

# **USE AND** MAINTENANCE MANUAL **Barriers**



















Rev.02 26/03/2020



### 1 ATTENTION: IMPORTANT SAFETY INSTRUCTIONS



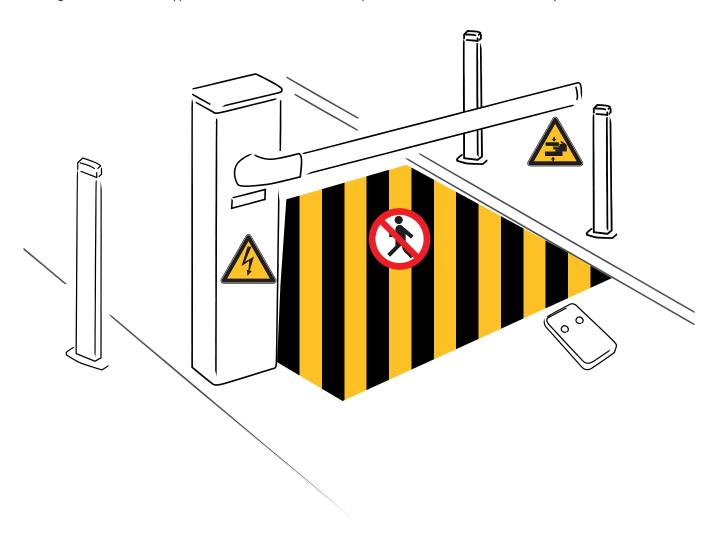
### IT IS IMPORTANT FOR THE SAFETY OF PERSONS TO OBSERVE THESE INSTRUCTIONS

- √ Failure to observe the information given in this manual may result in personal injury or damage to the equipment.
- $\sqrt{\phantom{a}}$  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.
- $\sqrt{\phantom{a}}$  These instructions must be kept and must be made available to any other persons authorised to use the installation.
- $\sqrt{\phantom{a}}$  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.
- $\sqrt{}$  Keep away from hinges and moving parts.
- $\sqrt{\phantom{a}}$  Keep out of the area of action of the motorised door or gate while it is moving.
- $\sqrt{}$  Never try to stop the motorised door or gate while it is moving as this may be dangerous.
- $\sqrt{}$  It is forbidden to tamper with the settings setted.
- √ 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.
- $\sqrt{}$  Keep feet away from the bottom of the motorized door or gate during their operation.
- $\sqrt{}$  Do not operate the motorized door or gate by remote control unless they are in view.
- √ Ensure that a qualified installer periodically carries out maintenance on the motorized door or gate (from 3 to 12 months).
- √ 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.
- $\sqrt{}$  Immediately stop using the automatism if faults occur and contact support.
- $\sqrt{\ }$  In case of doubts about the functioning of your motorized door or gate, contact a qualified installer.
- $\sqrt{\phantom{a}}$  Failure to observe these instructions may lead to danger.

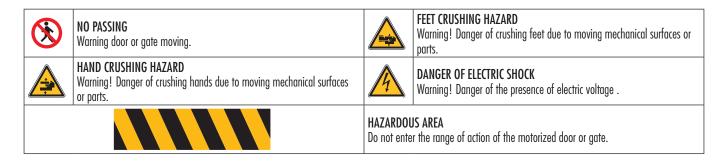
# 2 Important information for risk analysis



The diagram below shows a typical installation, which details the potential hazards associated with any automated barrier.



### **LEGENDA:**



# 3 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.

### 4 Maintenance

The ROGER TECHNOLOGY automation system for sliding 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.

RÖGER 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.

### 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.

### 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 the guide rails and the rack and pinion of the gear motor.
- Lightly lubricate the rack and pinion of the gear motor. 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.

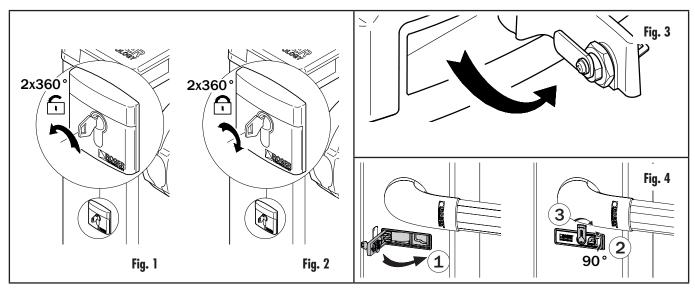


# **5** Unlock instructions

Warning: always disconnect the installation from mains electricity and, if applicable, from the batteries before unlocking and locking the automation system.

In the event of a blackout, malfunction or ordinary and extraordinary maintenance, the barrier must be unlocked. The unlocking operation must be carried out with the rod in the closed position.

Make sure that people, things or animals are not within range of the barrier during the unlocking operation.



### **TO UNLOCK**

AGILIK: Insert the supplied key and turn it 360° anti-clockwise twice (fig. 1).

Move the rod manually.

BIONIK: Open the lock cover flap (fig. **3** rif. **1**). Insert and turn the supplied key 90° clockwise (fig. **3** rif. **2**). Open the release door completely (fig. **3** rif. **3**).

Move the rod by hand.

### TO LOCK

AGILIK: To relocate the barrier, turn the key 360° clockwise twice (fig. 2). Remove the key.

BIONIK: To relock the barrier, close the release door by turning the key 90° clockwise, paying attention to your fingers. With the door closed (fig. 4 rif. 1), turn the key 90° counterclockwise (fig. 4 rif. 2). Remove the key and close the lock cover (fig. 4 rif. 3).

# **6 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.

# 7 Troubleshooting

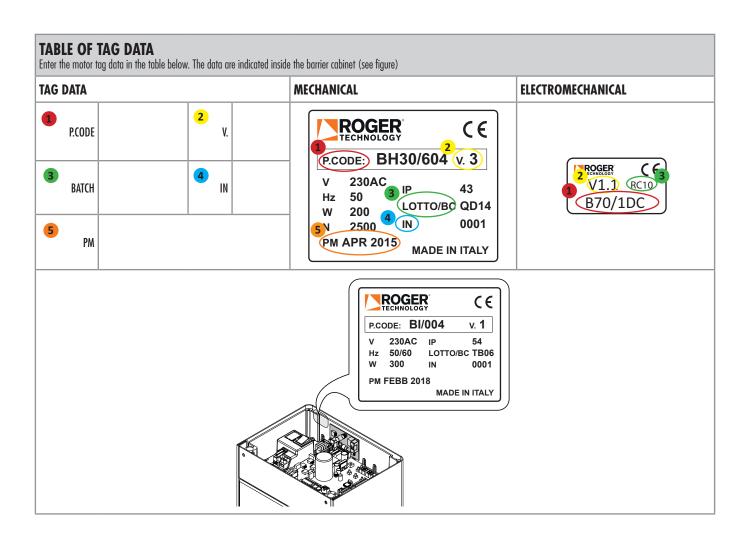
Problem	Possible cause	Solution
Barrier does not open and does not close	No power	Check mains power supply
	Gear motor unlocked	Lock the gear motor. See instructions for unlocking
	Transmitter battery flat	Replace batteries
	Transmitter broken	Contact technical support service
	STOP button stuck or faulty	Contact technical support service
	Open/close buttons or key selector switch stuck	Contact technical support service
Barrier 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
Barrier closes but does not open	Sensing edge malfunction	Contact technical support service
Flashing light not working	Bulb blown	Replace bulb

# 8 Installation details

<b>INSTALLER COMPANY</b>	,							
Trading name								
Address (Street No, street etc.)								
PO CODE	City						Country	
Telephone no.		E-mail						
INSTALLER								
Name		Surname						
Mobile		E-mail						
CUSTOMER								
Name		Surname						
Installation site address (Street No., s	street etc.)							
PO CODE	City						Country	
Telephone no.		E-mail						
INSTALLATION APPLIC	CATION							
RESIDENTIAL	C	ONDOMINIUM	INDUSTRIAL	COMMERC	AL	PARKING		
INSTALLATION DETAILS								
1. Dimensions Passage Compartme	<b>ent</b> (m)			2. Rod length (m)				
5. Structure:				6. Type of spring / Diame	ter Ø			
With fixed support With mobile support With rack With junction With joint				SP/48/01 Ø48 SP/61/01 Ø61 SP/72/01 Ø72 SP/83/01 Ø83 SP/85/01 Ø85 SP/85/AS/02 Ø85				

<b>PRODUCTS INSTALL</b>	ED										
MOTOR											
	BI/00 BI/00 BI/00	4/115					BI/008 BI/008,	/115 C		II	
	BI/00 BI/00 BI/00 BI/00 BI/00 BI/00	1/PE 4/HP 4/HP/115 4/HP/IS 6 6/115	000000						• OTHER CO		
RADIO RECEIVERS AND	REMOTE CO				C. C		Pice	vec J	RADIO RECEIVERS  • ROGER • OTHER CO		
		H93/RX2	22A/I 🗆 RC/I 🗆 20/I 🗆					R93/RX12A/I □ R93/RX2RC/U □ R93/RX20/U □	(Specify model	)	
SYNUS/	2 🗆	T80/	∕TX2 □		E80/ E80/	/TX52R/2 □ /TX54R/2 □		E80/TX2R/RC CE80/TX4R/RC C		M80/TX4	4R □
PHOTOCELLS											
00						about 1	SP200A				
R90/F4ES	G90/F2ES G90/F2ESI G90/F4ES G90/F4ESI		G90/F4E	S/TRIX/TX S/TRIX/RX S/TRIX/TX S/TRIX/RX				M90/F4ESO	T90/F2S T90/F4S		
Number of pairs		1 🗆			2 🗆		3 🗆	4 🗆			_ 🗆

ACCESSORIES								
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,		9 9	1					ACCESSORIES
1								ROGER     OTHER COMPANY     (Specify model)
		CFT500 □ CFT501 □		TRIX50 TRIX100 TRIX50/G90 TRIX100/G90			CRA50 CRA100 CRA/BAR	(Specify model)
ADDITIONAL ACCE	SSORI	ES						



Installation date							
Use and maintenance manual handed to client: (place and date)							
Installer signature:		Customer signature:					

# **Initial** test report

**CUSTOMER COPY** 

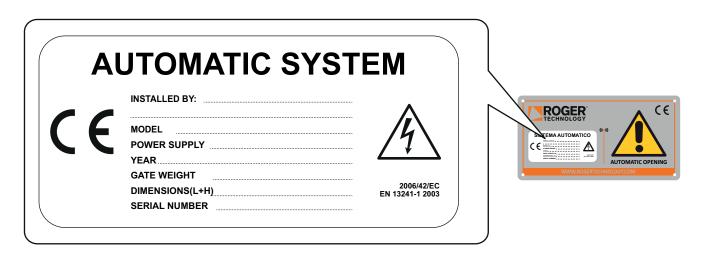
	Installer details		Document No:	
			Product description:	
			B.code:	
CUSTOMER				
Name		Surname		
Address of installation (Street, Square,)		1		
PO CODE	City			Prov.
Telephone no.		E-mail		1

### THE ABOVE PRODUCT HAS SUCCESSFULLY PASSED INITIAL TESTING

### PRELIMINARY CHECKS **FUNCTIONAL TESTS** Product complete and undamaged Test opening and closing of system unconnected to gate In-built safety devices undamaged Start and stop devices No visible defects Emergency stop devices **CHECK AFTER ASSEMBLY** Safety devices All components assembled correctly Adjustments and settings All signage in place (gate warning sign) **PERFORMANCE TESTS** Mechanical protective devices Performance as indicated Electrical hazard warning signs Noise when operating within acceptable limits Mechanical hazard warning signs No hazardous emissions Residual risk warning signs No damage found after testing

Note:	

- The passing of the above mentioned tests allows the product to be considered suitable for use; it is also the formal act of final delivery of the product in its place of installation and use.
- The CE plate applied to the motorized door or gate must be similar to the one shown below.
  The technician installer fully confirms the measurements and details of all the functional checks and tests indicated above.
- By signing this report, the customer:
- 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).



(\*) INDICATE IN THE TARGET HERE ABOVE THE DATA RELATING TO THE SLIDING GATE REQUIRED.

Place and data _		
Installer signature	Customer signature	



# **Initial test report**

**INSTALLER COPY** 

Г	Installer details	$\neg$	Document no:	
			Product description :	
			B.code:	
CUSTOMER				
Name		Surname		
Address of installation (Street, Square,)				
PO CODE	City			Prov.
Telephone no.		E-mail		

### THE ABOVE PRODUCT HAS SUCCESSFULLY PASSED INITIAL TESTING

PRELIMINARY CHECKS **FUNCTIONAL TESTS** Product complete and undamaged Test opening and closing of system unconnected to gate In-built safety devices undamaged Start and stop devices No visible defects Emergency stop devices **CHECK AFTER ASSEMBLY** Safety devices All components assembled correctly Adjustments and settings All signage in place (gate warning sign) **PERFORMANCE TESTS** Mechanical protective devices Performance as indicated Electrical hazard warning signs Noise when operating within acceptable limits Mechanical hazard warning signs No hazardous emissions Residual risk warning signs 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.
- The CE plate applied to the motorized door or gate must be similar to the one shown below.
- The technician installer fully confirms the measurements and details of all the functional checks and tests indicated above.
- By signing this report, the customer:
- 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).

# AUTOMATIC SYSTEM INSTALLED BY: MODEL POWER SUPPLY YEAR GATE WEIGHT DIMENSIONS(L+H) SERIAL NUMBER RAUTOMATIC SYSTEM 2006/42/EC EN 13241-1 2003

(\*) INDICATE IN THE TARGET HERE ABOVE THE DATA RELATING TO THE SLIDING GATE REQUIRED.

Place and data _		
Installer signature	Customer signature	

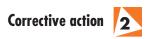




# 9 Maintenance log



			20	irective action
Г	Trading name and address (or stamp) of maintenance company	$\neg$		
			Date of work:	
Description of wo	rk:			
Replacement Reason for replac	YES NO no mement:			
Material replaced	:			
Date:	Technician signature:		Client signature:	



Trading name	and address (or stamp) of maintenance company	$\neg$	
			Date of work:
L			
Description of work:			
Replacement YES	5 NO		
Reason for replacement:			
Material replaced:			
	T 1 · · ·		
Date:	Technician signature:		Client signature:





	and address (or stamp) of maintenance company	
		Date of world
		Date of work:
Description of work:		
Replacement YES	NO NO	
replacement 123	l No	
Reason for replacement:		
Material replaced:		



Trading name o	and address (or stamp) of maintenance company	_	
			Date of work:
			buto of work.
Description of works			
Description of work:			
Replacement YES	NO NO		
Reason for replacement:			
nouson for replacement.			
Material			
Material replaced:			
Date:	Technician signature:		Client signature:





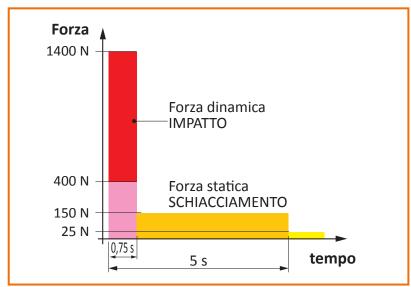
	and address (or stamp) of maintenance company	_	
			Date of works
			Date of work:
Description of work:			
Donlarsmant VCC	NO		
Replacement YES	NO		
Reason for replacement:			
Material replaced:			
Material replaced:  Date:	Technician signature:		Client signature:

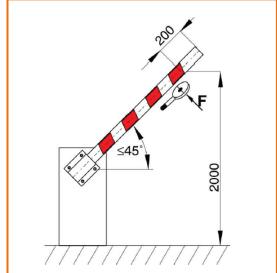
# 10 Monthly maintenance checks

To avoid problems it is important to perform simple maintenance checks on your automation on a monthly basis. Some basic information on the maintenance of your automation are indicated in chapter 4 of this USER MANUAL. Below you will find a summary table to record your checks.

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### 11 Force test measurements





The force measurement data sheet is an important document for certification in compliance with the EC Directive. It is important that the forces exerted by the automatic gate are within the permitted values.

To perform this test, a calibrated and compliant force test instrument must be used. The attached sheet allows you to analyze the passage space, together with the tables on which to record the test results. We have also provided guidance on positions in which to measure forces. Each test should be repeated at least 3 times to obtain an average result.



The number of positions to be measured varies according to the situation. Measurements must be made at each point where the gate could have a crush point.

On a sliding gate the forces must be measured on the closing edge and on the opening edge, and on all those points where the gate could represent a crushing or entrapment hazard.

We have provided about 13 tables in which to record the measured data, in any case, it may not be necessary to use each table. It is important that the installer decide how many tests are necessary for each installation.

# 12 Force measurement technical sheet

System:
Date of test:
Date of measurement :
Serial number:
Date of the last calibration:

POINT#1	TEST RESULT: POSITIVE □ FAILED □					
TEST	Fd (N)	Td (s)	Fs (N)	Fe (N)		
1						
2						
3						
MEDIA						

POINT #1	TEST RESULT: POSITIVE  FAILED						
TEST	Fd (N)	Td (s)	Fs (N)	Fe (N)			
1							
2							
3							
MEDIA							

	POINT#1	TEST RESULT: POSITIVE □ FAILED □					
	TEST	Fd (N)	Td (s)	Fs (N)	Fe (N)		
	1						
Ī	2						
Ī	3						
	MEDIA						

POINT #1 TEST RESULT: POSITIVE □ FAILED □					
TEST	Fd (N)	Td (s)	Fs (N)	Fe (N)	
1					
2					
3					
MEDIA					

POINT#1	TEST RESULT: POSITIVE 🗆 FAILED 🗆					
TEST	Fd (N)	Td (s)	Fs (N)	Fe (N)		
1						
2						
3						
MEDIA						

POINT#1	POINT#1 TEST RESULT: POSITIVE □ FAILED □					
TEST	Fd (N)	Td (s)	Fs (N)	Fe (N)		
1						
2						
3						
MEDIA						

POINT#1	TEST RESULT: POSITIVE □ FAILED □			
TEST	Fd (N)	Td (s)	Fs (N)	Fe (N)
1				
2				
3				
MEDIA				

POINT#1	TEST RESULT: POSITIVE □ FAILED □			
TEST	Fd (N)	Td (s)	Fs (N)	Fe (N)
1				
2				
3				
MEDIA				

POINT#1	TEST RESULT: POSITIVE □ FAILED □			
TEST	Fd (N)	Td (s)	Fs (N)	Fe (N)
1				
2				
3				
MEDIA				

POINT#1	TEST RESULT: POSITIVE $\square$ FAILED $\square$				
TEST	Fd (N)	Td (s)	Fs (N)	Fe (N)	
1					
2					
3					
MEDIA					

POINT #1	TEST RESULT: POSITIVE □ FAILED □			
TEST	Fd (N)	Td (s)	Fs (N)	Fe (N)
1				
2				
3				
MEDIA				

POINT #1	TEST RESULT: POSITIVE □ FAILED □			
TEST	Fd (N)	Td (s)	Fs (N)	Fe (N)
1				
2				
3				
MEDIA				

POINT #1	TEST RESULT: POSITIVE □ FAILED □			
TEST	Fd (N)	Td (s)	Fs (N)	Fe (N)
1				
2				
3				
MEDIA				

# 13 EC Declaration of Conformity (according to Annex II A of the Machinery Directive 2006/42 / EC)

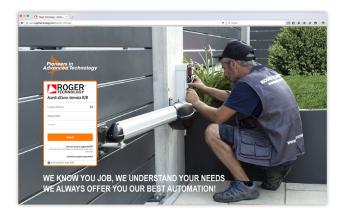
The legal representativ	ve of the company:				
Company name					
Legal address					
Fiscal Code or VAT number:					
Telephone:		e-mail address			
Name and address of th	ne person authorized to set up the	technical file:	'		
	responsibility that the product	t / s named:	Batch and serial number		
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Plant location		I			
Reference name:					
Telephone:		e-mail address			
Machinery Directive 2 Low Voltage Directive Electromechanical Co RTT&E Directive 201 The products included in EN 13241-1 EN 12453 EN 12445 The validity refers to what wa The validity lapses in the case 1. Changes are made to the	p 2014/35/EU mpatibility Directive 2014/30/EU 4/53/EU a this declaration are installed in a lindustrial, commercial and garage Industrial, commercial and garage Industrial, commercial and garage Industrial, commercial and garage is done and used by the declarant, for the self-industrial by the following points: the product, not authorized by the declarations set by the Declarant are expected, of the product.	compliance with th doors and gates. Pro doors and gates. Saf doors and gates. Saf e construction and oper nt;	ne applicable parts of the f aduct standards. fety in use of motorized doo fety in use of motorized doo ation of the above mentioned p	ollowing standards: rs - Requirements rs - Test methods.	
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