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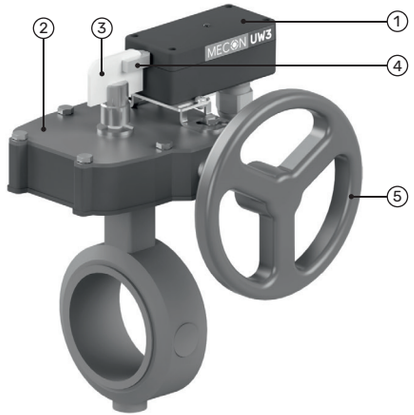
SAFETY INSTRUCTIONS

- » *Installation, commissioning and maintenance shall only be carried out by qualified persons.*
- » *Work on the electrical connections may only be carried out by persons who are qualified and authorized for these activities.*
- » *Do not activate the power supply until the installation is completed.*
- » *The power supply must be disconnected during maintenance work.*
- » *Warning! No external loads may act on the devices.*



1. Supervisory switch UW3
2. Butterfly valve (BFV) gear box
3. Position Indicator flag
4. Magnet holder with inserted disc magnet
5. Handwheel

Fig. 1: Components and assembly BFV open valve

Download product files:
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ZB-UW3B0# *Mounting Kit*

INSTALLATION INSTRUCTIONS
Supervisory Switch BF valve
Global Safety Products / Tyco

BO-G310 / BO-G310T /
BFV-300 / BFV-300C
DN 50 - DN 300

FM APPROVED

www.mecon.de

DESCRIPTION

All UW3 devices detect malicious manipulation of control valves and tampering of the UW3 housing. They notify the associated fire alarm panel either by means of operating a potential-free contact (UW30-C and UW30-CE5) or signaling over the respective loop protocol (UW30-AE5 devices).

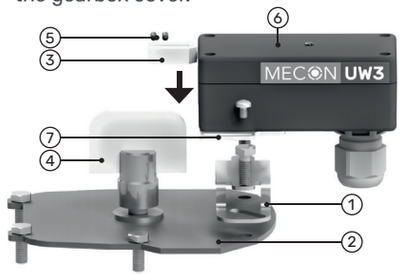
Correct mounting of the monitoring unit results in no alarm, LED is off.

Fig. 2: BFV closed valve

SEQUENCE OF INSTALLATION

The installation on the BFV is carried out by using the enclosed fastening material.

1. Return the valve to its correct position.
2. Carefully loosen the necessary screws of the gearbox cover.



① Sheet metal holder
② Gearbox cover (not included in the scope of delivery)
③ Magnet holder with inserted disc magnet
④ Position indicator flag
⑤ M3x8 Screws
⑥ Supervisory switch UW3
⑦ Adapter plate UW3

Fig. 3: Components and assembly

3. Chose the sheet metal holder ⑯ / ⑯ according to your correct valve position.

⑯ Sheet metal holder open valve
⑯ Sheet metal holder closed valve

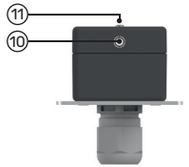
Fig. 4: Sheet metal holders open and closed valve

4. Place the sheet metal holder ① on the gearbox cover ② and secure it with the existing screws. Tighten the screws.
5. Fasten the magnet holder ③ to the position indicator flag ④ using the enclosed M3x8 screws ⑤.
6. Wire the UW3 ⑥ according to the UW3 installation instructions.

⑧ Longholes
⑨ M4x6 screws

Fig. 5: Correct alignment of all components

7. Fasten the UW3 with pre-installed adapter plate ⑦ to the sheet metal holder by using the longholes ⑧ and the enclosed M4x6 screws ⑨.



⑩ Marking for magnet position
⑪ LED

Fig. 6: Supervisory switch with marking for switching position

8. Align the marking of the UW3 ⑩ to the pre-installed magnet holder at the position indicator flag.
   Make sure that the marking and the magnet are aligned to each other.
   The maximum tightening torque of 10 Nm must be adhered!
9. Mount the installed monitoring unit so that the switch is actuated, no trouble alarm at the fire alarm panel, LED ⑪ is off.
10. Check the correct alignment of the switch by operating the valve and observing the fire alarm control panel at the same time.
    An alarm will be triggered and the LED will switch on.
11. If necessary, move the magnet holder again for final positioning and repeat the installation from step 8.

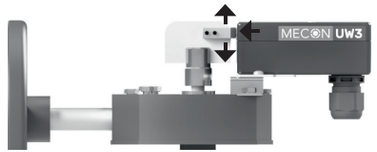


Fig. 7: Final positioning of the magnet holder

12. To deactivate the alarm, return the valve to its correct position again.
13. If the alarm cannot be deactivated by operating the valve, the fault must be reset in the fire alarm control panel.