

Motoriduttore Snodato per Ante da 2mt
Swivel reduction gear for doors of 2m
Motoréducteur Articulé pour Portes de 2 m
Gelenkantrieb für Türen von 2 m
Motorreductor Articulado para Puertas de 2 m
Moto-redutor Articulado para Portas de 2m

900SN-20CS

900SN-20



IT MANUALE ISTRUZIONI
GB INSTRUCTION MANUAL
F MANUEL D'EMPLOI
D BEDIENUNGSANLEITUNG
E MANUAL DE INSTRUCCIONES
P MANUAL DE INSTRUÇÕES



CE

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GB

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THIS BOOKLET IS TO BE USED ONLY BY THE INSTALLER

Installation must be carried out only by professionally qualified personnel in compliance with current legal requirements.

SAFETY

Congratulations on your choice of our product.

This manual will aid you in installing your reduction gear.

As you read through it, you will find not only explanations on the operation of the reduction gear, but also on safety standards that you must comply with for perfect operation and maximum safety.

To prevent damage to your unit and to avoid injury to yourself or others, before installing the reduction gear and its components, carefully read all of the following information on safety standards.

Keep this information so that anyone who will be using the unit can refer to it.

No liability shall be accepted for the consequences of failure to comply with the precautions provided.

! If the unit malfunctions, shut it off immediately.

! When making repairs, make sure the electrical supply is disconnected.

! Do not attempt to disassemble the unit if you are not an authorized installer.

! Do not expose to flames or sources of heat. Do not immerge in water or other liquids.

! Use suitable power cables.

! Supervise the door when it is moving. Keep people away from it until it is completely open or closed.

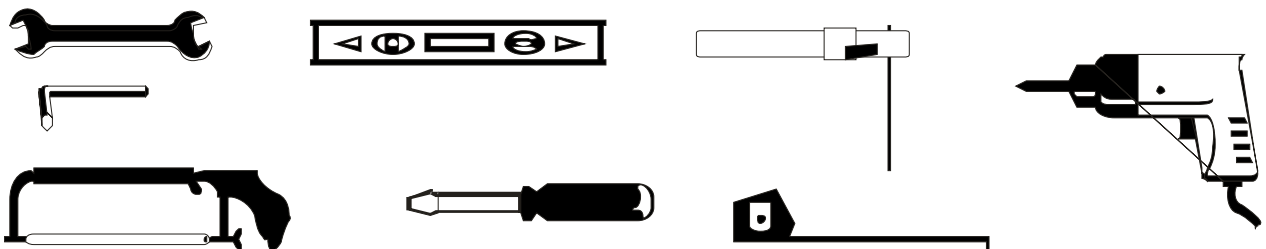
SAFETY STANDARDS

During installation and use of this automation, carefully follow these safety standards:

	USE GLOVES!		ATTENTION! DO NOT INSTALL THE AUTOMATION IN ENVIRONMENTS THAT ARE SATURATED WITH EXPLOSIVE MIXTURES!		ATTENTION! MECHANISMS IN MOVEMENT!
	ATTENTION! SAFE DISTANCE			LEAVE GUARD IN PLACE!	
	USE WELDING GOGGLES!		ATTENTION! ELECTRICAL SHOCK!		

EQUIPMENT

To install the automation, you will need the following equipment: wrenches, screwdrivers, tape measure, level, saw, drill, welder.



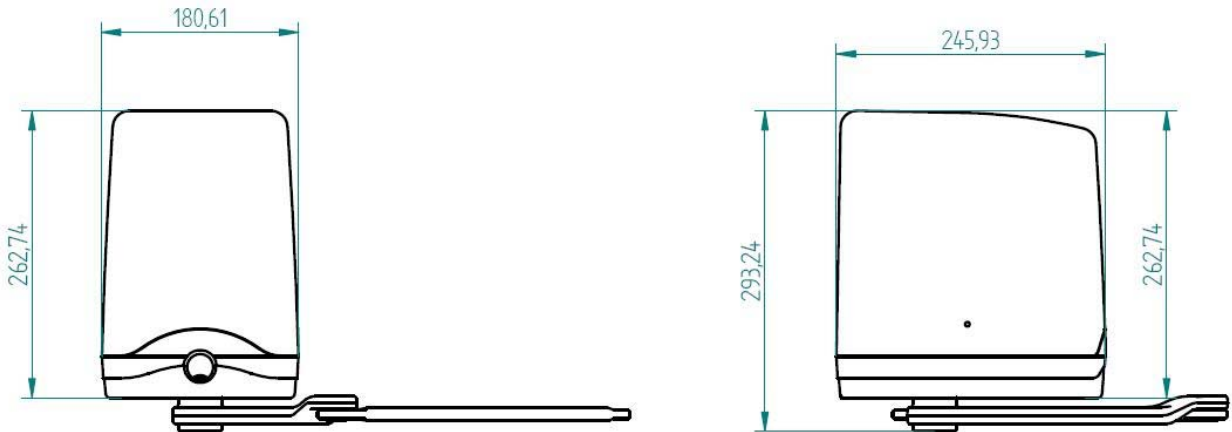
MODELS AND CHARACTERISTICS

900SN-20CS	With on-board control	Irreversible electromechanical reduction gear for gates with doors of up to 2 metres
900SN-20	Without on-board control	

TECHNICAL DATA

	900SN-20CS / 900SN-20
POWER SUPPLY	24 V DC
NOMINAL INPUT POWER	120W
MOTOR INPUT	5A
FORCE	1200N
OPENING TIME	11.5 SEC
WEIGHT	8.9Kg / 7.5Kg
MAXIMUM DOOR LENGTH	2 m
DOOR OPENING	90° / 110° MAX
TEMPORARY SERVICE	80%
OPERATING TEMPERATURE	-20°/+70°C
DEGREE OF PROTECTION	IP 63

DIMENSIONS



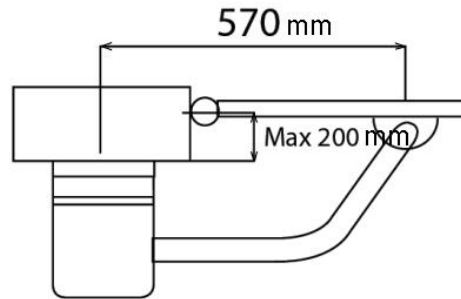
It is advisable to read the instructions carefully before you start installation.

Failure to comply with these instructions, improper use or incorrect connection may compromise the safety or correct operation of the device and hence of the entire system.

No liability shall be accepted for any malfunctions and/or damage due to failure to comply with the instructions.

The company reserves the right to make improvements to the products.

FASTENING OF ARM TO GATE / PRELIMINARY CHECKS



Before starting installation, you should carry out the following checks, as well as making sure the structure is compliant with current standards. Specifically:

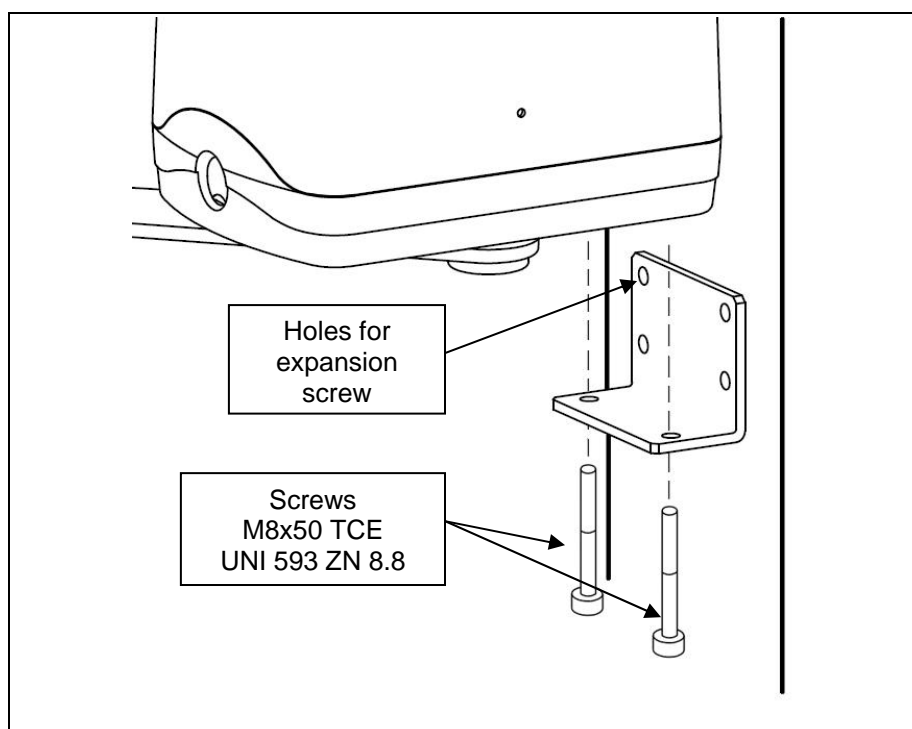
- Check that the wall and/or column are in good condition. If they are not, the fastening points will need to be reinforced.
- Make sure that the travel of the doors is not obstructed in any way. There must be no friction on the door, either while opening or closing. If it is stopped in any position it must not move. During movement it must not slip.



May not be placed in service until the machine into which it will be incorporated has been declared compliant with the provisions of EEC directive 22/06/98.

ASSEMBLY

Open the packaging and check the condition of all the parts of the automation.

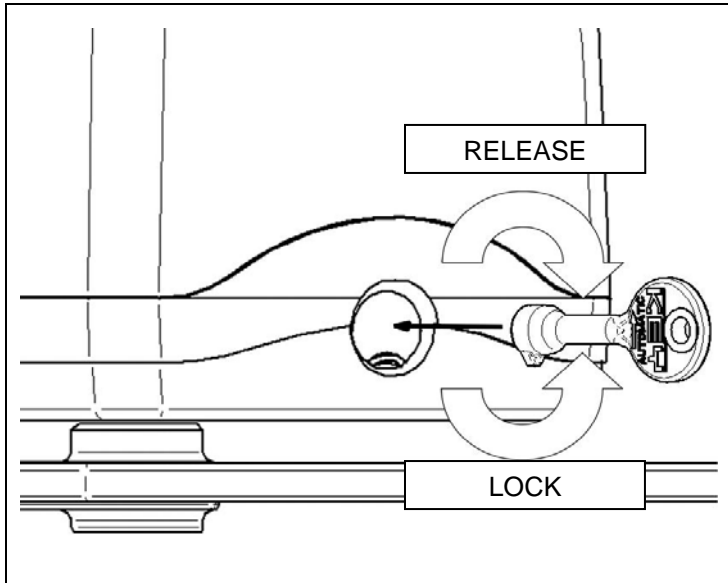


RELEASE

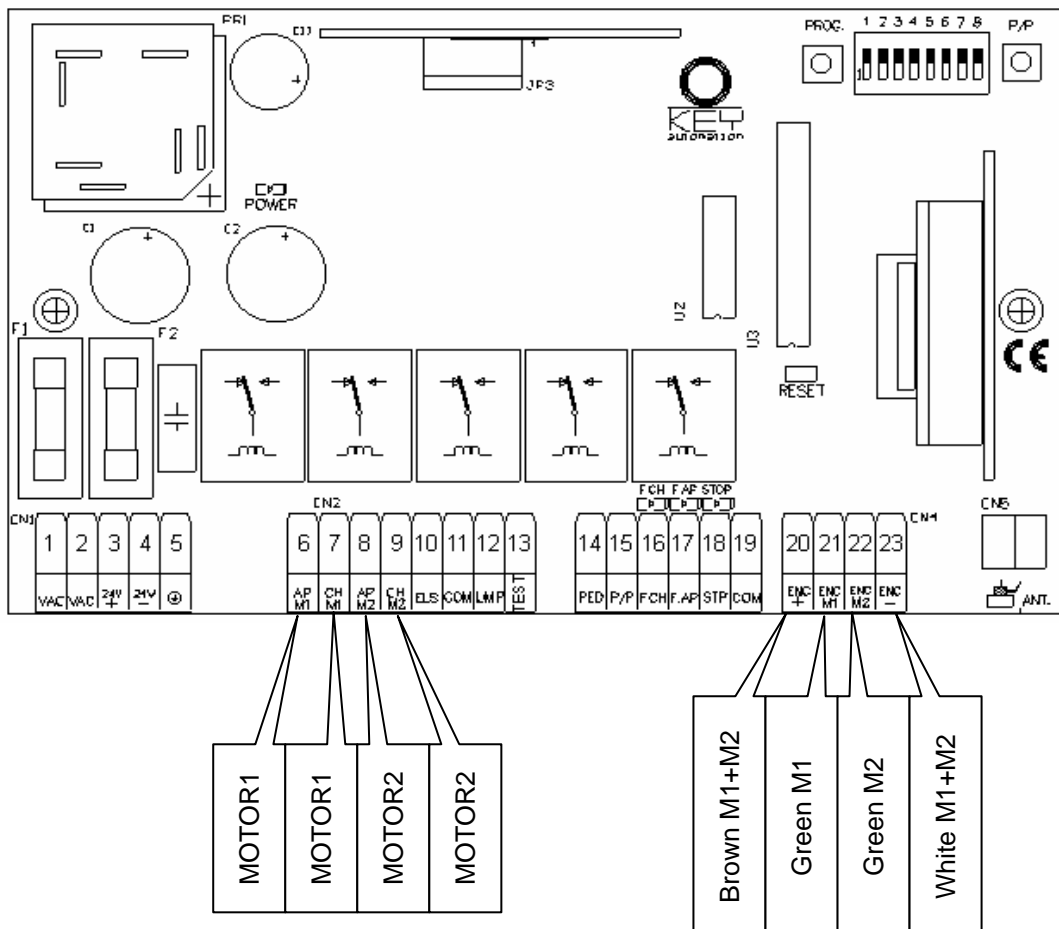
To release the motor, proceed as follows:

- 1) lift the plastic door on the front of the motor.
- 2) Insert the triangle key;
- 3) Turn the key clockwise until it clicks;

To lock it again, turn counter-clockwise to the initial position.



CONNECTION OF ENCODER AND MOTOR POWER SUPPLY



MAINTENANCE



DANGER: for any kind of maintenance, disconnect the power supply.
The reduction grease is supplied with permanent lubrication grease and therefore does not require maintenance.
Cables, springs, and supports do not require periodic maintenance.
In the event of malfunction, the system must not be used. Contact specialized personnel.

GENERAL WARNINGS

- Attach labels that warn against crushing in a highly visible place or near the fixed controls
- Permanently attach the labels concerning manual release and place them near the manoeuvre device
- Markings must be visible even after the device has been installed. If markings are hidden after installation, this must be indicated in the instructions.
- The movement motors must be provided with a label that instructs to keep children away from the moving door, or place the appropriate symbol (ISO 3864, see symbol)

FINAL RECOMMENDATIONS

Keep the remote control out of the reach of children and do not let them play with the control devices.

- Provide the system with safety devices such as photocells and a sensitive rib.
- Construct the system in compliance with current standards.
- It is absolutely necessary for the door to be provided with stops prior to installation of the reduction gear.
- All maintenance, repair and adjustment must be carried out by qualified personnel.
- Motors with pressure-sensitive systems must be equipped with a label that says **ATTENTION: RISK OF CRUSHING**

1	440C6201	27	410AD22
2	410AD18	28	400DAM8
3	490PSB50I	29	390V5X90TCE
4	480CD47-2Z36	30	900TRASTORCT2
5	410L6X6X30	31	410DIS10X28
6	430MSBLSN20	32	480CD107Z51M3
7	430VSFD27M2	33	490AL21VERSCA
8	410RPS25X4FIS	34	410L8X7X15
9	390V8X20TPS	35	490LSBSN20
10	450BR16H8	36	430MSBLPS
11	500BRMOT	37	490NOTSBLSN20
12	500BRCANC	38	570TSERSN20
13	390V8X50TCE	39	390V6-3X19
14	400DAM10B	40	500SEMSN-20S
15	700BOCD24X12	41	340MOPF
16	390V10X35TCE	42	390V2-9X16C
17	520STBRAR	43	430VSFD20M125
18	520STARMUR20	44	470MOPSENC
19	570CAST-20	45	390V4-2X13I
20	390V3-9X9-5C	46	570CSN-20
21	390V2-9X9-5	47	410SE3X14
22	800CT-2-24S	48	420CHSBPS2
23	390V2-2X9-5S	49	390V5X10TCE
24	570CCTSN-20	50	570ROPLD16H3
25	500SEMSN-20I	51	410DISCPLA80
26	440C6205		

