

V MMAG FDCU

Magnet module with FDCU

K9-E 07/2013

PRODUCT PRESENTATION

The magnet unlocks the mechanism MMAG via remote control by sending an electric impulse (VD) or by interruption (VM) of the magnets power supply. The unlocking of the mechanism unwinds an armed internal torsion spring and thereby releases the damper blade into its safety position.

The beginning and end of range switch FDCU indicates the open or closed position of the damper.

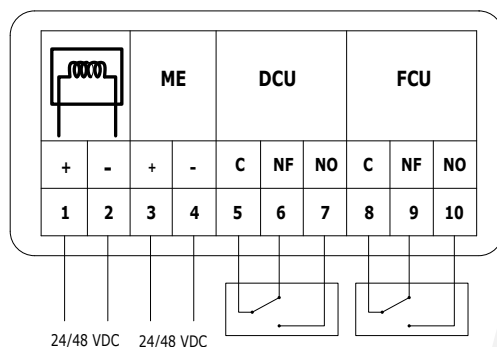
LIST OF PARTS

| Description | Characteristics | Quantity |
|------------------------------------|-----------------|----------|
| Magnet module | VD MMAG | 1 |
| | VM MMAG | |
| Installation screws magnet module | EJOT-PT k35x12 | 3 |
| Printing plate | FDCU MMAG | 1 |
| Large cable gland | PG13 | 1 |
| Small cable gland | PG09 | 1 |
| Label "KIT" (yellow) | ETIK-D042 | 1 |
| Installation screws printing plate | EJOT-PT K35x12 | 2 |

DETAILED CHARACTERISTICS

| V MMAG FDCU | |
|---------------------|-----------------------------------|
| Power supply | 24/48 VDC (automatic switch) |
| Capacity | P=1.9W max (VM) P=3.5W max (VD) |
| Position switch | 1mA...500mA, DC 5V...AC 48V |
| Cable entrance | PG13 and PG9 |
| Ambient temperature | -30°C up to 50°C |
| Maintenance | Maintenance free |

ELECTRICAL WIRING DIAGRAM



ME: Rearmation motor

DCU: Unipolar beginning of range switch

FCU: Unipolar end of range switch

APPLICATIONS





OPERATION

MMAG

Manual rearmament (standard MMAG):

Turn the rearmament handle (1) clockwise or use a hex key 10

Motorized rearmament (kit ME MMAG):

1. Switch off the power supply for at least 10 sec.
2. Power the actuator for at least 30 sec. (respect the prescribed voltage and polarity).
3. The rearmament stops automatically if a torque $> 15 \text{ Nm}$ is detected

! Switch off the power supply after rearmament.

! Switch off the power supply for at least 15sec. in between each rearmament cycle.

Manual unlocking (standard MMAG):

Use the unlocking button (2)

Remote controlled unlocking (kit VM/VD MMAG FDCU):

By sending an electrical impulse (VD) or by interrupting (VM) the power supply to the magnet's entrance of the FDCU circuit board.

Automatic unlocking:

When the fusible link melts at 72° C .

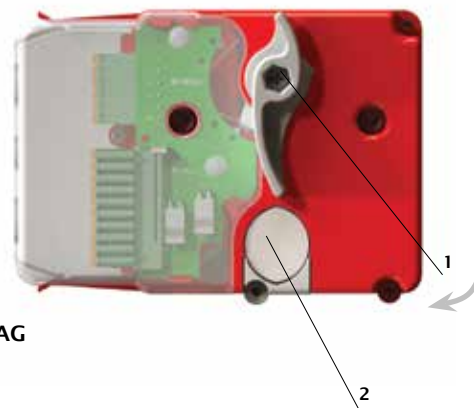
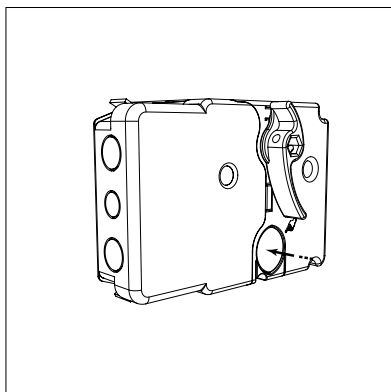


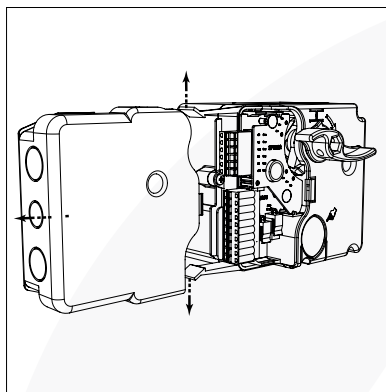
Fig. MMAG

MOUNTING AND DISMANTLING

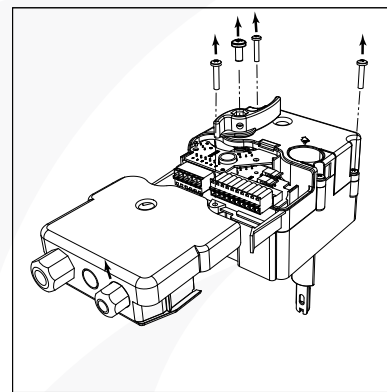
Dismantling of the magnet module



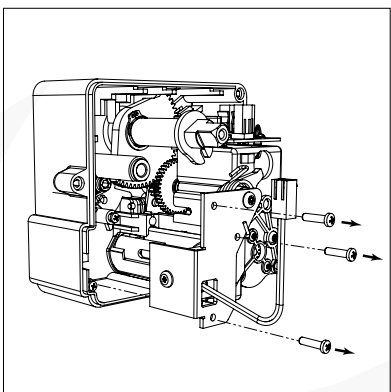
1. Unlock the current mechanism.



2. Loosen up the lid and remove it.



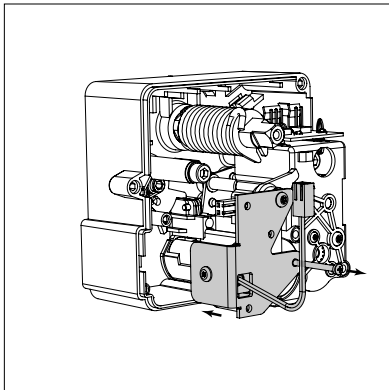
3. Unscrew the 4 installation screws of the cover and remove the cover.



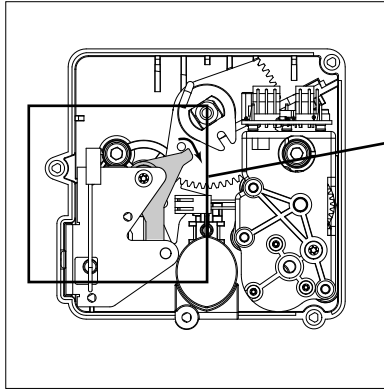
4. Unscrew the 3 installation screws and remove the current magnet module.



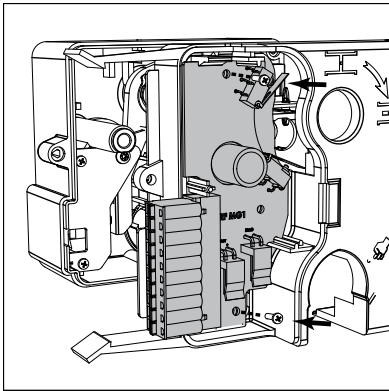
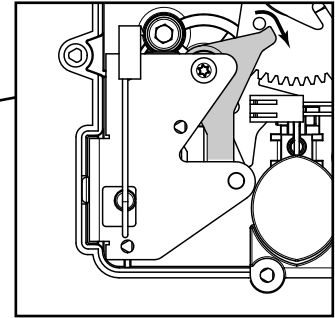
Mounting of the magnet module and printing plate



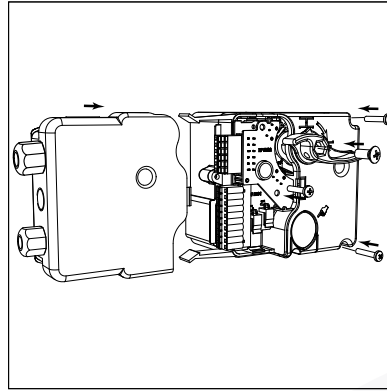
5. Screw the new magnet module on the provided location and remove the bolt.



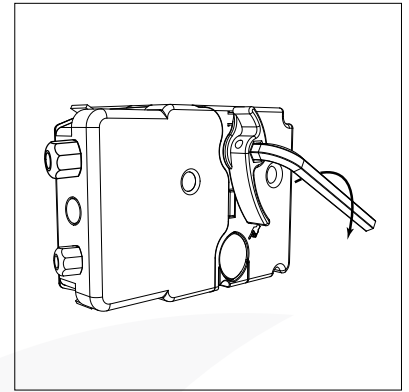
6. Pay attention that the lever is situated at the correct side of the pin..



7. Screw the FDCU print on the provided location on the lid.
8. Plug the connector of the magnet in the FDCU print.



9. Mount the cover and screw it with the 4 screws.
10. Mount the cable glands in the lid and click it on the cover.



11. Test the good functioning of the mechanism.
12. Attach the label 'KIT' and fill in the necessary information.

If the damper is manipulated in any other way than described in this manual, Rf-Technologies will decline any responsibility and the guarantee will immediately expire!