Electric Module

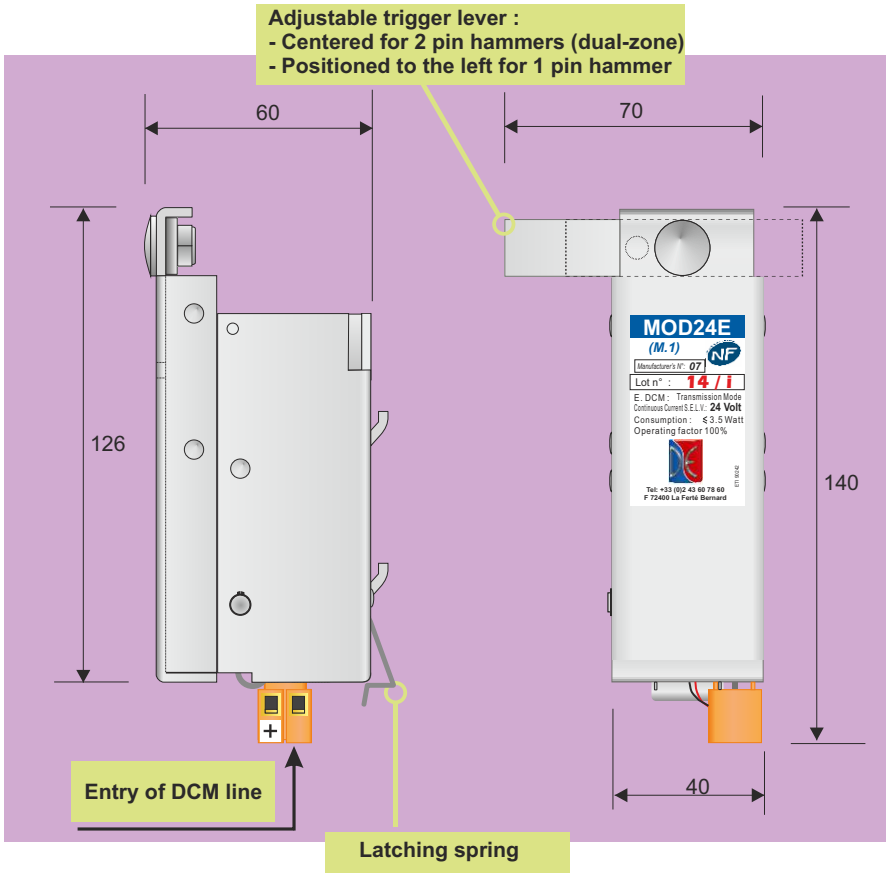
Technical File
NF012F

MOD24E - MOD24R - MOD48E - MOD48R

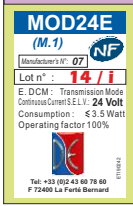
NF - Control devices
for Fire Safety Systems
www.marque-nf.com

Description - General information

Compatible with SCP control panel with pneumatic evacuation for single use PSC
Electric DCM for smoke exhaust control box
Clip-on mounting inside the box (no tools needed)
Capacity to trigger 2 pin hammers, (for Dual-zone box)
Delivered with cable gland.



Product identification

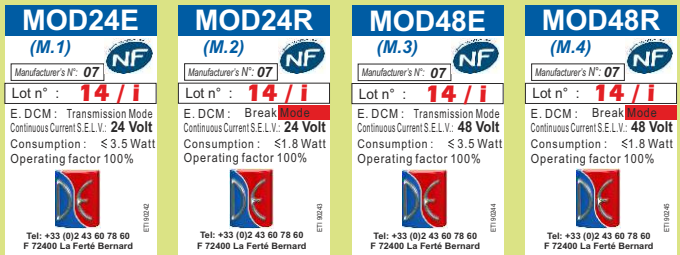


Information on label
(from top to bottom)
- Article code
- Manufacturer 's number
- Lot number
- Characteristics of DCM entry
- Manufacturer 's name

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

4 types of module



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

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REMINDER :

Electric lines : § 7.1 of the NFS 61-932
With DCM and control lines there should not be any galvanic connection between lines nor with any other circuit.
DCM lines should be created using cables designed for fixed conduits. Their conductors should present a section equal to or more than 1.5mm2 for rigid cables and 1mm2 for flexible cables. The conductors section should also be chosen taking into account voltage drops in the line which could jeopardize the compatibility between the exit characteristics and the entry characterisitcs of the control devices.
The DCM lines which work by transmission of current as well as control lines should be created, using either cables of category CR1 (according to norm NF C 32-070) or cables of category C2 (according to norm NF C 32-070) passed through Protected Technical Tubes.
However, they can be created using cables of category C2 and without protection against fire at the point at which they enter the safety zone (S.Z.) which corresponds to the ADS which they supply.
The DCM lines which work by a break in current should be created using, at least, cables of category C2 (according to norm NF C 32-070).

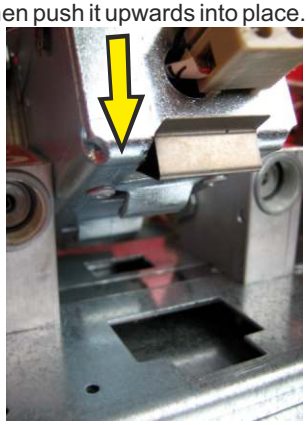
Installation

Position of the trigger lever
Centered for Dual-zone boxes
(2 openings)

Positioned to the left for
Open Only and
Open / Close boxes

Unscrew the nut, put the trigger lever into position according to the type of box and then screw the nut back on.

To fix in place.
Fix the module against the rail (in 2 rectangular holes) and then push it upwards into place.



Connection
Pass the cable through the cable gland into the box and thread it along to the electric terminal underneath the module.
Connect the wires, **paying attention to which is the positive and which is the negative**, then tighten the cable gland. Attach the cable if necessary.

After the DCM power has been switched on, cut the steel wire which encircles the module.

Resetting

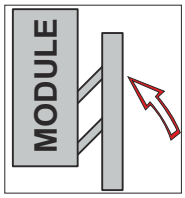
Make sure that the DCM command is switched off :

For modules in TRANSMISSION mode
The DCM electric line MUST be on **POWER OFF**

For modules in BREAK mode
The DCM electric line MUST be on ***POWER ON***

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

If it is not possible to reset, check that the ventouse and the back plate are clean (free from metallic waste caused by magnetism)



Maintenance

THE PRODUCT, *every 6 months.*
Check that everything is in good working order.
INSTALLATION, see according to norm NFS61-933

Easy installation, useful material

To carry out the installation of this product, you will need the following :	
Plastic trunking 24 x 13 in 2m	*GP2210*
Plastic trunking 32 x 16 in 2m	*GP3416*
Plastic trunking 52 x 20 in 2m	*GP4017*
Cable 2x1.5mm² rigid in 100m	*CAET100R215-01*
Connexion box 80x80x30	*BOI08008030*

Technical Characteristics

Material . . . . . :Steel, stainless steel, PVC.
Protection . . . . . :Zinc coating
Running factor : . . . . . 100 % at a temperature of 20°C ± 5°C
Voltage (Un) : . . . . . continuous current T.B.T.S.
Transmission 24 volts Ref **MOD24E (M1)**
Transmission 48 volts Ref **MOD48E (M3)**
Break 24 volts Ref **MOD24R (M2)**
Break 48 volts Ref **MOD48R (M4)**

Consumption at nominal voltage (Un) :3.5 W in transmission
1.8 W in break
Precautions :Stock and install away from bad weather conditions.

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