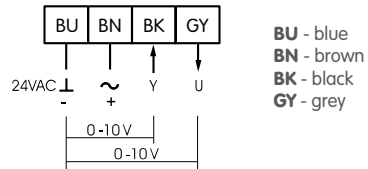
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DIPswitch setting

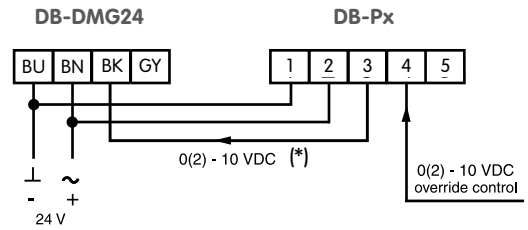


0...10 Vdc control

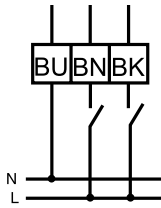


| | OFF | ON |
|--------------------------|--------|--------|
| input voltage Y | | |
| 2...10 Vdc (standard) | 1, 2 | - |
| 0...10 Vdc | 2 | 1 |
| 4...20 mA | 1 | 2 |
| 0...20 mA | - | 1, 2 |
| feedback signal U | | |
| 2...10 Vdc (standard) | 4, (1) | 3 |
| 0...10 Vdc | 4 | 3, (1) |
| 15 Vdc / 5 mA | 3, 5 | 4 |
| 10 Vdc / 5 mA | 3 | 4, 5 |

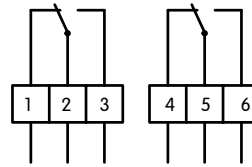
Electrical wiring



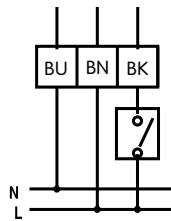
(*) for up to 10 actuators (tol. < 10%)



3- point control (only DB-DAG)



control with 2 auxiliary switches (only DB-DAG)



2- point control (only DB-DAG24)

