

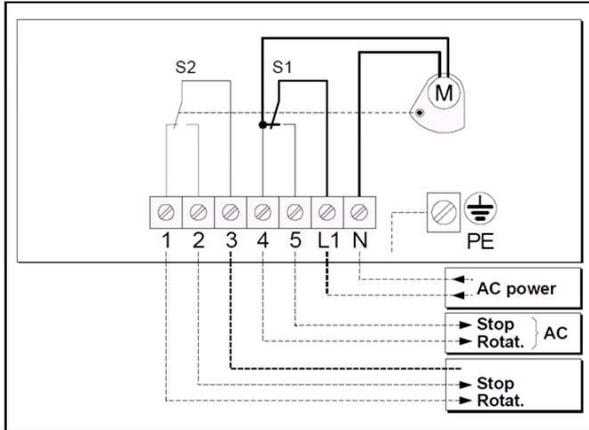
MBA 20

Level indicator

User Manual



4.1 Standard version for AC



Status contacts

S1 and S2 are directly actuated by the motor mechanism. S1 carries the power supply; S2 is potential-free.

Permissible contact loadings:

AC: 250 VAC / 10 A
DC: 250 VDC / 0,25 A

Mains connection

Connect the mains supply line to terminals L1 and N (via an external fuse). Connect the protective earth (PE) conductor to the corresponding terminal in the housing.

Permissible contact loadings:

AC: 250 VAC / 10 A
DC: 250 VDC / 0,25 A

Mains connection

Connect the power supply from the mains to terminals [+], [-] and PE (earth conductor). Check for triggering by the bulk material

Procedure

While visually watching the bulk material level, fill and empty the bulk materials container up to the MBA unit, and check that the indicating function is correctly triggered. This test should be made several times. If the MBA unit does not correctly indicate the level status, check the options for mechanical adaptation (see below) and carry them out if necessary.

Possible ways of adapting the unit

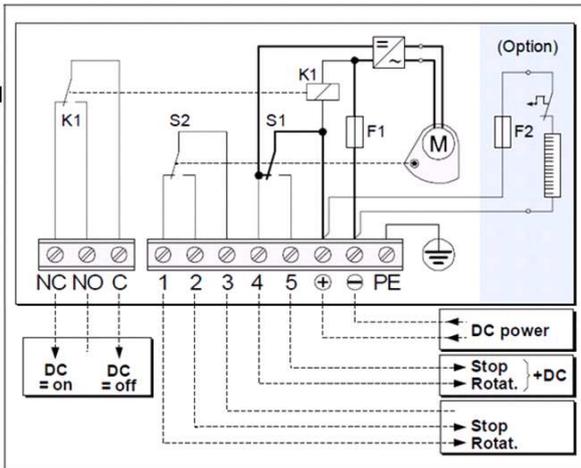
Change the paddle:

- To make it more sensitive (for lighter bulk material): Install a bigger paddle.
- To make it less sensitive: Install a smaller paddle.

Changing the lever arm of the spring (see illustration):

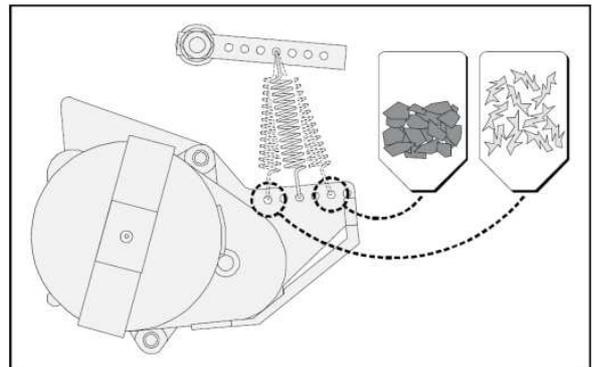
- To make it more sensitive (for lighter bulk material): Bring the spring to a position closer to the shaft (= shorter lever arm).
- To make it less sensitive: Bring the spring to a position further from the shaft (= longer lever arm).
- Changing the spring: If required, install a stronger or weaker spring (3 different types available).

4.2 Standard version for DC



Status contacts

S1 and S2 are directly actuated by the motor mechanism. S1 carries the power supply; S2 is potential-free. K1 is activated when in an operational state and drops out if the power supply inside the unit fails.



MBA 20

Document-Information

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Manufacturer:

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