USE AND MAINTENANCE MANUAL

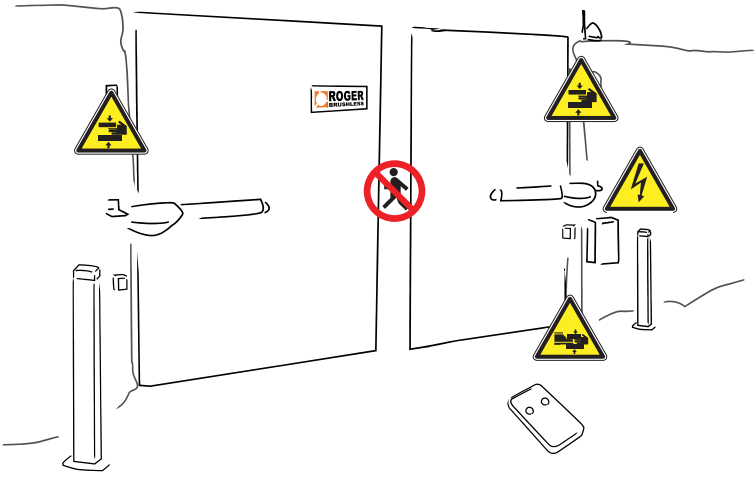
Swing gates

Rev.00 28/07/2016

ROGER TECHNOLOGY
AUTOMAZIONI EVOLUTE

1 Safety precautions

Failure to observe the information given in this manual may result in personal injury or damage to the equipment.
These instructions are an integral part of the product and must be handed to the user.
Read these instructions carefully, as they provide important information concerning the safety, use and maintenance of the installation.
These instructions must be kept and must be made available to any other persons authorised to use the installation.
This product may only be used for its expressly intended purpose.
Any other usage is inappropriate and dangerous. The manufacturer cannot be held responsible for any damage resulting from inappropriate, erroneous or unreasonable usage.
Keep away from hinges and moving parts.
Keep out of the area of action of the motorised door or gate while it is moving.
Never try to stop the motorised door or gate while it is moving as this may be dangerous.
The motorised door or gate may be used by children aged 8 and above, by persons with diminished physical, sensory or mental capacity and by persons without the necessary experience and knowledge provided that they are supervised or have received adequate instruction on using the installation safely and to ensure that they understand the dangers involved in its operation.
Children must be supervised at all times to ensure that they do not play with the installation and that they keep out of the area of action of the motorised door or gate.
Keep remote controls and any other control devices out of the reach of children to prevent the risk of the motorised door or gate being operated unintentionally.
In the event of a fault or malfunction of the product, turn the main power switch off and have the installation serviced by a qualified professional. Do not attempt to repair the installation or rectify the problem yourself.
Failure to observe these instructions may lead to danger.



2 Responsibility for product

In accordance with European Directives, the owner or user of in the installation is responsible for complying with the following.
To ensure that the installation is kept in proper working order, the automatic gate must be subject to periodical maintenance performed by qualified personnel in accordance with the instructions of the manufacturer.
The automatic system must operate in the original conditions verified during initial testing conducted by the installer and in the presence of the end user.
Do not tamper with the original settings.
In the event of a fault or malfunction of the automatic gate, disconnect the installation from mains electrical power and have the installation serviced by a qualified professional. Do not attempt to repair the installation or rectify the problem yourself.
In the event of any malfunction, stop using the automation system immediately and contact the technical support service.
Failure to observe these instructions may lead to danger.

3 Maintenance

The ROGER TECHNOLOGY automation system for swing gates requires periodical maintenance to keep it in proper working order and to ensure that it continues to function in complete safety.
Agree upon a periodical maintenance schedule with the installer.
ROGER TECHNOLOGY recommends servicing at 6 month intervals for normal usage. However, the frequency of maintenance intervals may vary depending on intensity of usage.
In particular, all the safety devices must be checked periodically to ensure that they are working correctly.
All installation, maintenance and repair work must be documented correctly, and the relative documents must be made available to the user.

2.1 Periodical maintenance by user

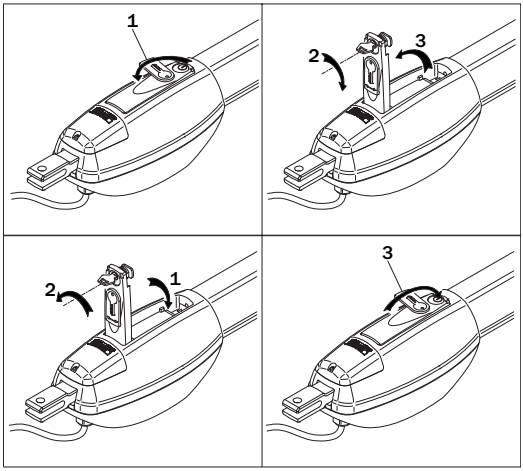
- Clean the lenses of the photocells with a soft cloth dampened slightly with water. Do not use solvent or other chemical products, as this may damage the devices.
- Clean the guide rails to remove any leaves or stones which could impede the movements of the automation system.
- Trim any plants encroaching into the area of action of the photocells or which could impede the movements of the automation system.
- Do not direct water onto the parts.

2.2 Periodical maintenance by installer

- Disconnect the system from mains electricity and unlock the gate.
- Check all parts for wear and deterioration. In particular, check all structural parts for wear and corrosion. Replace any parts not in an adequate condition to ensure continued correct operation.
- Check the condition and tightness of all fastener screws.
- Clean and lubricate, the turning pins, the hinges of the gate and the drive screw. Manually check that the gate slides smoothly and without impediment.
- Lock the gate and reconnect to mains electricity.
- Check that all control devices, safety devices and limit switches function correctly.
- Check the force settings.

4 Unlock instructions

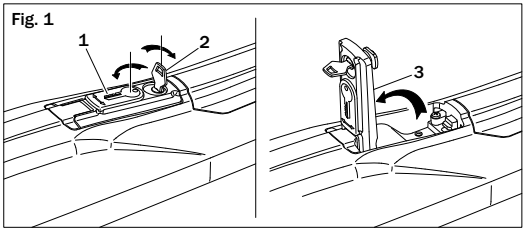
BE20 - BR20 - R20 Series

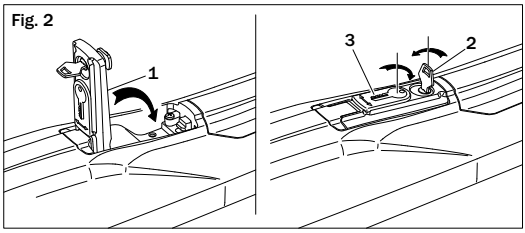


UNLOCKING (fig. 1)
Open the lock cover (ref. 1), insert the key included in the lock and turn clockwise by 90° (ref. 2), then pull the key first and then the lever to open the door (ref. 3) completely. Manoeuvre the gate manually.

LOCKING(fig. 2)
WARNING: operate the lock release lever with caution to avoid the risk of injury to the fingers. Close the lock release lever. Insert the key included into the lock and turn clockwise by 90°. Once the lock release lever has returned to its original position, turn the key anticlockwise, remove from the lock and close the lock cover.

BM20 - M20 - H20 Series

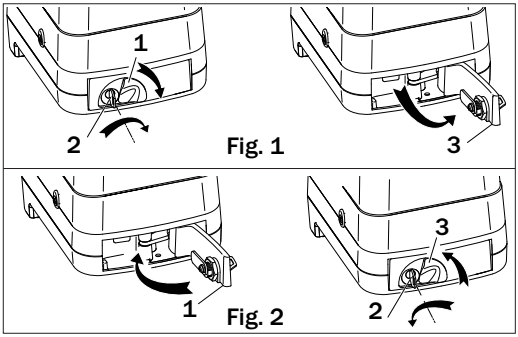




UNLOCKING (fig. 1)
Turn the lock cover (rif. **1**), insert the key included in the lock and turn clockwise by 90° (ref. 2), then pull the key first and then the lever to open the door (ref. 3) completely. Manoeuvre the gate manually.

LOCKING(fig. 2)
WARNING: operate the lock release lever with caution to avoid the risk of injury to the fingers. Close the lock release lever. Insert the key included into the lock and turn clockwise by 90°.
Once the lock release lever has returned to its original position, turn the key anticlockwise, remove from the lock and close the lock cover.

BH23 - H23 Series



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R23 Series

UNLOCKING(fig. 1)
Open the lock cover (ref. 1), insert the key included in the lock and turn clockwise by 90° (ref. 2). Turn the lever by 180°(ref. 3).
Manoeuvre the gate manually.

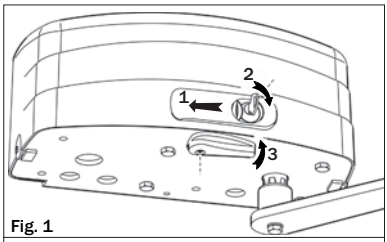


Fig. 1

LOCKING (fig. 2)
WARNING: operate the lock release lever with caution to avoid the risk of injury to the fingers.
Turn the lock release lever by 180° and return it to its original position. Insert the key and turn anticlockwise, remove from the lock and close the lock cover.

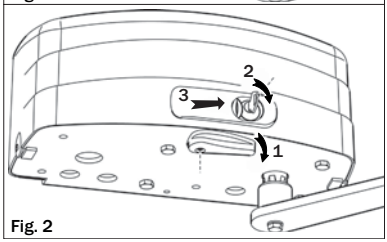
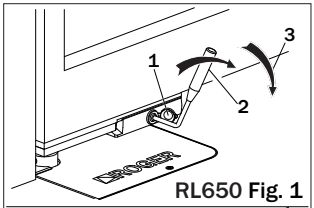


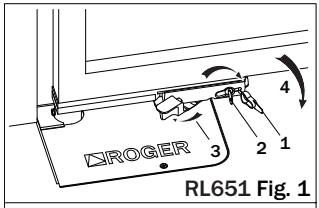
Fig. 2

BR21 - R21 Series

UNLOCKING, RL650(fig. 1)
Remove the lock cover (ref. 1), fit the lock release lever included and turn by approximately 120° towards the centre of the gate (ref. 2). Manoeuvre the gate manually (ref. 3).

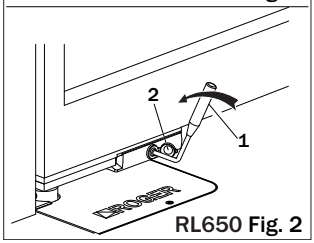


RL650 Fig. 1

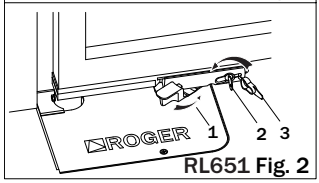


RL651 Fig. 1

LOCKING RL650 (fig. 2)
With the gate open, fit the lock release lever and rotate towards the gate hinges to return it to its original position. Fit the lock cover. The release system re-engages automatically when the gate is manoeuvred again.



RL650 Fig. 2



RL651 Fig. 2

UNLOCKING RL651
(Fig. 1) Remove the lock cover (ref. 1), insert the lock release key included and turn by approximately 90° towards the centre of the gate (ref. 2) without removing the key. Pull the lever to open completely (ref. 3). Manoeuvre the gate manually (ref. 4).

LOCKING RL651
(Fig. 2) With the gate open, turn the release lever (ref. 1) to return it to its original position. Turn the key by 90° towards the gate hinges (ref. 2). Fit the lock cover (ref. 3). The release system re-engages automatically when the gate is manoeuvred again.

5 Environmental requisites

ROGER TECHNOLOGY products consist of electronic components and may also be equipped with batteries containing substances that are harmful to the environment.
Disconnect from mains electricity before removing electronic components and the battery.
Observe local regulations for disposing of used materials and packaging. Disposing correctly of products when no longer in use will contribute to preventing harm to the environment and to human health.
To dispose correctly of electric and electronic devices and batteries, the owner or user must deliver them to specialised differentiated refuse collection centres operated by local authorities.

6 Troubleshooting

Problem	Possible cause	Solution
Gate does not open and does not close	No power	Check mains power supply
	Gear motor unlocked	Lock the gear motor. See instructions for unlocking.
	Transmitter battery flat	Replace batteries
	Transmitter broken	Contact technical support service
	STOP button stuck or faulty	Contact technical support service
	Open/close buttons or key selector switch stuck	Contact technical support service
Gate opens but does not close	Obstacle detected by photocells	Check if photocell lenses are clean and check operation of photocells
	Sensing edge malfunction	Contact technical support service
Gate closes but does not open	Sensing edge malfunction	Contact technical support service
Flashing light not working	Bulb blown	Replace bulb.

7 Installation details

INSTALLER COMPANY

Trading name		
Address (Street No, street etc.)		
PO CODE	*City*	*Prov.*
Telephone no.	*E-mail*	

INSTALLER

Name	*Surname*
Mobile	*E-mail*

Client

Name	*Surname*	
Installation site address (Street No, street etc.)		
PO CODE	*City*	*Prov.*
Telephone no.	*E-mail*	

INSTALLATION APPLICATION


RESIDENTIAL ☐


CONDOMINIUM ☐


INDUSTRIAL ☐


COMMERCIAL ☐


PARKING ☐

INSTALLATION DETAILS

1. Material:

Iron ☐ *Cast iron* ☐ *Wrought iron* ☐
Steel ☐ *Aluminium* ☐ *Wood*☐
Other ☐ _____

2. Door leaf:

Solid ☐ *Slats* ☐

3. Dimensions (LxH) _____

4. Weight (kg) _____

5. Structure:

Open position mechanical stops ☐
Closed position mechanical stops ☐

PRODUCTS INSTALLED

MOTOR

R20/300 □
R20/302 □
R20/500 □
R20/502 □

KIT R20/310 □
KIT R20/510 □

BRUSHLESS
BR20/300 □
BR20/500 □
KIT BR20/310 □
KIT BR20/510 □

M20/340 □

SET M20/342 □

BRUSHLESS
BM20/340 □

SET BM20/342 □

BRUSHLESS

BE20/200 □

KIT BE20/210 □

H20/370 □
H20/500 □

BRUSHLESS
SMARTY5 □
SMARTY5R □
SMARTY7 □
SMARTY7R □

R23/371 □
R23/372 □

SET R23/373 □
SET R23/374 □

H23/282 □

SET H23/284 □

BRUSHLESS
BH23/282 □
SET BH23/284 □

R21/351 □
R21/351SUB □
R21/361 □
R21/362 □
R21/362SUB □
R21/368 □
SET R21/353 □
SET R21/354 □
SET R21/356 □

BRUSHLESS
BR21/351 □
BR21/361 □
BR21/362 □

SET BR21/354 □

CONTROL UNIT

ROGER

H70/200AC □
B70/2DC □
B70/2DCHP □

Rev. _____

OTHER COMPANY □

_____
(Specify model)

RADIO RECEIVERS AND REMOTE CONTROLS

H93/RX22A/I □
H93/RX2RC/I □

R93/RX12A/I □
R93/RX2RC/U □

R93/RX14M/24 □

RADIO RECEIVER

ROGER □

OTHER COMPANY □

_____
(Specify model)

E80/TX52R/2 □

E80/TX54R/2 □

E80/TX2R/RC □

E80/TX4R/RC □

H80/TX22 □

M80/TX44R □

PHOTOCELLS

R90/F2ES □
R90/F4ES □

G90/F2ES □
G90/F2ESI □
G90/F4ES □

G90/F2ES/TRIX/TX □
G90/F2ES/TRIX/RX □
G90/F4ES/TRIX/TX □
G90/F4ES/TRIX/RX □

M90/F2ES □

M90/F2ESO □

T90/F2S □
T90/F4S □

Number of TX/ RX sets	1 □	2 □	3 □	4 □	___ □

ACCESSORIES

R85/60ES □
R85/60EAS □
R85/60EAS/TRIX □
R85/60EAE □
R85/60EAE/TRIX □
R85/60IS □
R85/60IAS □
R85/60IAE □

H85/TDS/E □
H85/TDS/I □
H85/TDS/TRIX □
H85/TDR/E □
H85/TDR/I □
H85/TDR/TRIX □

H85/TTD/E □
H85/TTD/I □
H85/TTD/TRIX □

R92/LED24 □
R92/LED230 □
R92/LR3 □

R91/AN1/LR1 □
R91/AN1/P1 □

ACCESSORIES

ROGER □

OTHER COMPANY □

_____
(Specify model)

_____
(Specify model)

CFT500 □
CFT501 □

TRIX50 □
TRIX100 □
TRIX50/G90 □
TRIX100/G90 □

ADDITIONAL ACCESSORIES

Use and maintenance manual handed to client: (place and date) _____

Installer signature: _____

Client signature: _____

8 Maintenance log

Trading name and address (or stamp) of maintenance company

Corrective action 1

Date of work: _____

Description of work:

_____

_____

_____

_____

_____

_____

Replacement YES ☐ NO ☐

Reason for replacement:

_____

_____

_____

Material replaced:

_____

_____

_____

Date:	Technician signature:	Client signature:
_____	_____	_____
		Signature for acceptance

Trading name and address (or stamp)
of maintenance company

Corrective action 2

Date of work: _____

Description of work:

_____

_____

_____

_____

_____

_____

Replacement YES ☐ NO ☐

Reason for replacement:

_____

_____

_____

Material replaced:

_____

_____

_____

Date:	Technician signature:	Client signature:
_____	_____	_____
		Signature for acceptance

Trading name and address (or stamp)
of maintenance company

Corrective action 3

Date of work: _____

Description of work:

_____

_____

_____

_____

_____

_____

Replacement YES ☐ NO ☐

Reason for replacement:

_____

_____

_____

Material replaced:

_____

_____

_____

Date:	Technician signature:	Client signature:
_____	_____	_____

Signature for acceptance

Trading name and address (or stamp)
of maintenance company

Corrective action 4

Date of work: _____

Description of work:

_____

_____

_____

_____

_____

_____

Replacement YES ☐ NO ☐

Reason for replacement:

_____

_____

_____

Material replaced:

_____

_____

_____

Date:	Technician signature:	Client signature:
_____	_____	_____
		Signature for acceptance

Trading name and address (or stamp)
of maintenance company

Corrective action 5

Date of work: _____

Description of work:

_____

_____

_____

_____

_____

_____

Replacement YES ☐ NO ☐

Reason for replacement:

_____

_____

_____

Material replaced:

_____

_____

_____

Date:	Technician signature:	Client signature:
_____	_____	_____
		Signature for acceptance

Initial test report

CLIENT COPY

Installer details

Document No.: _____

Product description: _____

_____

_____

B.code: _____

CLIENT		
Name	Surname	
Address of installation (Street No., street etc.)		
PO CODE	City	Prov.
Telephone no.	E-mail	

THE AFOREMENTIONED PRODUCT HAS SUCCESSFULLY PASSED INITIAL TESTING

PRELIMINARY CHECKS	
☐	Product complete and undamaged
☐	In-built safety devices undamaged
☐	No visible defects

CHECK AFTER ASSEMBLY	
☐	All components assembled correctly
☐	All signage in place (gate warning sign)
☐	Mechanical protective devices
☐	Electrical hazard warning signs
☐	Mechanical hazard warning signs
☐	Residual risk warning signs

FUNCTIONAL TESTS	
☐	Test opening and closing of system unconnected to gate
☐	Start and stop devices
☐	Emergency stop devices
☐	Safety devices
☐	Adjustments and settings

PERFORMANCE TESTS	
☐	Performance as indicated
☐	Noise when operating within acceptable limits
☐	No hazardous emissions
☐	No damage found after testing

Note:

- The report certifying the successful outcome of the initial tests described above constitutes proof of conformity of the product and the formal act of final delivery of the product in its place of installation and use.
- By signing this report, the client:
  - confirms that the functional characteristics of the product fulfil their required specifications and accepts delivery of the product itself;
  - declares that they have received the use and maintenance instructions for this product, that they have read the instructions and that they will make the instructions available to any person authorised to use the product. declares that they have been informed of all legislative requirements regarding the usage of the product;
  - undertakes to ensure that the product is used correctly and will be maintained adequately and kept in proper working order as indicated in the use and maintenance instructions;
  - declares that they have received the EC Declaration of Conformity (in compliance with Annexe IIA of EC Directive 98/37/EC).

Place and date _____

Installer signature:	_____	Client signature:	_____

Initial test report

INSTALLER COPY

Installer details

Document No.: _____

Product description: _____

_____

_____

B.code: _____

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Telephone no.	E-mail	

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Place and date _____

Installer signature:	_____	Client signature:	_____

ROGER TECHNOLOGY
AUTOMAZIONI EVOLUTE

ROGER TECHNOLOGY
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