

ME MANF

Rearmation motor for MANF + MANF EVO

K107-C 05/2012

PRODUCT PRESENTATION

The electric rearmation motor arms the smoke evacuation damper by remote control. When the rearmation motor is set under current, the mechanisms main axis moves the operation lever till the damper blade arrives in its stand-by position (closed).

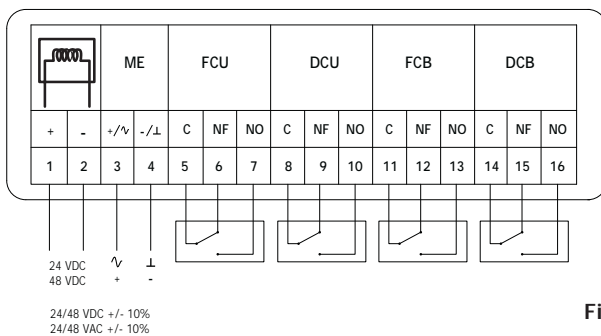
LIST OF PARTS

Description	Characteristics	Number
Rearmation motor	ME	1
Fastening screws	DIN 7985 M5x6	2
Lock washer	DIN 6798 M5	2
Label 'KIT' (yellow)	ETIK-D042	1

DETAILED CHARACTERISTICS

	ME MANF (EVO)
Power supply	24VDC/24VAC/48VDC/48VDC
Power consumption	24V: P _{max} =20W / 48V: P _{max} =40W
Running time motor	<30s
Noise level motor	Max. 50dB[A]
Maintenance	Maintenance free
Ambient temperature	-30°C until 50°C

ELECTRICAL WIRING DIAGRAM



- ME: Rearmation motor
- DCU: Unipolar beginning of range switch
- FCU: Unipolar end of range switch
- DCB: Bipolar end of range switch (option)
- DCB: Bipolar beginning of range switch (option)

Fig. MANF (EVO) (+ ME)

APPLICATIONS MANF (EVO)



OPERATION MANF (EVO)

MANF (EVO)

Manual rearmation:

Turn 90° with a Torq key 13 mm (1)

ATTENTION: An electromagnet (VM) needs power supply for rearmation.

Motorized unlocking:

1. Switch off the power supply for at least 10 sec.
2. Supply the actuator for at least 30sec. (respect the prescribed voltage).
3. The rearmation stops automatically:
 - when detecting a torque > 20 Nm
 - ! Switch off the power supply after rearmation
 - ! Switch off the power supply for at least 15 sec. in between each rearmation cycle.

Manual unlocking:

Use the unlocking button (2)

Remote controlled unlocking:

By sending an electrical impulse (VD) or by interrupting the power supply (VM) to the magnet.

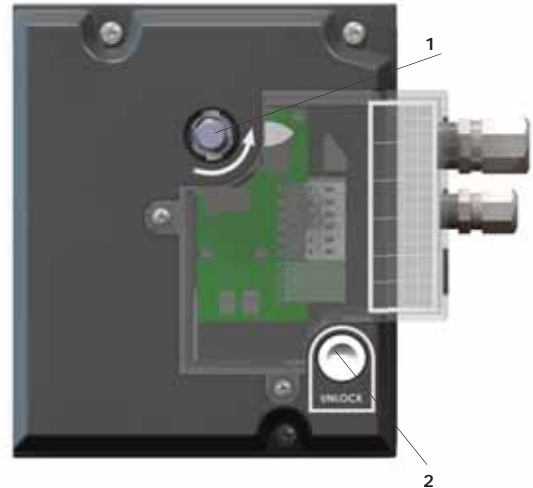
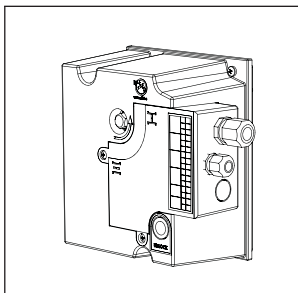


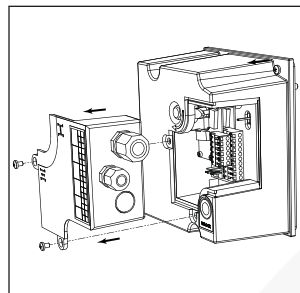
Fig. MANF (EVO)

MOUNTING AND DISMANTLING

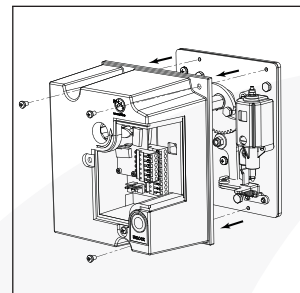
Dismantling of the motor



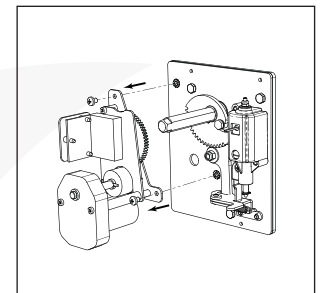
1. Unlock the mechanism.



2. Remove cover.
3. Disconnect electric wires.

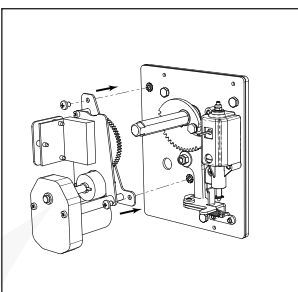


4. Remove protection cover.

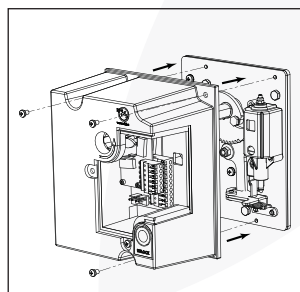


5. Remove the current motor

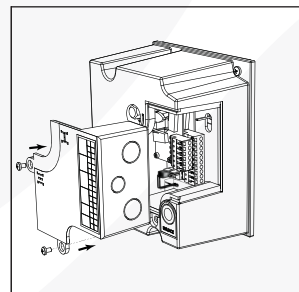
Mounting of the motor



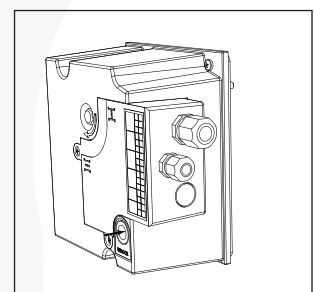
6. Mount the rearmation motor.



7. Place protection cover.



8. Connect motor and magnet to the print.
9. Connect all electric wires.
10. Place cover.



11. Test the good functioning of the mechanism.
12. Apply 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!