

DUAL-ZONE CO²

Technical File
NF006 G



NF - Control devices
for Fire Safety Systems
www.marque-nf.com



COFBI60



COFBI70

COFBI60 - COFBI70

Description - General information

MCS/SCP control panel with pneumatic evacuation for single use PSC

Smoke exhaust control box with metal casing in red.

Device consisting of 2 pin hammers for opening and 1 pin hammer for closing.

Automatic drainage system.

The casing can be dismantled (screw 1/4 turn) to facilitate installation.

On the front, a plastic ejection flap gives access to the pin hammer. (Depending on the model)

Clip-on mounting (no tools needed) of an electric or pneumatic DCM.

Locked with a safety key.

Space for spare cartridges.

Delivered with plastic seal.

Pre cut-out for trunking or pipes



Casing can be dismantled



Clip-on module



Boss on rear



Casing lock



Product delivered with markings translated

Product identification

<p>Tel: +33 (0)2 43 60 78 60 F: 72400 La Ferté Bernard Manufacturer's n° : 07 ETI 00232</p>	<p>Information on label (from top to bottom)</p> <ul style="list-style-type: none"> - Manufacturer's name - Manufacturer's number - Certification body - Module possible - Article code - Lot number - DCM output pressure (in use)
	<p>COFBI60</p> <p>Lot n° : 14/C</p> <p>Output pressure (in use) : 3 to 20 bar</p>

Electric DCMs	
Ref.	Type
MOD24E (M1)	24Vcc - 3.5W - Transmission mode
MOD24R (M2)	24Vcc - 1.8W - Break mode
MOD48E (M3)	48Vcc - 3.5W - Transmission mode
MOD48R (M4)	48Vcc - 1.8W - Break mode

Pneumatic DCM	
Ref.	Type
MODP (M5)	Pressure: 6 to 20 bar

NF - Control devices for F.S.S.
This mark certifies :
- conformity to the norm NF S 61-938 for S.C.P.s
- the values of the characteristics given in this technical file.
Certification Body
AFNOR Certification - 11 Rue F. de Pressensé
93571 LA PLAINE SAINT DENIS CEDEX



Cartridges must be screwed in place manually.

Dimensions

COFBI60		COFBI70	
<p>Maximum grammage</p> <p>Closing: 300g</p> <p>Opening: Z1 200g, Z2 200g</p>	<p>Between fixings</p> <p>COFBI60</p> <p>430</p> <p>Screw Ø6</p> <p>272</p>	<p>Maximum grammage</p> <p>Closing: 500g</p> <p>Opening: Z1 300g, Z2 300g</p>	<p>Between fixings</p> <p>COFBI70</p> <p>430</p> <p>Screw Ø6</p> <p>332</p>
<p>COFBI60</p> <p>L : 340</p> <p>H : 530</p> <p>D : 110</p>		<p>COFBI70</p> <p>L : 400</p> <p>H : 530</p> <p>D : 110</p>	<p>COFBI70</p> <p>L : 400</p> <p>H : 530</p> <p>D : 110</p>

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www.dupuy-equipements.com

COFBI60 - COFBI70

REMINDER :

Height of installation: § 9.1 of the NFS 61-932
The safety device to be used should be fitted at a height of between 0.90m and 1.30m from the ground.

Pipes and connections: § 7.2 of the NFS61-932

Pipes should be made entirely of copper or stainless steel. Connections should be airtight, metal against metal.

Pneumatic piping should run through the interior of the building, to avoid the risk of freezing.

Performance and testing: § 6.4 of the NFS61-932

The calculation to define the capacity required should be based on the characteristics of the components of the system to be fed and should take into account the characteristics of the circuit.

The pressure should be checked using a specialised tool (for example a pressure gauge) in order to make sure that the pressure present in the circuit corresponds to this calculation. In addition, this tool will check the airtightness of the circuit.

Installation

Lift off the casing.

Check that the wall or hanging surface is completely flat, in order to ensure that the box is fitted correctly.

Fix the back of the box to the wall or hanging surface.

Connect the box to the copper circuit.

Put the pipe into the joint, tighten manually and then with a spanner, until it is secure. (1.5 turns maximum)

Testing

NOTE : In order to check the quincuncial distribution of the outlets, lift off the handle which connects the 2 opening control devices and trigger them individually.

Lift up the pin hammer levers.

Screw the CO² cartridges in place MANUALLY.

Carry out the manual or distance controlled triggering action (if DCM is installed) for opening.

Carry out closing procedure.

Proceed to the resetting of the box. (See opposite)

Installation (continued)

Use the pre cut-out on the cover to pass through the pipe.

Place the pipe cover on the casing.

Attach the casing to the back and screw on the clips with a 1/4 turn.

Insert the cartridges into the box. (for use and spares).

Close the door.

Fix the seal in place.

Connection of DCMs

See corresponding technical files.

SMOKE EXHAUST Use

In the case of a fire, push open the ejection flap and pull down the pin hammer lever.

The 2 zones are triggered simultaneously.

To close, open the door with the safety key, then push down the close lever

(Lever marked CLOSE in blue)

Maintenance

THE PRODUCT, every 6 months.

Check that everything is in good working order.

Check the condition of the pins.

INSTALLATION, see according to norm NFS61-933

Resetting

DCM

Make sure that the DCM command is switched off :

if modules M1 to M4 are in place :

Electric DCM line :

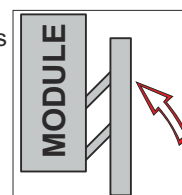
Power on in Break mode

Power off in Transmission mode

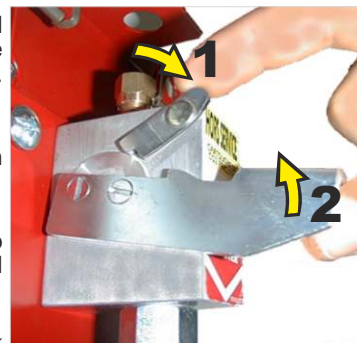
if module M5 is in place :

pneumatic DCM line **pressure off.**

Reset the DCM by raising the front cover up and pushing it back into place.



Push back the small blocking bar (1) and raise the lever (2) up to the top. (See opposite)



Repeat this procedure with the close pin hammer.

Insert new cartridges into the box. (for use and spares).

Put the ejection cover back in place.

Close the door and secure with a new seal.

Easy installation, useful material

To carry out the installation of this product, you will need the following :

Pressure control kit	KIP01
Copper piping	TCB506
Copper reel	TCC2506
Straight joint	RAU2621
T joint	RAU2623
Elbow joint	RAU2622
Steel piping	TAT2508
Metal trunking	GM201
CO ² Cartridge	CARDE50.....
DCM	MOD...
Pressure indicator box	BIP02



BIP02
with 2 pressure gauges
for Dual-zone box.

Technical Characteristics

Material	: Steel, brass, aluminium.
Protection	: Zinc coating, RAL3000
Safety measures	: To be handled with the fingers.
Force to be applied	: < 5 daN.
Protection index	: IP42.
Energy	: Co ² or inert gas.
DCM exit	: Olive screw connection
Temperature during use	: + 5°C to + 50°C
Pressure	: operating = 3 to 20 bar in use = 60 bar during testing = 90 bar.
CO ² cartridge pitch	: 15 x 125
DCM connection	: - electric (see : file NF012) Running factor : 100 % at a temperature of 20°C ± 5°C Voltage (Un) : 24 or 48 volts continuous current SELV Consumption at nominal voltage (Un) : 3,5 W (24 or 48 volt c.c. transmission) 1,8 W (24 or 48 volt c.c. break) - pneumatic (see : file NF013) Consumption : 0,01 normo-litre. Pressure of DCM : Minimum = 6 bar - Maximum = 20 bar.
Options	: Stopped solution 1510, ref.: KIT2PC211.
Precautions	: Stock and install away from bad weather conditions.

