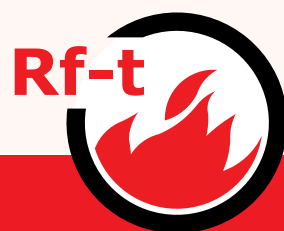


1.



2.



CFTH

Mechanism CFTH with end of range switch FCU

K1-C 06/2013

PRODUCT PRESENTATION

The unlocking CFTH mechanism closes the damper blade automatically when the temperature in the duct rises above 72°C. Due to the rise in temperature the fusible link melts. This causes an armed internal torsion spring to unwind and release the damper blade into its safety position (closed).

The well functioning of the damper can be tested periodically through a manual unlocking and manual rearmation. The safety position can be indicated by means of an end of range switch FCU.

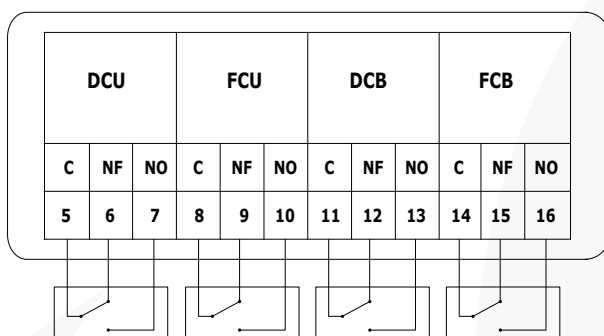
LIST WITH PARTS

	Description	Characteristics	Number
1	CFTH mechanism with end of range switch FCU	CFTH FCU	1
2	Fixing screws	DIN 931 M6 x 65	3
	Label 'KIT' (Yellow)	ETIK-D042	1

DETAILED CHARACTERISTICS

	CFTH
Running time spring return	1s
Weight	2kg
Position switches	1mA...6A, DC 5V...AC 250V
Duration test	150 cycles
Protection classe	IP 42
Ambient temperature	-30°C to 50°C
Maintenance	Maintenance free
Reaction temperature fusible link	72°C

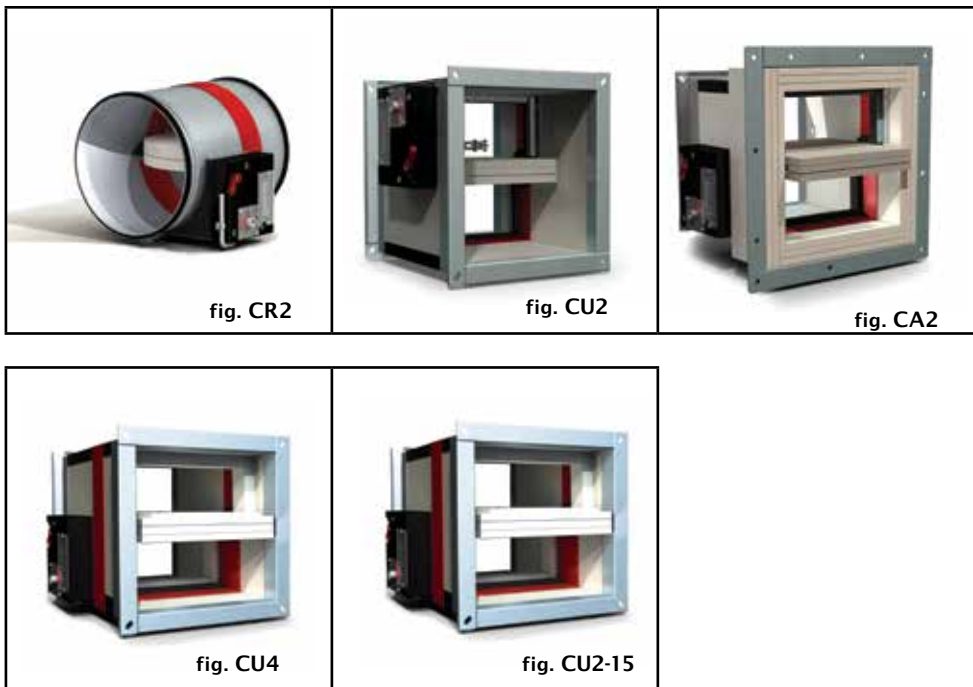
ELECTRICAL CONNECTIONS



- DCU: Beginning of range unipolar switch (option)
- FCU: End of range unipolar switch
- DCB: Beginning of range bipolar switch (option)
- FCB: End of range bipolar switch (option)

Fig. CFTH

APPLICATIONS CFTH



OPERATION CFTH

Manual rearmation:

Use the enclosed hex key and turn clockwise (2)

Manual unlocking:

Use the unlocking button (1)

Automatic unlocking:

When the fusible link melts at 72°

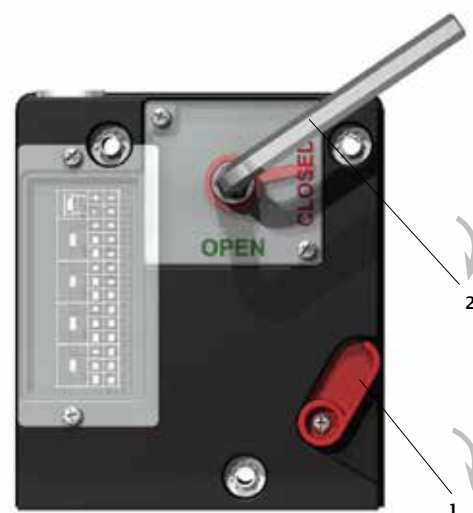
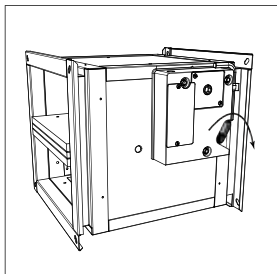


Fig. CFTH

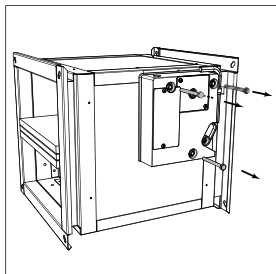


MOUNTING

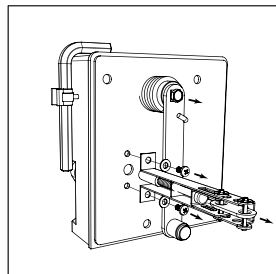
Dismantling of the mechanism



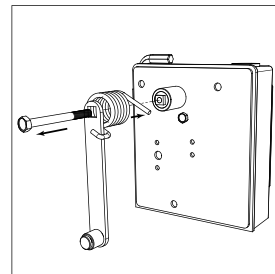
1. Disconnect signalisation cables.
2. Unlock the mechanism.



3. Remove 3 hexagonal screws.
4. Remove the mechanism from the damper.

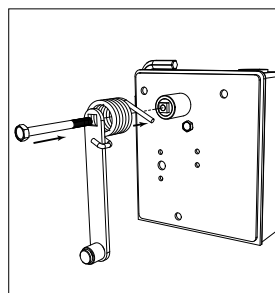


5. Unscrew the fusible link and put aside.

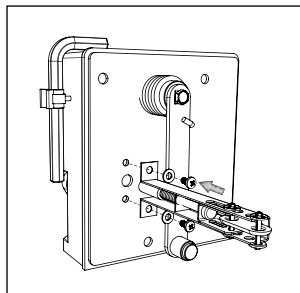


6. Unscrew the operating arm and spring and put aside.

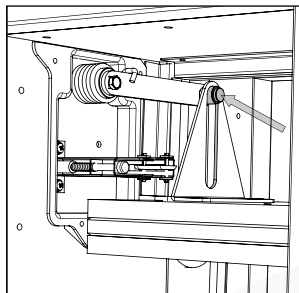
Mounting of the mechanism



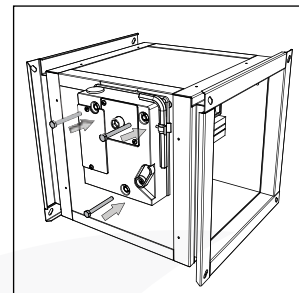
1. Mount the operating arm and spring on the new mechanism.
2. Tighten the operating spring behind the bolt on the base plate.



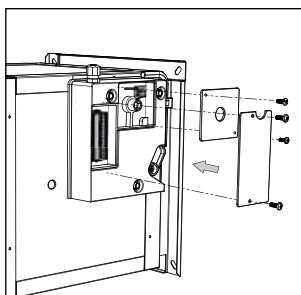
3. Mount the fusible link.



4. Mount the mechanism on the damper. Make sure the operating arm is fitted in the transmission arm.



5. Mount the mechanism on the tunnel of the damper with 3 hex screws. Use the lower holes in the tunnel.
6. Connect the end of range switch.



7. Test the mechanism.
8. Apply the yellow label 'KIT' and fill in the information.