ELECTROMAGNET FOR FIRE PROOF DOORS SERIE 180/190	CE 13	24 Vdc - 70 mA ED 100% 600 N
0407-CPR-011(IG-098-2004)/Rev.Vig.	EN 1155:1997/ A1:2002/AC:2006	3 5 7/3 1 1 3
OPERA s.r.l. - 41122 MODENA - Via Portogallo, 43		

Electromagnet suitable for revolving doors, fire and/or smoke resistant.

N°	Characteristic	Description
1st	Utilisation category	**grade 3**: door for public use or other users who have no particular incentive to take care, that is, possibly incorrect use of the door.
2nd	Durability	**grade 5**: 50˙000 test cycles.
3rd	Mass of the test door	Suitable for use with door closing devices having a power range from 3 to 7. **grade 3**: 60 Kg; **grade 7**: 160Kg.
4th	Fire resistance	**grade 1**: suitable for use on fire/smoke resistant doors, provided the contribution to fire resistance of the electromagnetic doorstop to the specified flame/smoke arresting door as a whole is satisfactorily determined.
5th	Safety	**grade 1**: use of all doorstop devices must meet essential safety requirements.
6th	Resistance to corrosion	**grade 3**: high resistance.

PACKAGE CONTENTS
- 1 electromagnet with release button and ABS covering.
- 1 galvanised swivel counterplate.
- Mounting screws kit: n°3 4.2x30 screws and n° 3 plugs for installation of the electromagnet; n° 4 4.2x16 screws for installation of the counterplate.
- Installation and maintenance instructions.

INSTALLATION

Select the position for the electromagnet (wall with access to 24Vdc power supply) and the counterplate (door). The counterplate should be fixed to the pull side of the door, preferably on the top part of the free corner, approximately 200mm from the edges. The electromagnet should remain on the wall, perfectly aligned and centred with the counterplate. Once the physical feasibility of this positioning has been ascertained, proceed with the following steps:

1) Remove the ABS cover.
2) Place the electromagnet on the wall, pointing the red button toward the most easily accessible side, trace the 3 screw holes with a pencil and remove the electromagnet.
3) Drill 3 holes 35mm deep with a drill and Ø6mm wall drill bit.
4) Fix the electromagnet with the 3 plugs and Ø4.2x32mm screws supplied.
5) Connect the electrical wires according to the diagram.
6) Verify that the holding force was set to the minimum (adjustment screw in full counterclockwise position).
7) Replace the ABS cover.
8) Apply power to the electromagnet and place the counterplate on it. Using the release button, adjust the position of the counterplate.
9) Open the door so that it rests against the base of the counterplate. Determine the position of the counterplate and trace the 4 screw holes on the door with a pencil. Remove the counterplate.
10) Using a Ø3mm bit, drill the 4 holes which are marked. **Attention: the holes should not go the whole way through.**
11) Fix the counterplate using the supplied 4.2x16 screws.
12) Open the door and verify that it is held open. Pull the door and verify the force needed for the release. Increase the holding force by slightly rotation in clockwise sense of the adjustment screw.

TECHNICAL CHARACTERISTICS

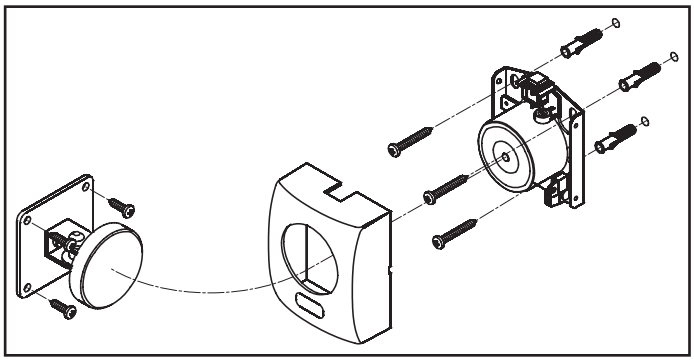
Dimensions: 75 x 90 x 35 mm - Release force: adjustable between 10 and 50 Kg
Power supply: 24 Vdc - Current absorption: 60 mA
Release button: YES - Anti-disturbance varistor: YES
Anti-magnetism extractor: YES

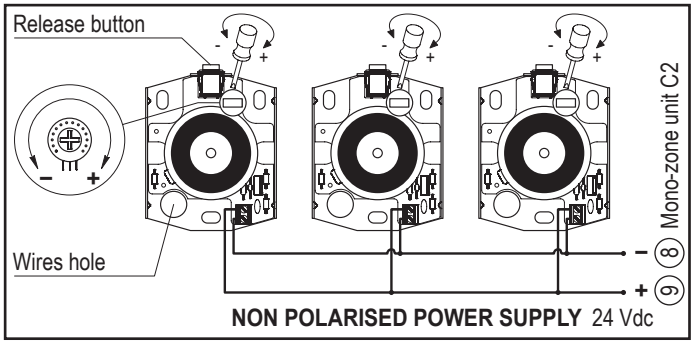
OPERATION

Once powered, the electromagnet attracts its counterplate. Click on the release button or pulling the door leaf with a force adjustable between 10 and 50 Kg (or in case of alarm of the fire detection system) causes the release of the counterplate fixed onto door leaf, so that the door can return to the closed position.

WARNINGS

The electromagnet for fire rated doors and its counterplate are “CE” certified in accordance with European standards UNI EN-50081-1, UNI EN-50082-1 and UNI EN-1155.
No type of modification is permitted, with the exception of those described in these instructions.
The electromagnet is designed for indoor installation and should not be exposed to outdoor elements.
Installation must be carried out in strict adherence to the following instructions.
All of the components included must be installed for correct operation.
Installation, as well as any adjustments or maintenance, must be performed by specialised personnel.
This product does not contain any hazardous substances as required by standard UNI EN-1155 appendix ZA.
These instructions must be delivered to the end user.





MAINTENANCE

Regular preventive maintenance is recommended at least once a month to verify that all of the components are in satisfactory working condition.
Check that the door is held open by the electromagnet. If this is not the case, ensure the correct power supply and the perfect alignment and contact between electromagnet and counterplate (free from: paint, dirt, rust, etc.). Adjust the holding force by the screw if necessary. Make sure the fixing screws are sufficiently tight.

DICHIARAZIONE DI PRESTAZIONE N. 838/2014
secondo CPR 305 del 2011

1. CODICE DI IDENTIFICAZIONE UNICO DEL PRODOTTO-TIPO : Elettromagnete a parete

2. NUMERO DI TIPO, LOTTO, SERIE CHE CONSENTA L'IDENTIFICAZIONE DEL PRODOTTO DA COSTRUZIONE AI SENSI DELL'ARTICOLO 11, PARAGRAFO 4 del CPR : 19001BNZ

3. USO PREVISTO DEL PRODOTTO DA COSTRUZIONE PREVISTO DAL FABBRICANTE : **DISPOSITIVO ELETTROMAGNETICO FERMAPORTA PER PORTE TAGLIAFUOCO DA ABBINARE UNICAMENTE ALLE CONTROPIASTRE OPERA 01805Z O 01800Z**

4. NOME ED INDIRIZZO DEL FABBRICANTE : **OPERA S.r.l. Via Portogallo 43, 41122 Modena, Italy**

5. NOME DEL MANDATARIO QUANDO APPLICABILE : N.A.

6. SISTEMA DI VALUTAZIONE E VERIFICA DELLA COSTANZA DELLE PRESTAZIONI - (VVCP1)

7. NOME E NUMERO DI IDENTIFICAZIONE DELL'ORGANISMO NOTIFICATO : **ISTITUTO GIORDANO - ORGANISMO NOTIFICATO CE N.0407-CPR-011 (IG-098-2004)**

8. PRESTAZIONE DICHIARATA : **EN 1155:1997/ A1:2002/ AC:2006**

CARATTERISTICHE ESSENZIALI	PRESTAZIONE	SPECIFICA TECNICA ARMONIZZATA
CATEGORIA D'USO	Il dispositivo deve essere incorporato in una porta che abbia soddisfatto gli appropriati criteri di una prova di resistenza al fuoco	5.2.13
DURABILITA'	Il dispositivo rilascia una porta resistente al fuoco conforme al punto 6.2 almeno 25.000 volte quando sia stata tolta la corrente elettrica ed altre 25000 volte mediante trazione meccanica della posizione di fermo	5.2.4
RESISTENZA ALLA CORROSIONE	Alta resistenza - I requisiti di cui in 5.6 della EN 1670:1998 sono soddisfatti in conformità alla sua classificazione	5.2.14.1 5.2.14.2
IDONEITA' ALL'UTILIZZO NELLE PORTE PER COMPARTI. TAGLIAFUOCO/ANTIFUMO	Grado 1 - adatto all'uso su porte tagliafuoco/tagliafumo	EN 1155:1997/ A1:2002/ AC:2006
SICUREZZA	Grado 1 - Tutti i dispositivi fermaporta devono soddisfare il requisito essenziale della sicurezza nell'impiego	EN 1155:1997/ A1:2002/ AC:2006
FORZA DEL CHIUDIPORTA	Da Grado 3 a Grado 7	EN 1155:1997/ A1:2002/ AC:2006

SOSTANZE PERICOLOSE

La prestazione del prodotto di cui ai punti 1 e 2 è conforme alla prestazione dichiarata al punto 8. Si rilascia la presente dichiarazione di prestazione sotto la responsabilità esclusiva del fabbricante di cui al punto 4.

La Direzione
Opera S.r.l.
www.opera-italy.com