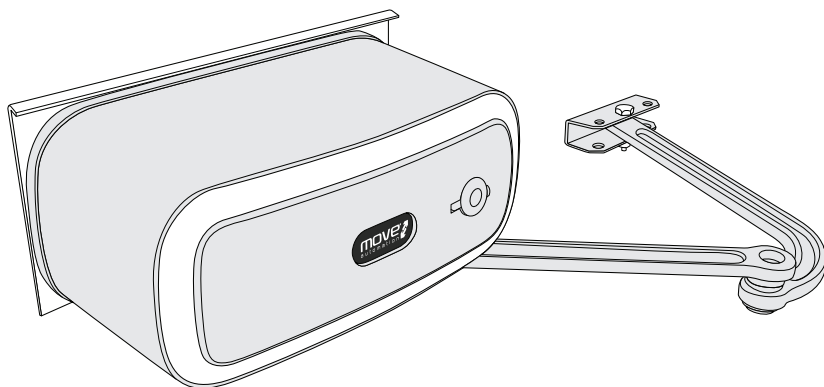


SWING GATE OPERATOR USER'S AND INSTALLER'S MANUAL

v20240327

bend >



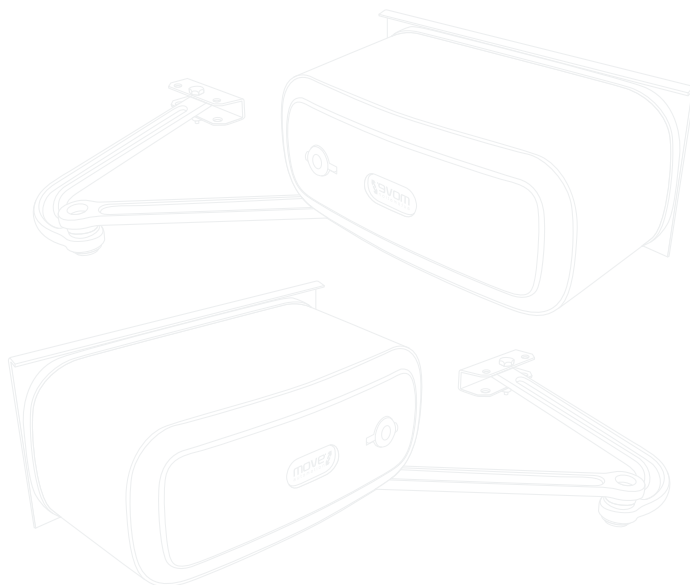
EN

S/N

WARNING

CE

Please read the manual carefully before installation and use. The installation of your new door opener must be carried out by a technically qualified or licensed person. Attempting to install or repair the door opener without suitable technical qualification may result in severe personal injury, death and / or property damage.



The data described in this handbook are purely a guide. Move Automation reserves the right to change them in any moment.

The manufacturer reserves the right to modify or improve products without prior notice. Any inaccuracies or errors found in this handbook will be corrected in the next edition.

When opening the packing please check that the product is intact. Please recycle materials in compliance with current regulations.

This product may only be installed by a qualified fitter. Move Automation declines all liability for damage to property and/or personal injury deriving from the incorrect installation of the system or its non-compliance with current law (see Machinery Directive).

CONTENTS

01) GENERAL INFORMATION	01
02) TOOLS NEEDED	01
03) TECHNICAL DATA	01
04) PACKAGE	02
05) DIMENSIONS	02
06) INSTALLATION VARIANTS	02
07) MOUNTING AND INSTALLATION OF OPERATOR	03
08) ADJUSTMENT OF LIMITS	05
09) EMERGENCY RELEASE OF MOTOR	05
10) MAINTENANCE	06
11) SCRAPPING	06
12) GUARANTEE: GENERAL CONDITIONS	06
WARRANTY CERTIFICATE	
MAINTENANCE LOG	

01) GENERAL INFORMATION

PREPARATION

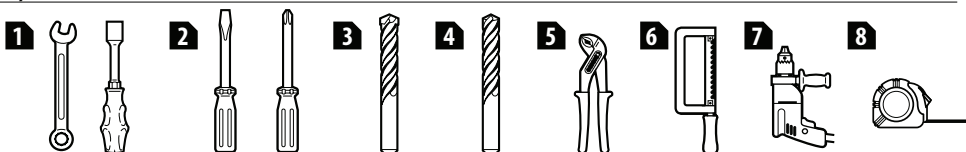
- Read carefully this manual.
- Check the product for damage after transport.
- Check the gate structural strength and smooth travel of gate leaves.
- The gate leaves must move without jamming.
- Prepare the gate before the installation of the automation. The gate must meet the requirements including installing of mechanical stops.
- Check compliance of the supply mains characteristics with the requirements specied in this manual.
- All metal parts of the operator and the gate must have reliable earth connection.
- Check operation of the manual emergency release.

BASIC SAFETY RULES

- Do not go through the moving gate. Wait until full opening of the gate and only then go through the gate.
- Do not block up the gate aperture.
- Keep people and children away from the automated systems. No one should cross the path of the moving gate.
- Keep the remote controls away from children and outsiders to avoid unauthorized starting of the gate.
- Never let children play with the automation.
- Do not obstruct moving of gate leaves.
- No branches and shrubs shall be within the gate moving area as they can impede moving of gate leaves.
- The signal lamps must be placed where easily visible and kept clean.
- Do not try to move the gate leaves if the operator is blocked.
- In the event of automation failure, release the operator to enable free pass and call repair specialists.
- After change of operation mode, turn o power supply of the system before manual restoration of the gate's normal position.
- Do not make any alterations in the automated system. Call a qualified specialist to do that.
- For efficient work of the automated system, its safety devices and earth connection must be checked at least once a half year.

 **Correct installation and use of the operator will ensure its safety.**
To avoid difficulty at operation, follow the fundamental operating rules.

02) TOOLS NEEDED



- | | | |
|---|-----------------------------------|-------------------|
| 1. Set of spanners | 4. Set of drill bits for concrete | 7. Electric drill |
| 2. Set of cross and straight-blade screwdrivers | 5. Pliers | 8. Measuring tape |
| 3. Set of drill bits for metal | 6. Hacksaw for metal | |

03) TECHNICAL DATA

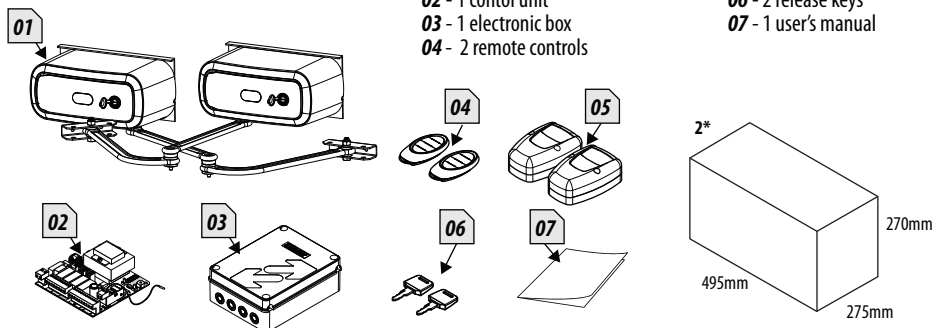
Model	Weight kg	Supply voltage V	Current A	Power W	Use intensity %	Torque Nm	Capacitor µF
bend > 220V	14	220	1.3	110	50	380	10
bend > 24V	14	24	1.5	180	INTENSIVE USE	470	-

04) PACKAGE

In the package you will find the following components:

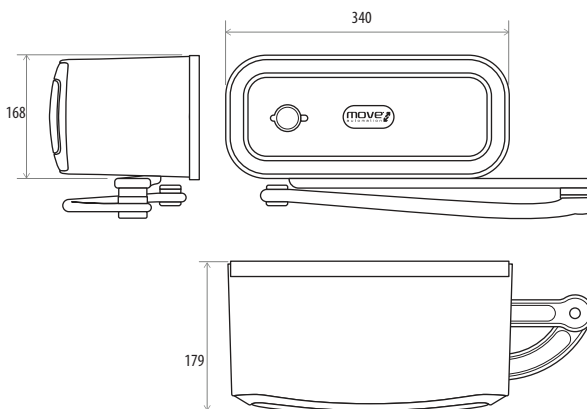
01 - 2 operators (right and left) **bend>**
02 - 1 control unit
03 - 1 electronic box
04 - 2 remote controls

05 - 1 pair of photocells
06 - 2 release keys
07 - 1 user's manual

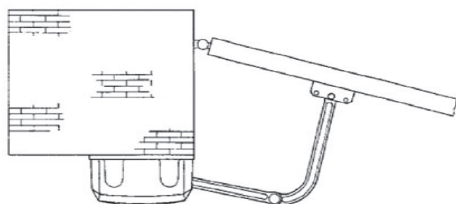


⚠ If any damages are found contact the operator supplier.

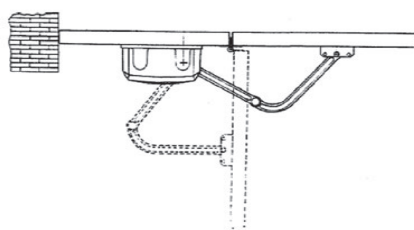
05) DIMENSIONS



06) INSTALLING VARIANTS



Behind-column installation



On-leaf installation

REQUIREMENTS

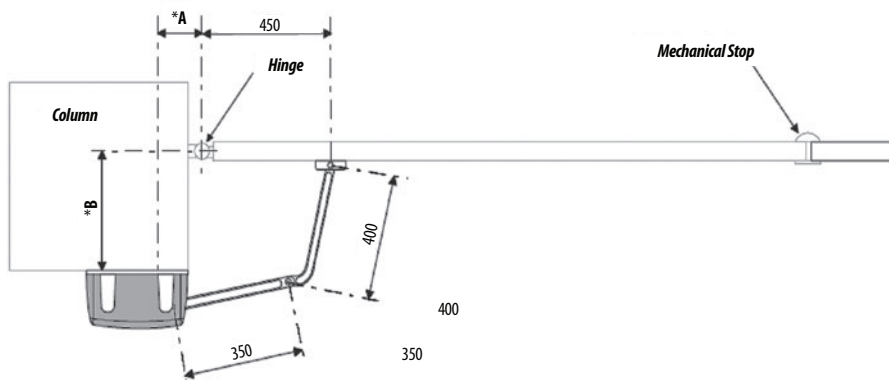
Leaf width (m)	Leaf weight (Kg)
2	800
2.50	600
3	500
3.50	450
4	400

7) MOUNTING AND INSTALLING OF OPERATOR

BEFORE INSTALLING:

If Dimension **B** is 0–300 mm, Dimension **A** must not be less than 110 mm.

If Dimension **B** is 300–380 mm, Dimension **A** must not be less than 150 mm.

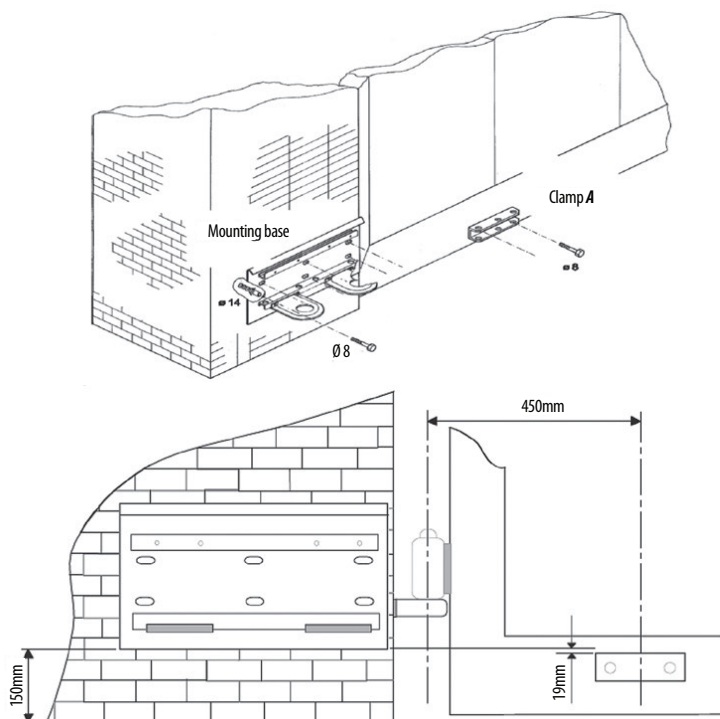


INSTALLING OF MOUNTING BASE AND CLAMP A

Use bolts 8 and anchors 14 mm to mount a mounting base on the pole.

Mounting base should be placed at a distance of not less than 150 mm from the ground.

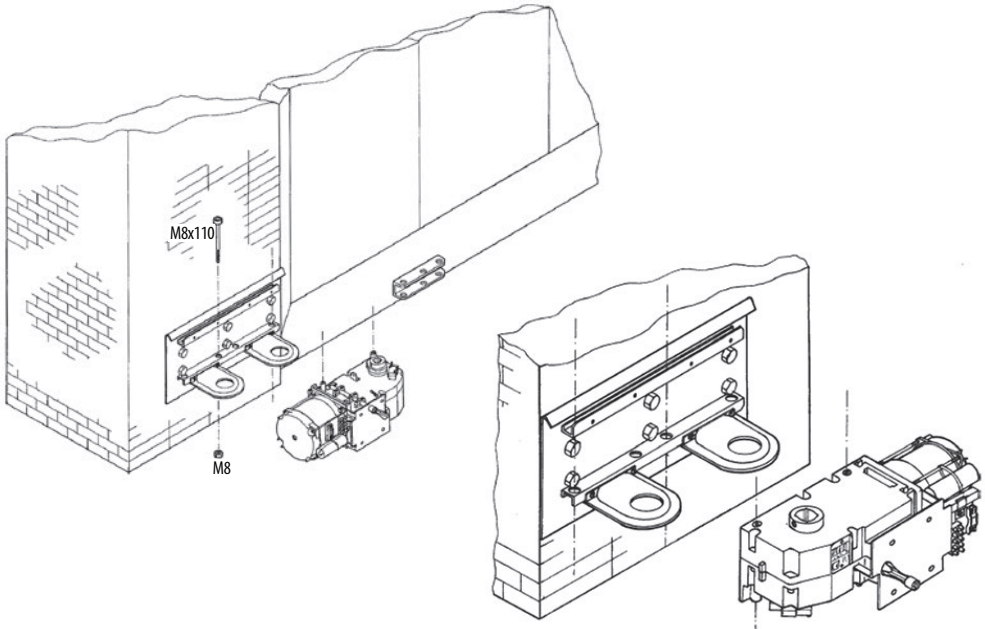
Fix the clamp **A** on the gate leaf (use bolts or welding). The clamp **A** should be placed at a distance of 450 mm from hinge, horizontally, and 19 mm from mounting base installed on the pole, vertically (see picture).



INSTALLING OF OPERATOR

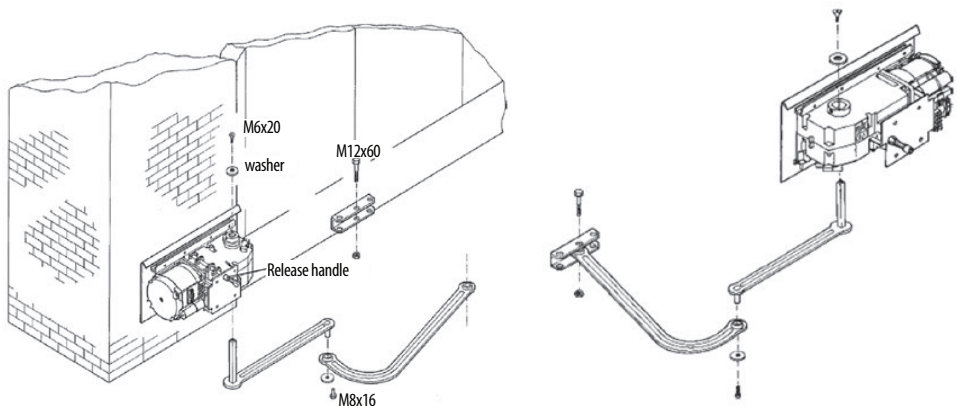
Install the operator on the mounting base: match four holes and fix using 2 supplied bolts M8x110mm.

To install the operator on the right leaf, change the position of the operator and use other two pairs of holes (see picture).



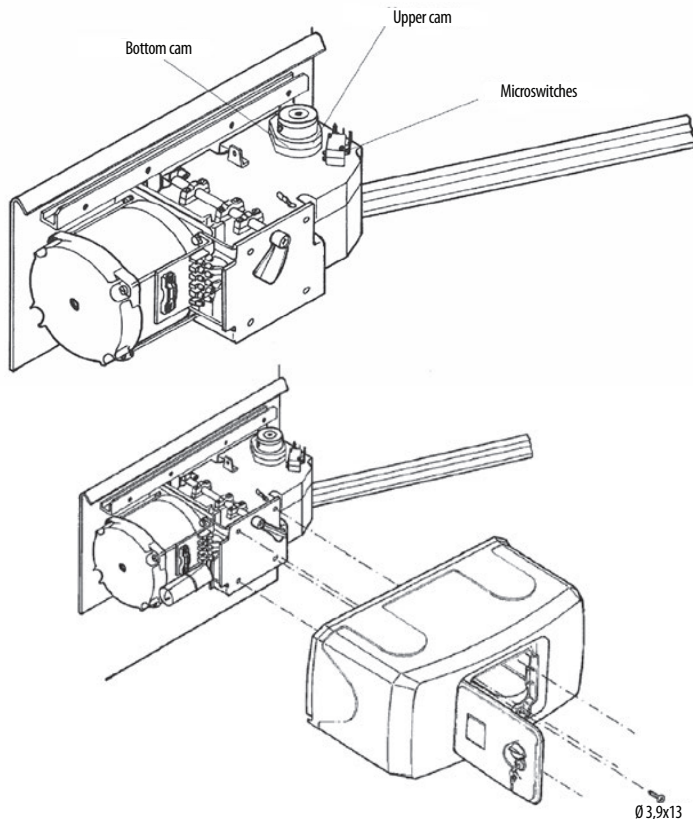
INSTALLING OF STRAIGHT AND CURVED ARMS

- Insert the straight arm in the driving shaft of the reducer.
- Level the ends of the shaft and of the arm, x the washer using screw M6x20 and fix the axis of the arm using 2 pairs of lock screws.
- Connect 2 arms using screw M 6 x16 and washer. Unblock the reducer by turning the handle clockwise and secure the curved arm to the clamp **A** using screw M12x50 and nut M12
- When installing the operator on the right leaf, follow the installation procedure showed in the bottom right picture.



8) ADJUSTMENT OF LIMITS

- 1) Unblock the reducer and open the gate leaf until the necessary position.
 - 2) Turn the upper cam on the reducer shaft until actuation (disconnection) of microswitch. Close the leaf and fix the cam using screw.
 - 3) Unblock the reducer and close the gate leaf leaving 100mm before completely closed position. Turn the bottom cam of reducer until actuation of (closing) microswitch. Open the leaf and fix the cam using screw.
- After you complete installation, make all electrical connections and adjustments of the operator, put on the cover fixing it with 4 bolts.

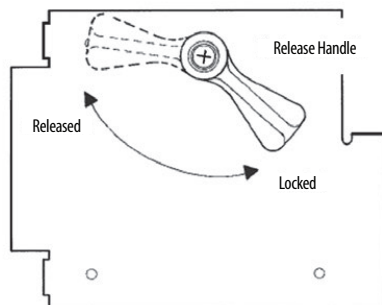


9) EMERGENCY RELEASE OF MOTOR

Emergency release is used to release the motor in case of power cut. To release the motor, turn the handle by 90 degrees.



ATTENTION
Release the motor only if the power supply is off.



10) MAINTENANCE

In order to guarantee correct operation and a constant level of safety over time, it is advisable to carry out a general inspection of the automation every six months.

⚠ WARNING: No persons, except the specialised maintenance technician, must activate the automatic gate during the maintenance operations

Therefore the power supply should ideally be disconnected thereby avoiding possible electric shocks. If on the other hand it is necessary that the power supply is connected for the inspection, each control device (remote controls, push button panels, etc) should be checked and disabled except for those being used by the maintenance technician.

The proper functioning of the motor depends on the state of conservation of the gate, so we will briefly describe the operations to be carried out to have an efficient gate.

ROUTINE MAINTENANCE

Each of the following operations must be performed when necessary or in any case every 6 months for domestic use (approx. 3000 working cycles) and every 2 months for intensive use, e.g. apartment blocks (again, every 3000 working cycles).

⚠ ATTENTION: If installation is carried out in areas rich in salt and/or sand (maritime areas, desert areas, etc.), maintenance must be carried out more frequently, every 2/3 months.

Gate:

- Lubricate and grease the hinges of the gate.

Automation:

- Keep oiled the jointed arm's pin, the boss that works coupled to the motor output shaft and all parts subject to wear due to friction.
- Check that the safety devices are working correctly.

EXTRAORDINARY MAINTENANCE

If more complicated tasks need to be performed on the mechanisms, the operator should ideally be removed in order for the work to be carried out by experienced technicians in the manufacturers or an authorised workshop.

11) SCRAPPING

The materials must be disposed of in accordance with the current laws and regulations.

No dangers or risks are present in the event of scrapping of the automation system.

If materials are to be recycled, they should ideally be divided based on their type (electrical parts – copper – aluminium – plastic – etc...).

12) GUARANTEE: GENERAL CONDITIONS

Move Automation guarantees this product for a period of 24 months from the date of purchase (as proved by the sales document, receipt or invoice).

This guarantee covers the repair or replacement at Move Automation's expense (ex-works Move Automation: packing and transport at the customer's expense) of parts that Move Automation recognises as being faulty as regards workmanship or materials.

For visits to the customer's facilities, also during the guarantee period, a "Call-out fee" will be charged for travelling expenses and labour costs.

The guarantee does not cover the following cases:

- If the fault was caused by an installation that was not performed according to the instructions provided by the company inside the product pack.
- If original Move Automation spare parts were not used to install the product.
- If the damage was caused by an Act of God, tampering, overvoltage, incorrect power supply, improper repairs, incorrect installation, or other reasons that do not depend on Move Automation.
- If a specialised maintenance man does not carry out routine maintenance operations according to the instructions provided by the company inside the product pack.
- Wear of components.

IMPORTANT NOTE: The repair or replacement of pieces under guarantee does not extend the guarantee period. In case of industrial, professional or similar use, this warranty is valid for 12 months.

CERTIFICADO DE GARANTIA

ES. CERTIFICADO DE GARANTÍA
EN. WARRANTY CERTIFICATE
FR. CERTIFICAT DE GARANTIE

NOME ES. NOMBRE EN. NAME FR. NOM

MORADA ES. DIRECCIÓN EN. ADDRESS FR. ADRESSE

PAÍS ES. PAÍS EN. COUNTRY FR. PAYS

CONTACTO TELEFÓNICO ES. CONTACTO TELEFÓNICO EN. PHONE CONTACT FR. CONTACT TÉLÉPHONIQUE

ASSINATURA E CARIMBO DO INSTALADOR
ES. FIRMA Y SELLO DEL INSTALADOR
EN. INSTALLER'S SIGNATURE AND STAMP
FR. SIGNATURE ET TAMPON DE L'INSTALLATEUR

/ /

GARANTIA E RESPONSABILIDADE: O uso e manutenção correcto do automatismo são fundamentais para que a garantia seja válida. A garantia tem um período de dois (2) anos para utilizadores residenciais e de um (1) ano para utilizações industriais/comerciais ou condomínios.

GARANTIA NÃO COBRE: Reparações efectuadas por pessoas que não estejam devidamente capacitadas e habilitadas. Alterações efectuadas à construção e funcionamento do automatismo. Danos causados por uso inadequado. Danos causados por falta de manutenção. Danos causados por fenómenos naturais.

Move Automation, reserva-se ao direito de efectuar modificações nos produtos apresentados no intuito de melhoria continua e desenvolvimento. Todos os direitos são reservados a Move Automation. É proibido o uso indevido e alterações deste manual sem a devida autorização.

ES. GARANTÍA Y RESPONSABILIDAD: El correcto uso y mantenimiento de la automatización son fundamentales para la vigencia de la garantía. La garantía es por un período de dos (2) años para usuarios residenciales y un (1) año para usos industriales/comerciales o condominios.

LA GARANTÍA NO COBRE: Reparaciones realizadas por personas que no están debidamente capacitadas y calificadas. Cambios realizados en la construcción y funcionamiento de la automatización. Daños causados por mal uso. Daños causados por falta de mantenimiento. Daños ocasionados por fenómenos naturales.

Move Automation, se reserva el derecho a realizar cambios en los productos presentados con el objetivo de mejora y desarrollo continuo. Todos los derechos están reservados a Move Automation. Está prohibido hacer un mal uso y alterar este manual sin la debida autorización.

EN. WARRANTY AND LIABILITY: The correct use and maintenance of automation are essential for the warranty to be valid. The warranty is for a period of two (2) years for residential users and one (1) year for industrial/commercial uses.

WARRANTY DOES NOT COVER: Repairs carried out by people who are not properly trained and qualified. Changes made to the construction and operation of the automation. Damage caused by misuse. Damage caused by lack of maintenance. Damage caused by natural phenomena.

Move Automation, reserves the right to make changes to the products presented with the aim of continuous improvement and development. All rights are reserved to Move Automation. It is forbidden to misuse and alter this manual without proper authorization.

FR. GARANTIE ET RESPONSABILITÉ: L'utilisation et l'entretien corrects de l'automatisme sont essentiels pour que la garantie soit valable. La garantie est d'une durée de deux (2) ans pour les utilisateurs résidentiels et d'un (1) an pour les utilisations industrielles/commercial ou appartements en copropriété.

LA GARANTIE NE COUVRE PAS: Les réparations effectuées par des personnes qui ne sont pas correctement formées et qualifiées. Modifications apportées à la construction et au fonctionnement de l'automatisation. Dommages causés par une mauvaise utilisation. Dommages causés par un manque d'entretien. Dommages causés par des phénomènes naturels.

Move Automation se réserve le droit d'apporter des modifications aux produits présentés afin de s'améliorer et de se développer en permanence. Tous les droits sont réservés à Move Automation. L'utilisation abusive et la modification de ce manuel sans autorisation appropriée sont interdites.



REGISTOS DE MANUTENÇÃO PERIODICA

ES. REGISTROS DE MANTENIMIENTO PERIÓDICO

EN. PERIODIC MAINTENANCE LOG

FR. REGISTRE D'ENTRETIEN PÉRIODIQUE

Antes de qualquer outra operação de manutenção, é aconselhável desligar para evitar qualquer situação de perigo causada pelo movimento acidental do dispositivo.

ES. Antes de cualquier otra operación de mantenimiento, se recomienda apagarlo para evitar cualquier situación de peligro provocada por un movimiento accidental del dispositivo.

EN. Before doing any maintenance, cut off the power supply, to prevent any hazardous situations caused by accidentally activating the operator.

FR. Before any other maintenance operation, it is advisable to switch off the power to avoid any dangerous situation caused by accidental movements of the device.

DATA ES. FECHA EN. DATE FR. DATE	OBSERVAÇÕES ES. OBSERVACIONES EN. NOTES FR. REMARQUES	ASSINATURA ES. FIRMA EN. SIGNATURE FR. SIGNATURE

DATA ES.FECHA EN.DATE FR.DATE	OBSERVAÇÕES ES.OBSERVACIONES EN.NOTES FR.REMARQUES	ASSINATURA ES.FIRMA EN.SIGNATURE FR.SIGNATURE



REGISTOS DE MANUTENÇÃO EXTRAORDINÁRIA

ES. REGISTRO DEL MANTENIMIENTO EXTRAORDINARIO

EN. EXTRAORDINARY MAINTENANCE LOG

FR. DOSSIER D'ENTRETIEN EXTRAORDINAIRE

A tabela seguinte deve ser usada para registar intervenções de manutenção extraordinária, de reparos e de melhorias executadas por empresas externas especializadas. As intervenções de manutenção extraordinária devem ser efetuadas por técnicos especializados.

ES. El siguiente cuadro sirve para apuntar las operaciones de mantenimiento extraordinario, de reparación y de mejora efectuadas por empresas especializadas externas.

Las operaciones de mantenimiento extraordinario deben ser efectuadas por parte de técnicos especializados.

EN. The following table is for logging any extraordinary maintenance jobs, repairs and improvements performed by specialized contractors. Any extraordinary maintenance jobs must be done only by specialized technicians.

FR. Le tableau suivant permet d'enregistrer les interventions d'entretien curatif, de réparation et d'amélioration effectuées par des sociétés externes spécialisées. Les interventions d'entretien curatif doivent être effectuées par des techniciens qualifiés.

Carimbo do Instalador ES. Timbre del instalador EN. Fitter's Stamp FR. Cachet Installateur	Nome do operador ES. Nombre del operador EN. Name of Operator FR. Nom de l'opérateur
	Data da intervenção ES. Fecha de la operación EN. Date FR. Date Intervention
	Assinatura do técnico ES. Firma del técnico EN. Technician's Signature FR. Signature technicien
	Assinatura do requerente ES. Firma del cliente EN. Requester's Signature FR. Signature Client
Intervenção Efectuada ES. Operación efectuada EN. Job Performed FR. Intervention effectuée	
Carimbo do Instalador ES. Timbre del instalador EN. Fitter's Stamp FR. Cachet Installateur	Nome do operador ES. Nombre del operador EN. Name of Operator FR. Nom de l'opérateur
	Data da intervenção ES. Fecha de la operación EN. Date FR. Date Intervention
	Assinatura do técnico ES. Firma del técnico EN. Technician's Signature FR. Signature technicien
	Assinatura do requerente ES. Firma del cliente EN. Requester's Signature FR. Signature Client
Intervenção Efectuada ES. Operación efectuada EN. Job Performed FR. Intervention effectuée	
Carimbo do Instalador ES. Timbre del instalador EN. Fitter's Stamp FR. Cachet Installateur	Nome do operador ES. Nombre del operador EN. Name of Operator FR. Nom de l'opérateur
	Data da intervenção ES. Fecha de la operación EN. Date FR. Date Intervention
	Assinatura do técnico ES. Firma del técnico EN. Technician's Signature FR. Signature technicien
	Assinatura do requerente ES. Firma del cliente EN. Requester's Signature FR. Signature Client
Intervenção Efectuada ES. Operación efectuada EN. Job Performed FR. Intervention effectuée	



Carimbo do Instalador <i>ES</i> .Timbre del instalador <i>EN</i> .Fitter's Stamp <i>FR</i> .Cachet Installateur	Nome do operador <i>ES</i> .Nombre del operador <i>EN</i> .Name of Operator <i>FR</i> .Nom de l'opérateur
	Data da intervenção <i>ES</i> .Fecha de la operación <i>EN</i> .Date <i>FR</i> .Date Intervention
	Assinatura do técnico <i>ES</i> .Firma del técnico <i>EN</i> .Technician's Signature <i>FR</i> .Signature technicien
	Assinatura do requerente <i>ES</i> .Firma del cliente <i>EN</i> .Requester's Signature <i>FR</i> .Signature Client
Intervenção Efectuada <i>ES</i> .Operación efectuada <i>EN</i> .Job Performed <i>FR</i> .Intervention effectuée 	
Carimbo do Instalador <i>ES</i> .Timbre del instalador <i>EN</i> .Fitter's Stamp <i>FR</i> .Cachet Installateur	Nome do operador <i>ES</i> .Nombre del operador <i>EN</i> .Name of Operator <i>FR</i> .Nom de l'opérateur
	Data da intervenção <i>ES</i> .Fecha de la operación <i>EN</i> .Date <i>FR</i> .Date Intervention
	Assinatura do técnico <i>ES</i> .Firma del técnico <i>EN</i> .Technician's Signature <i>FR</i> .Signature technicien
	Assinatura do requerente <i>ES</i> .Firma del cliente <i>EN</i> .Requester's Signature <i>FR</i> .Signature Client
Intervenção Efectuada <i>ES</i> .Operación efectuada <i>EN</i> .Job Performed <i>FR</i> .Intervention effectuée 	
Carimbo do Instalador <i>ES</i> .Timbre del instalador <i>EN</i> .Fitter's Stamp <i>FR</i> .Cachet Installateur	Nome do operador <i>ES</i> .Nombre del operador <i>EN</i> .Name of Operator <i>FR</i> .Nom de l'opérateur
	Data da intervenção <i>ES</i> .Fecha de la operación <i>EN</i> .Date <i>FR</i> .Date Intervention
	Assinatura do técnico <i>ES</i> .Firma del técnico <i>EN</i> .Technician's Signature <i>FR</i> .Signature technicien
	Assinatura do requerente <i>ES</i> .Firma del cliente <i>EN</i> .Requester's Signature <i>FR</i> .Signature Client
Intervenção Efectuada <i>ES</i> .Operación efectuada <i>EN</i> .Job Performed <i>FR</i> .Intervention effectuée 	



