TURNSTILES.us

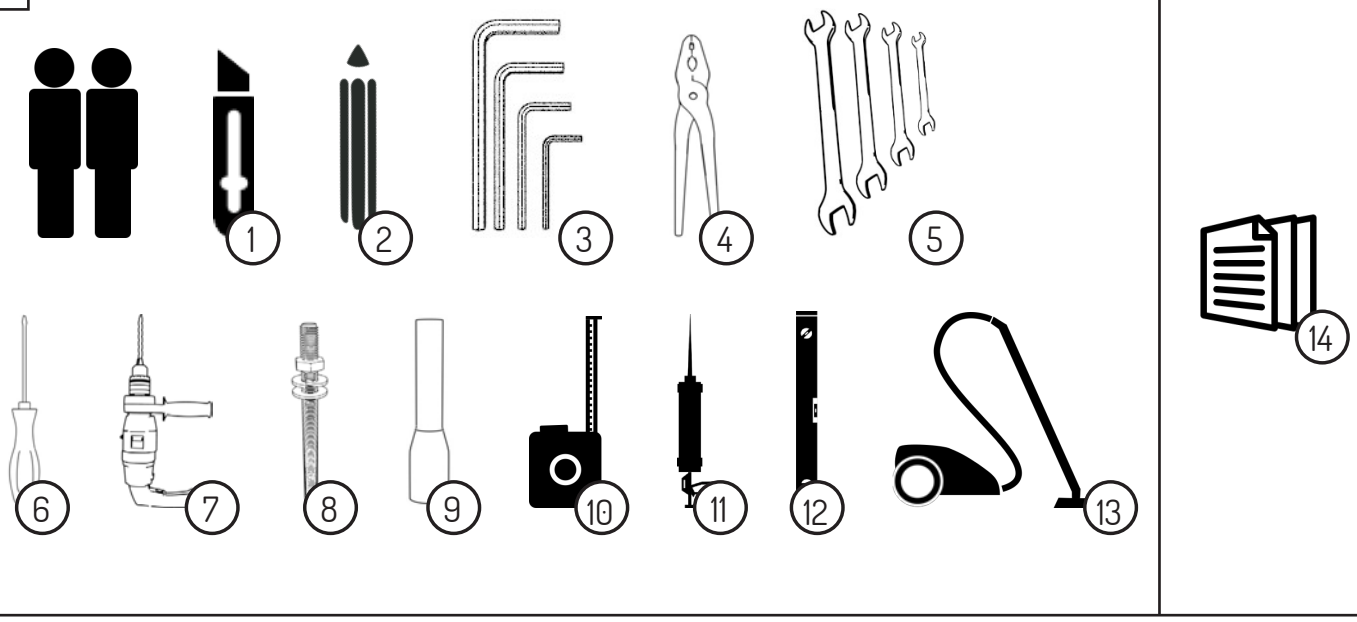
Installation Manual
SG Series Speed Gates

MONTAGE - SG

EN MONTAGE
DE MONTAGE
FR ENSEMBLE
PL MONTAŻ
SV MONTERING
IT MONTAGGIO
ES MONTAJE
RU СБОРКА

EN DESCRIPTION OF DRAWINGS ON PAGE 14

A



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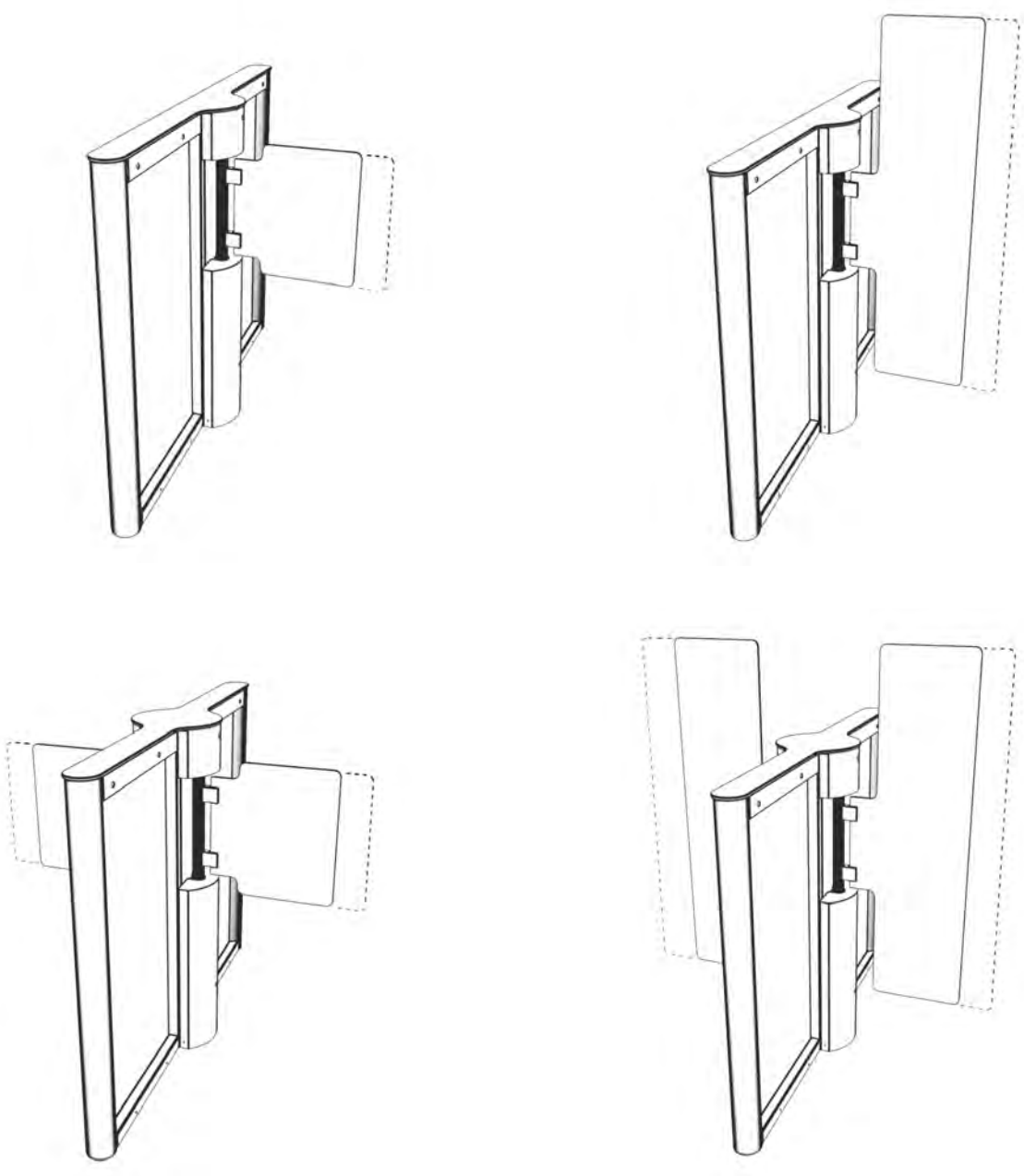

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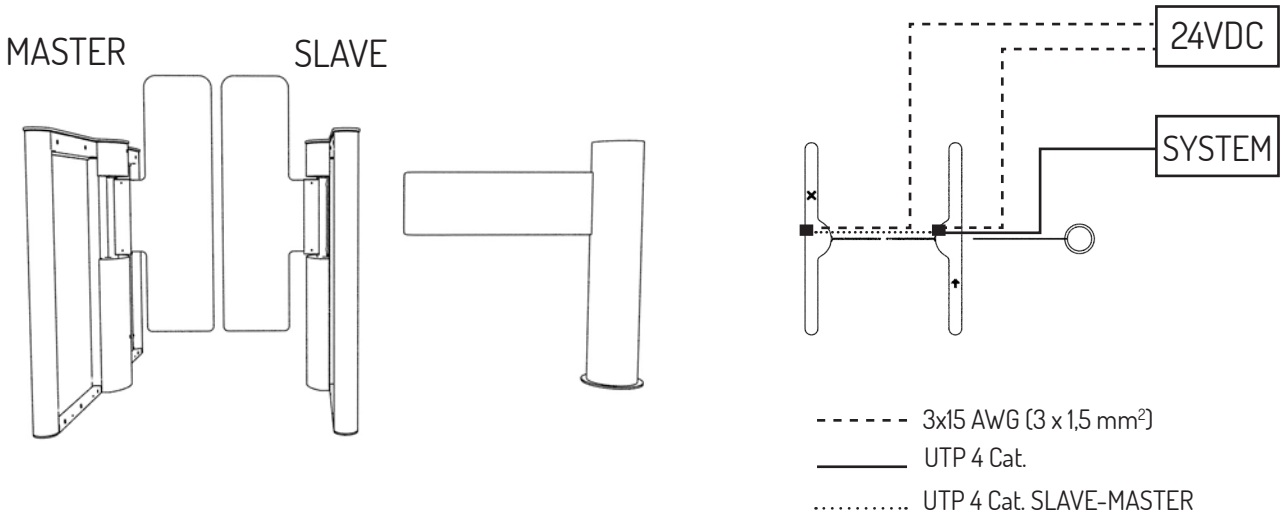
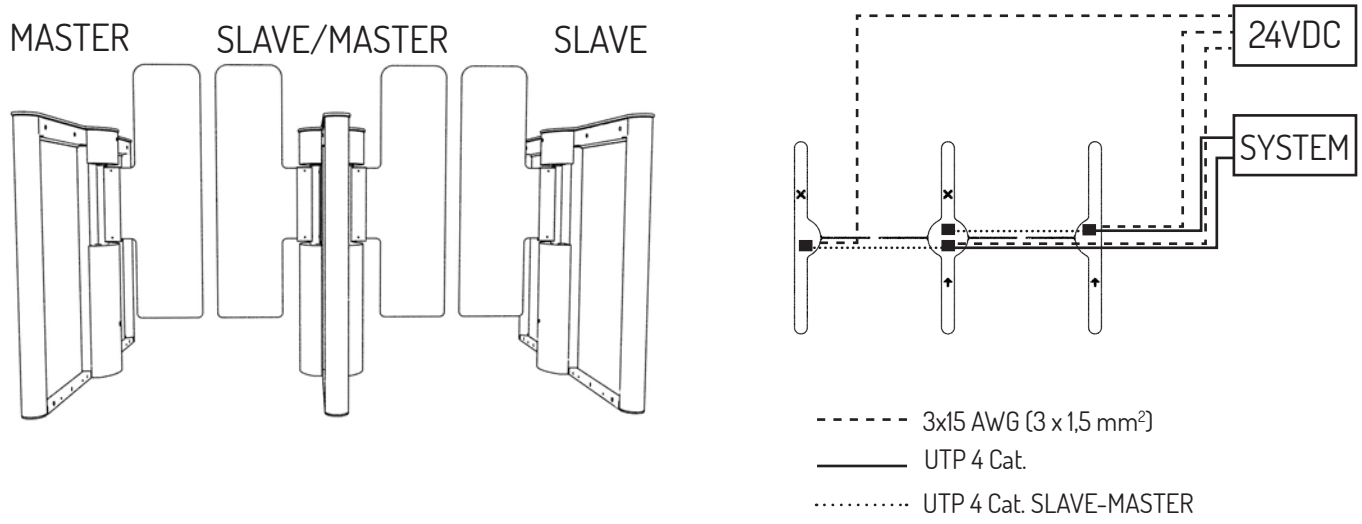
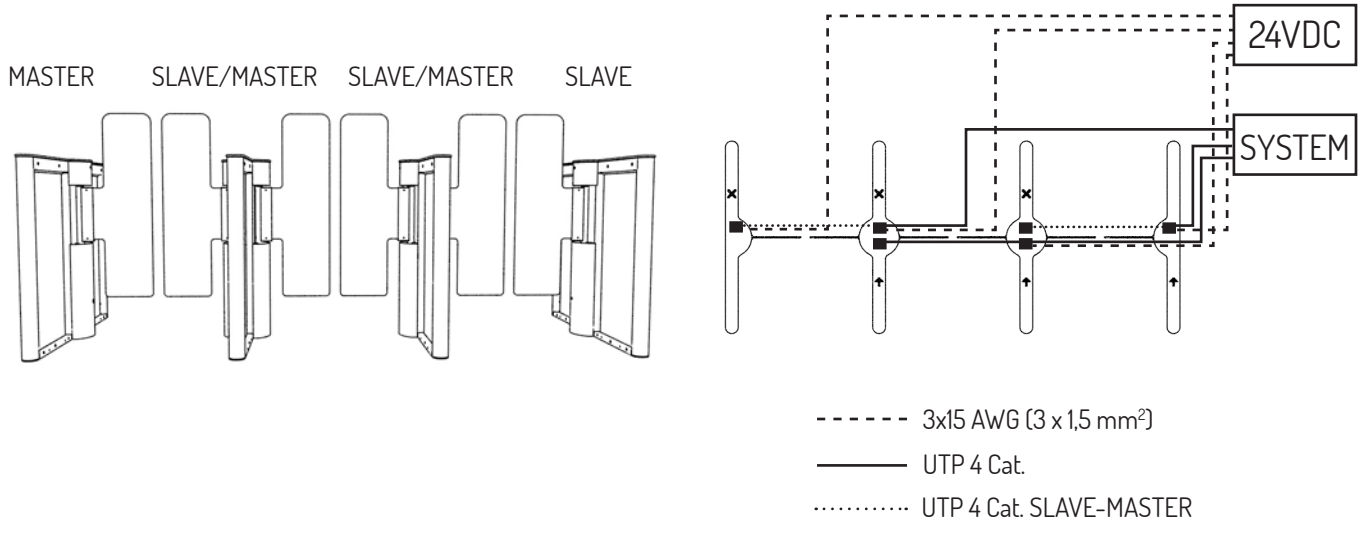

MASTER
SLAVE
24VDC
SYSTEM
3x15 AWG (3 x 1,5 mm²)
UTP 4 Cat.
UTP 4 Cat. SLAVE-MASTER

C2


MASTER
SLAVE/MASTER
SLAVE
24VDC
SYSTEM
3x15 AWG (3 x 1,5 mm²)
UTP 4 Cat.
UTP 4 Cat. SLAVE-MASTER

C3


MASTER
SLAVE/MASTER
SLAVE/MASTER
SLAVE
24VDC
SYSTEM
3x15 AWG (3 x 1,5 mm²)
UTP 4 Cat.
UTP 4 Cat. SLAVE-MASTER

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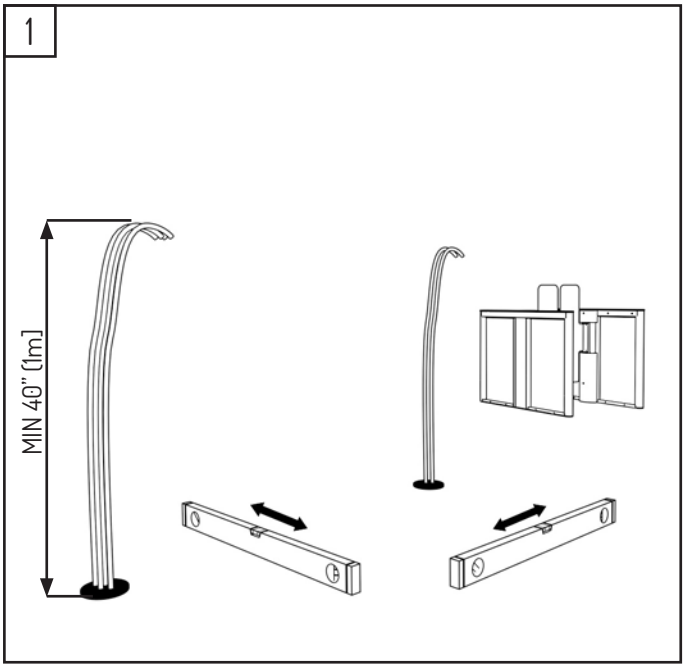

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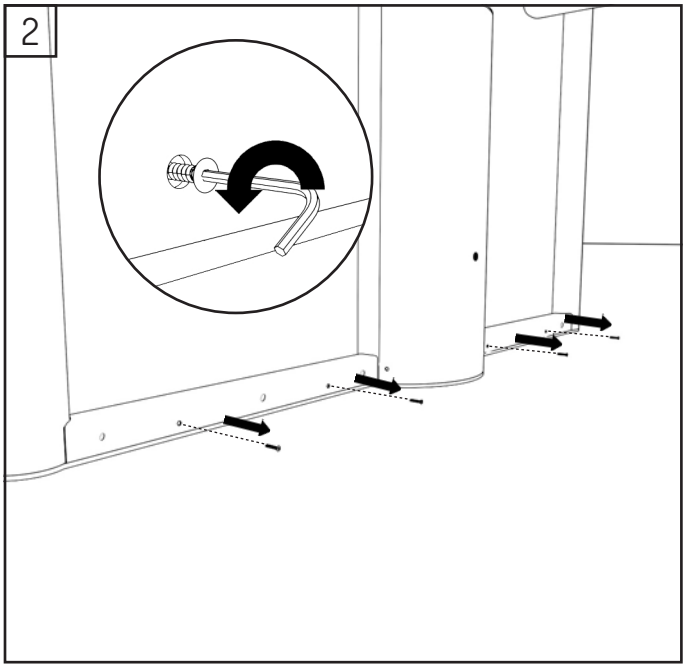

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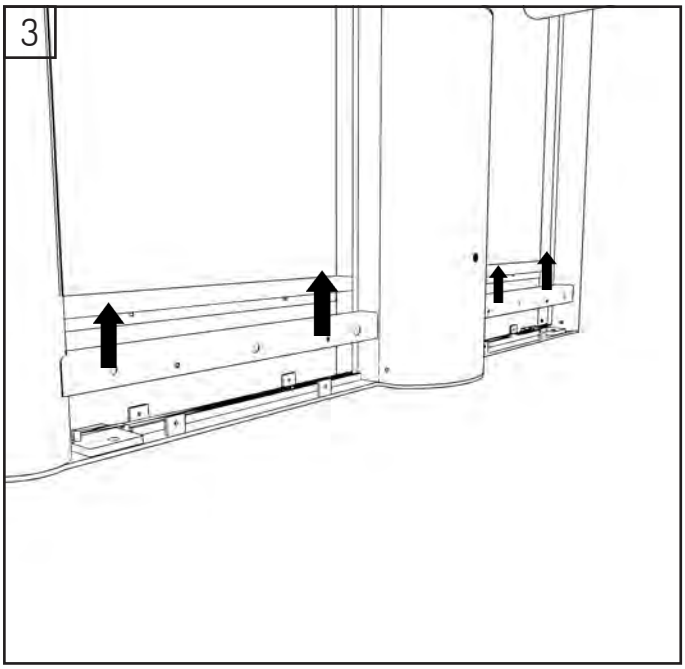

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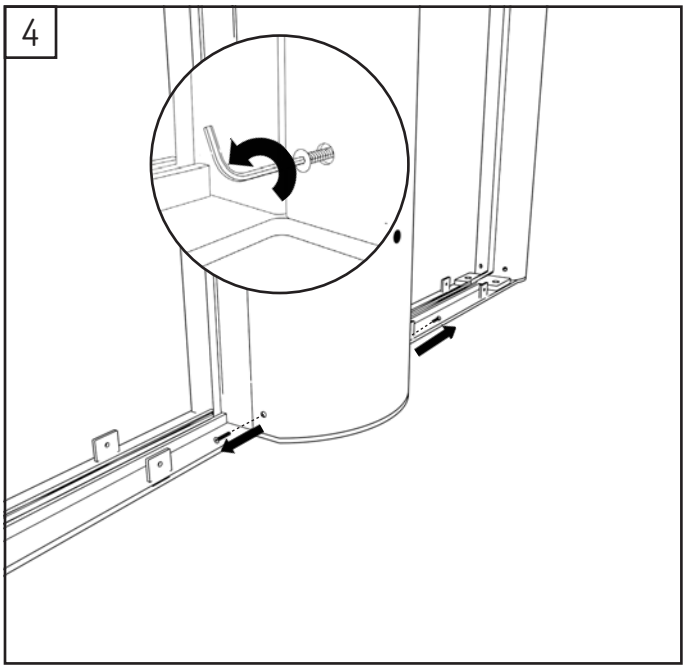

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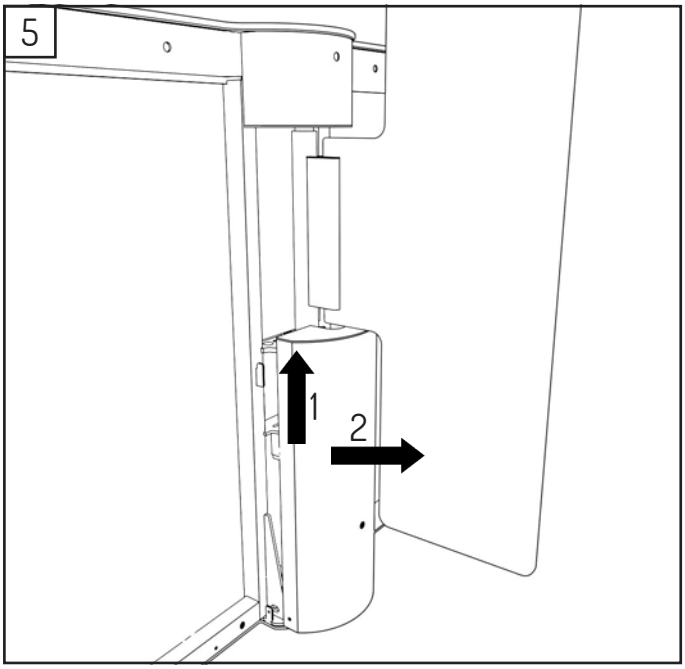

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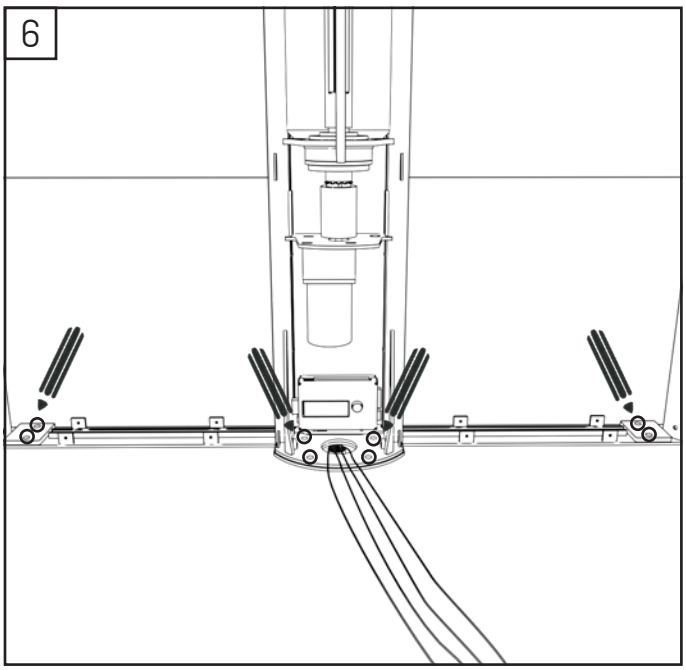

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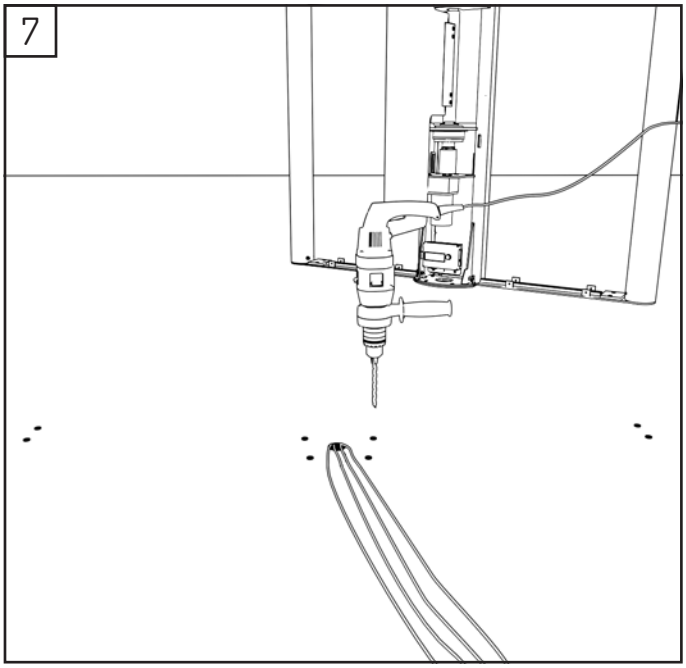

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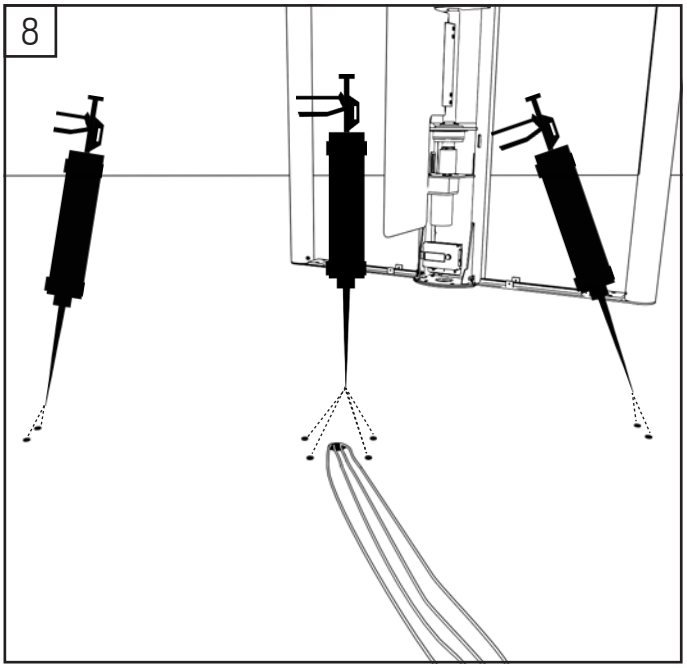

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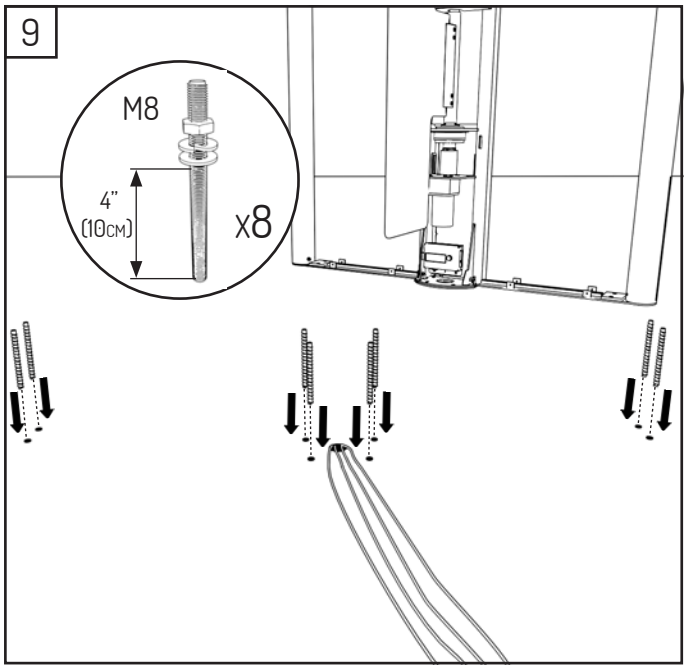
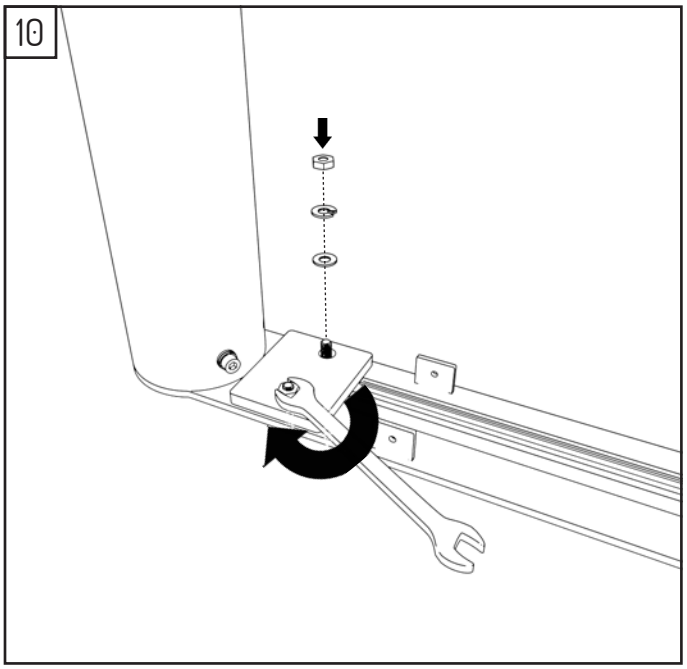

M8
4"
(10CM)
X8

10



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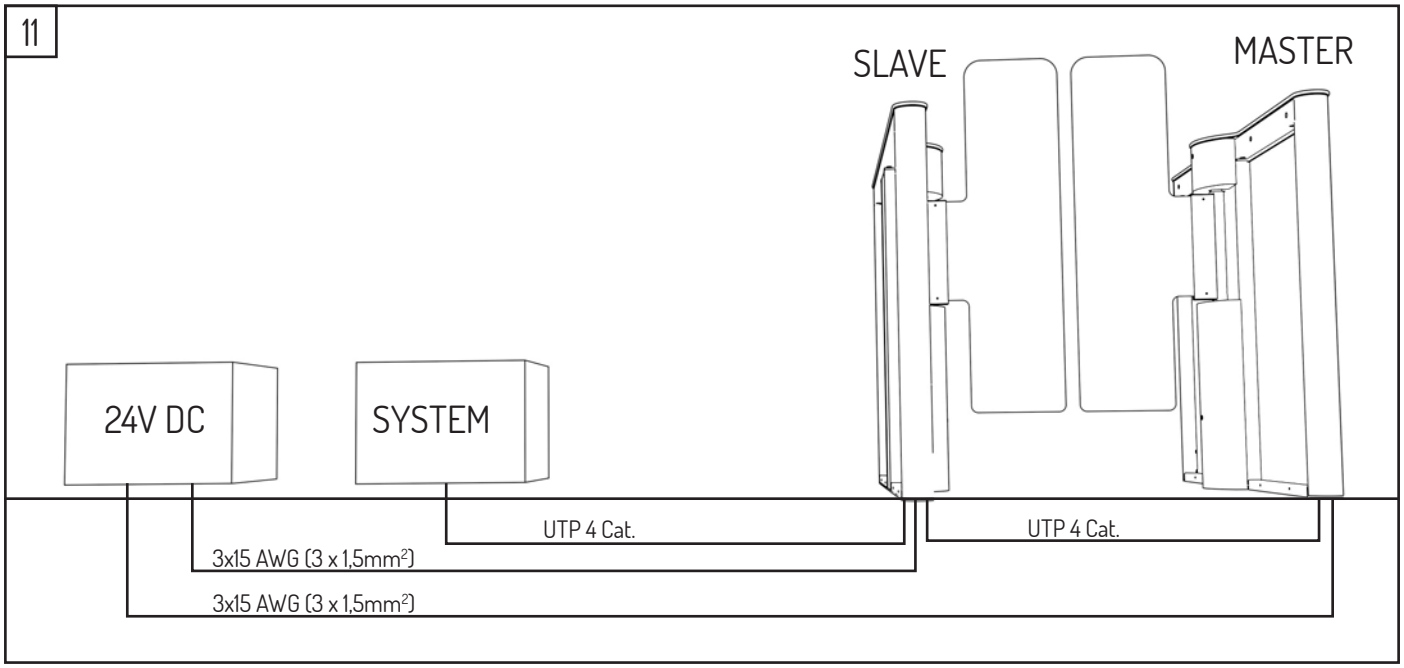
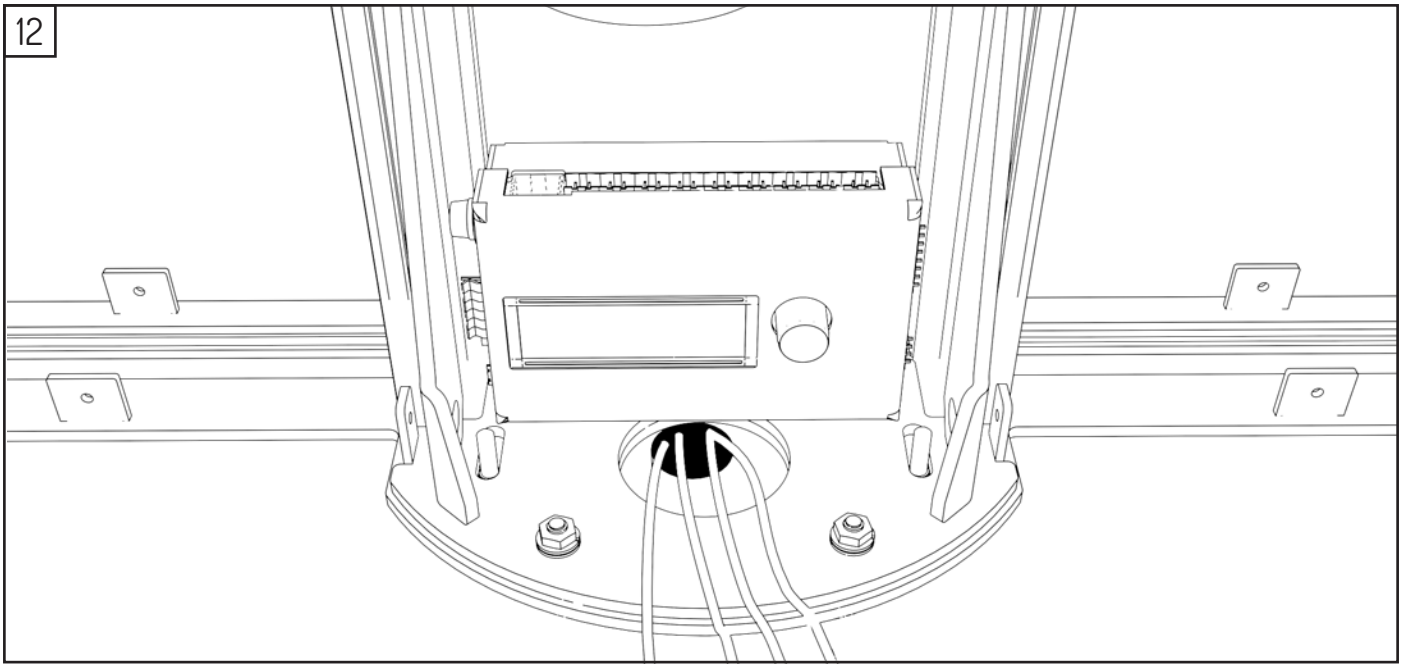
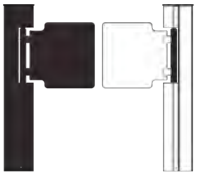

SLAVE
MASTER
24V DC
SYSTEM
UTP 4 Cat.
UTP 4 Cat.
3x15 AWG (3 x 1,5mm²)
3x15 AWG (3 x 1,5mm²)

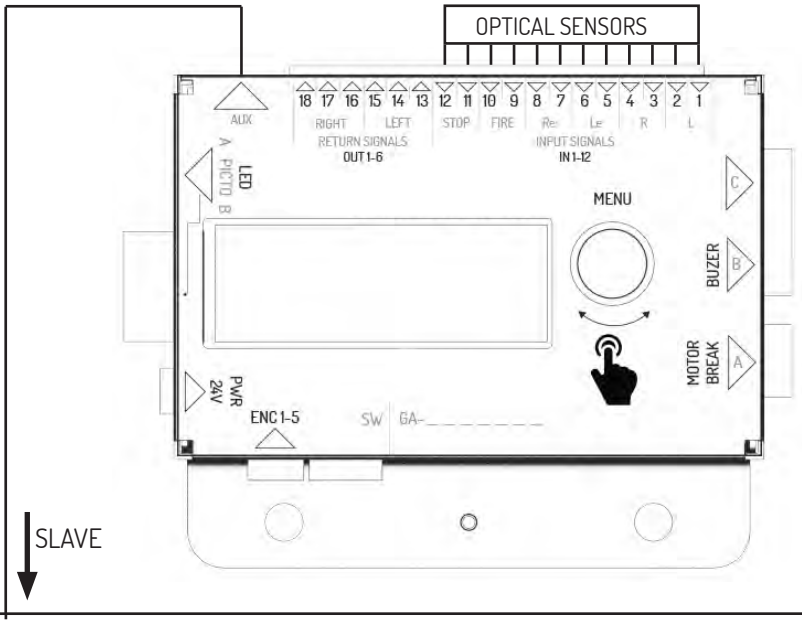
12



13A

MASTER



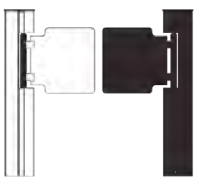


1
UTP 4 Cat

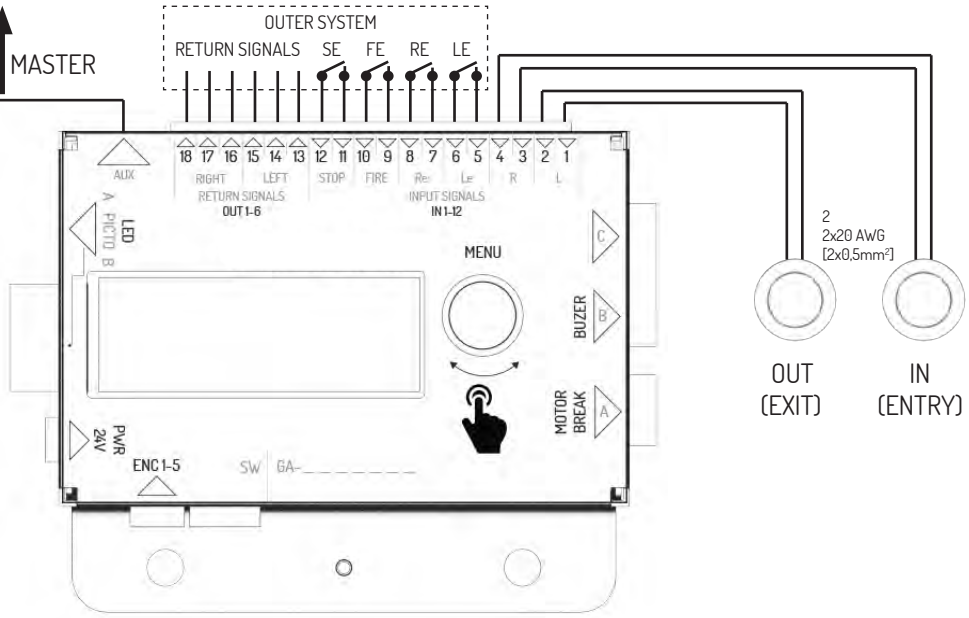
SLAVE

13B

SLAVE

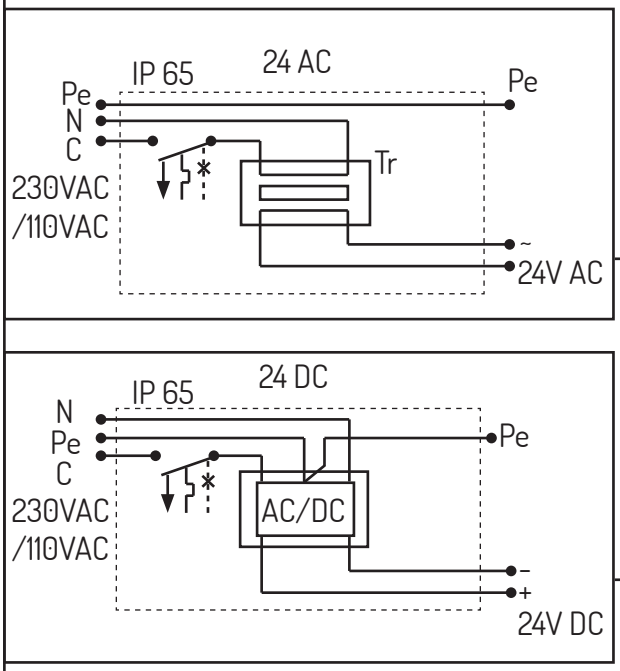


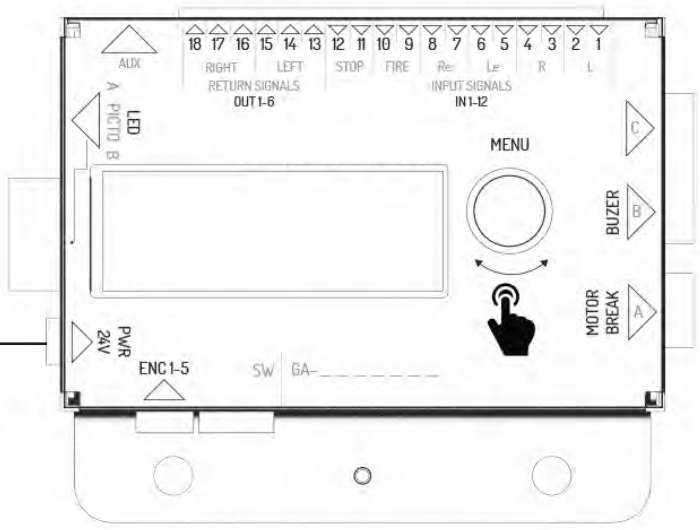
MASTER

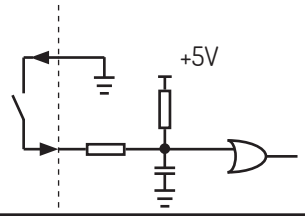
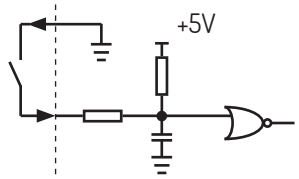
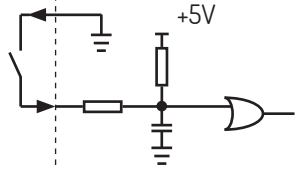
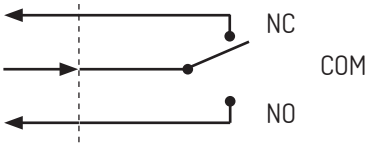
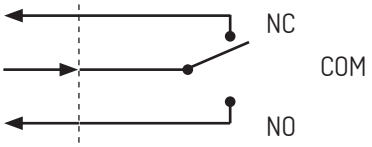


14

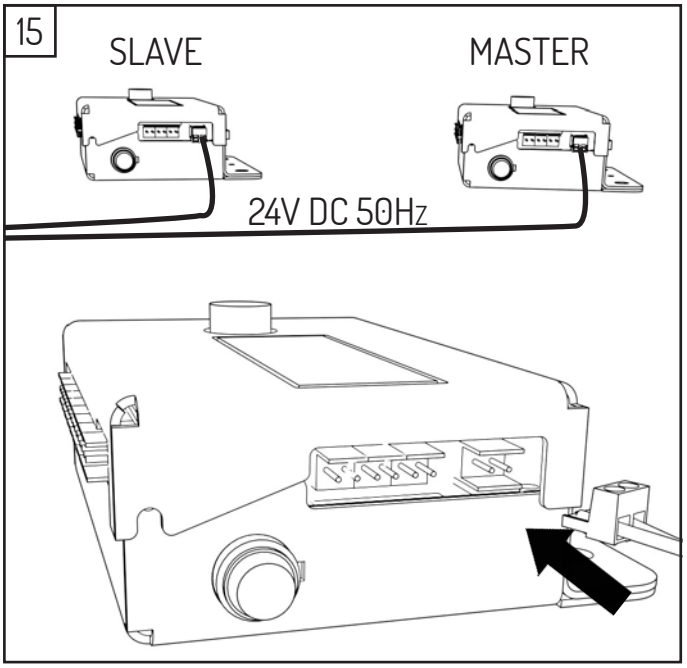
OUTER CONTROL SIGNALS (SLAVE) AND OUTER POWER SUPPLY





	PIN	DESCRIPTION	ELECTRICAL INFO	CONTROL SCHEME
INPUTS	1	GND	Imax = 1mA	
	2	LEFT DIRECTION - INPUT	TTL Hi/Low	
	3	GND	Imax = 1mA	
	4	RIGHT DIRECTION - INPUT	TTL Hi/Low	
	5	GND	Imax = 1mA	
	6	LEFT DIRECTION EN. - INPUT (LE)	TTL Hi/Low	
	7	GND	Imax = 1mA	
	8	RIGHT DIRECTION EN. - INPUT (RE)	TTL Hi/Low	
	9	GND	Imax = 1mA	
	10	FIRE EMERGENCY - INPUT (FE)	TTL Hi/Low	
	11	GND	Imax = 1mA	
	12	STOP EMERGENCY - INPUT (SE)	TTL Hi/Low	
OUTPUTS	13	LEFT RETURN - OUTPUT NO	Imax = 0,5A	
	14	LEFT RETURN - OUTPUT COM	Imax = 0,5A	
	15	LEFT RETURN - OUTPUT NC	Imax = 0,5A	
	16	RIGHT RETURN - OUTPUT NO	Imax = 0,5A	
	17	RIGHT RETURN - OUTPUT COM	Imax = 0,5A	
	18	RIGHT RETURN - OUTPUT NC	Imax = 0,5A	

15



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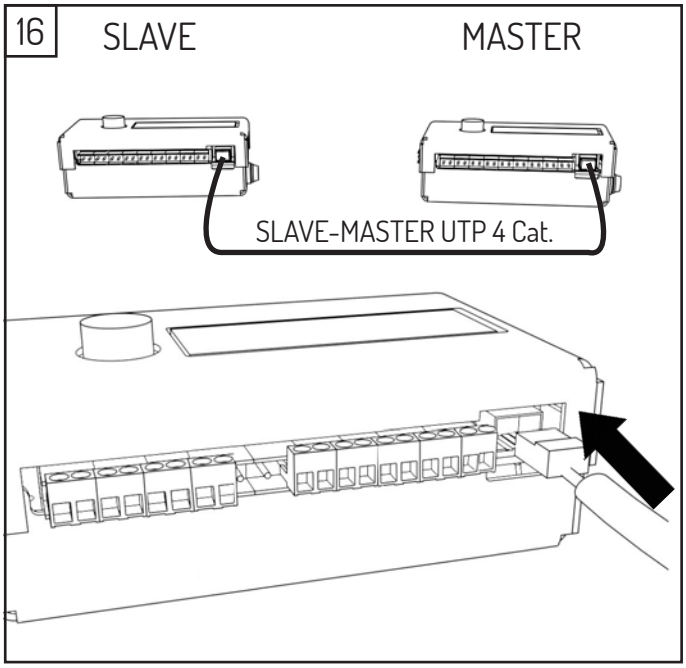

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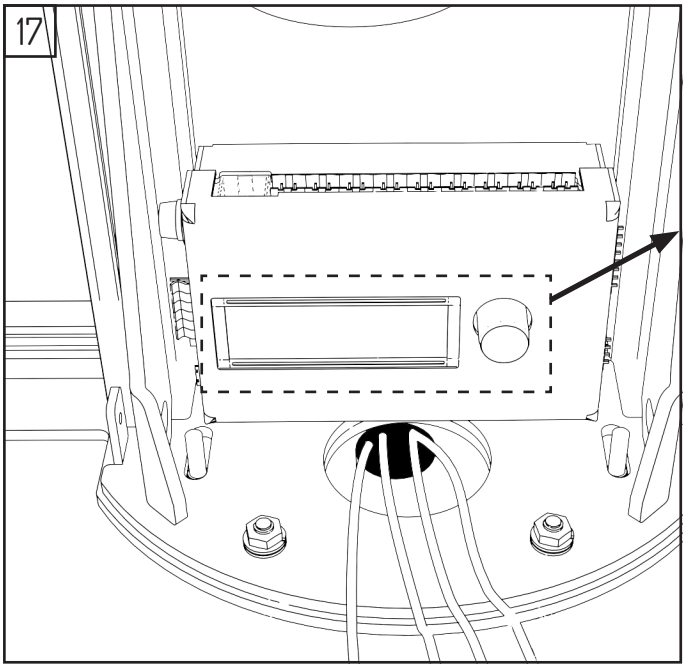

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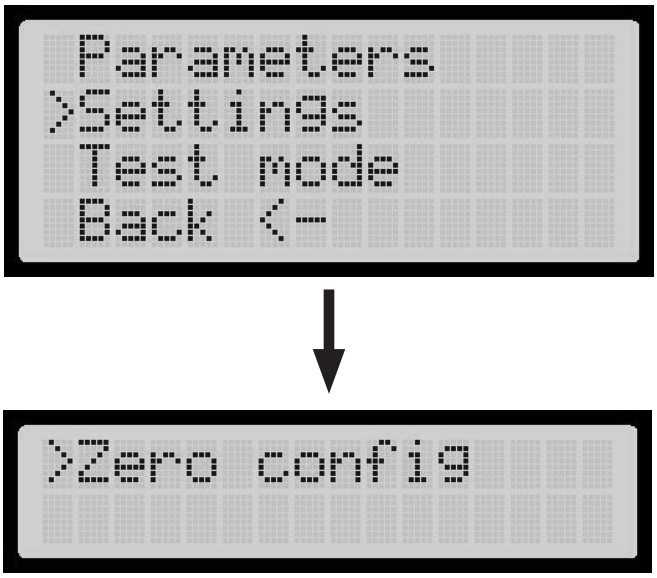

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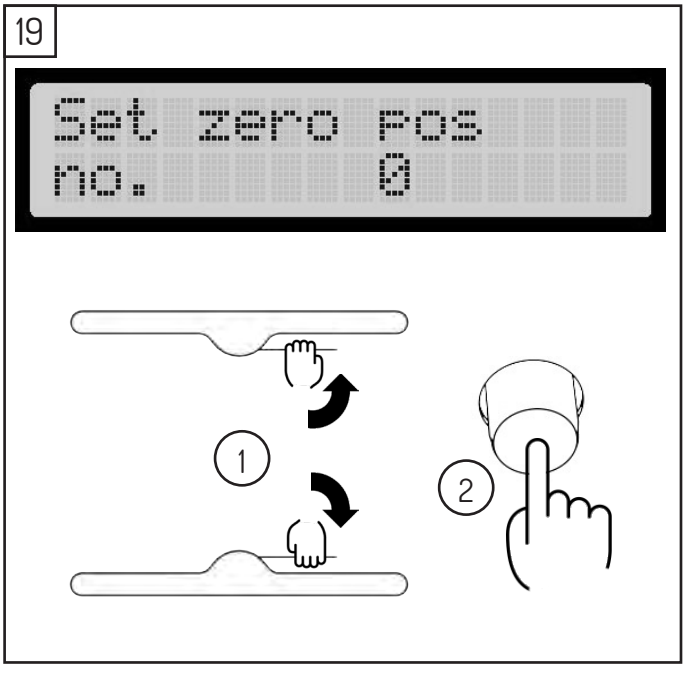

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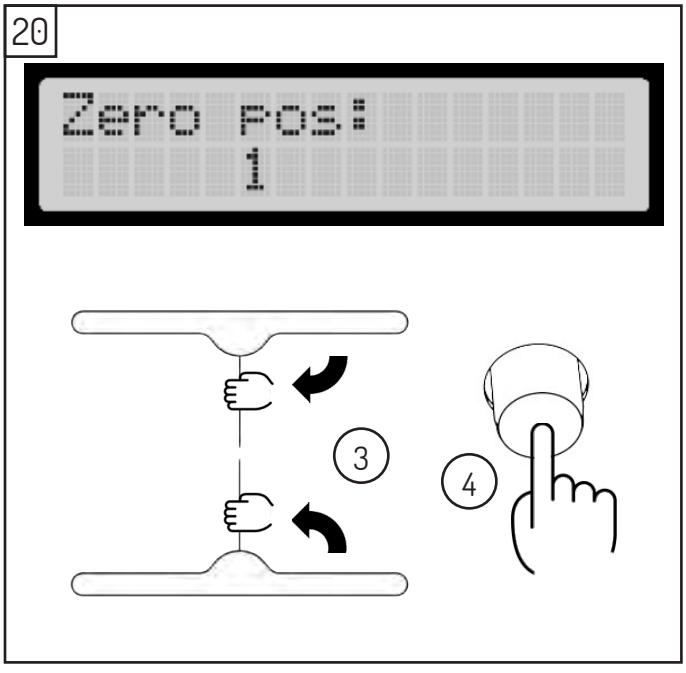

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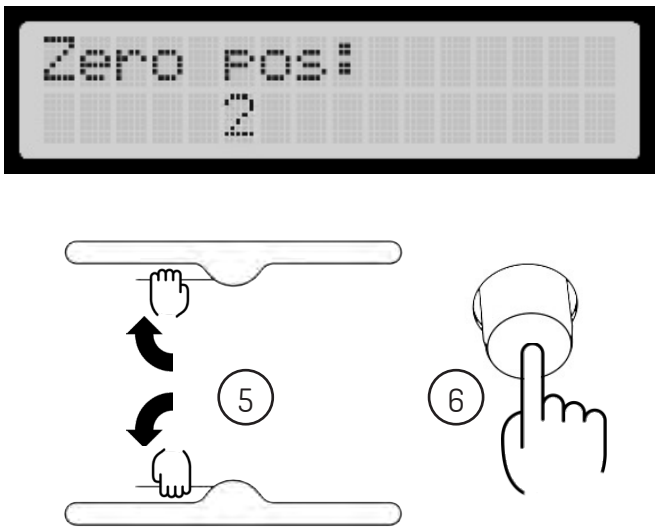

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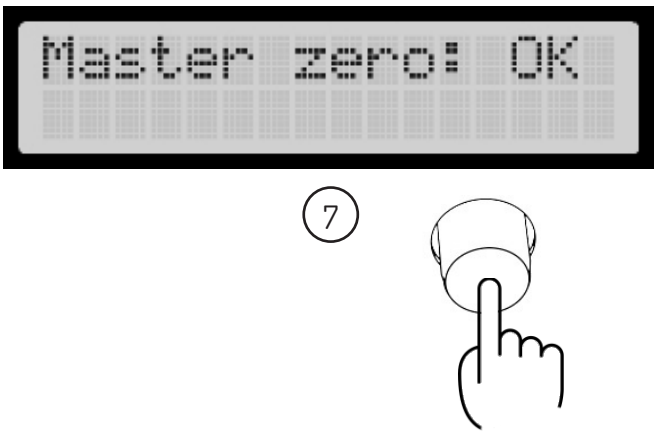

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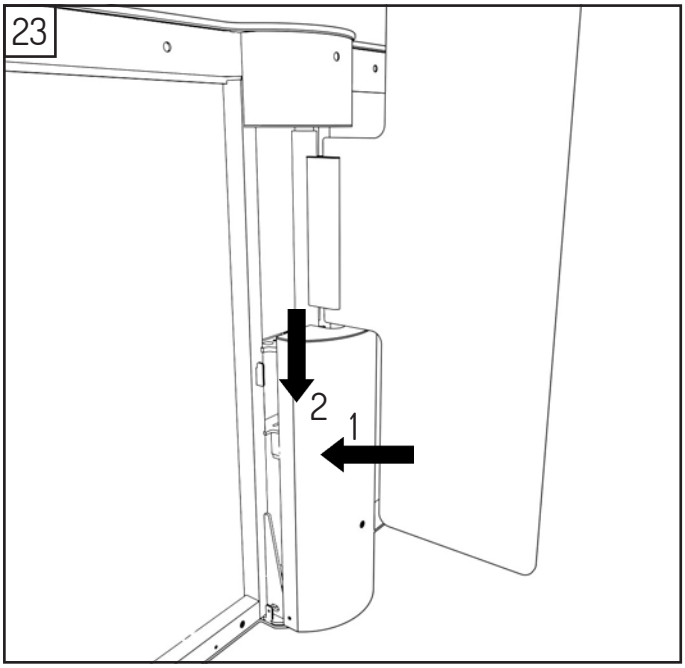

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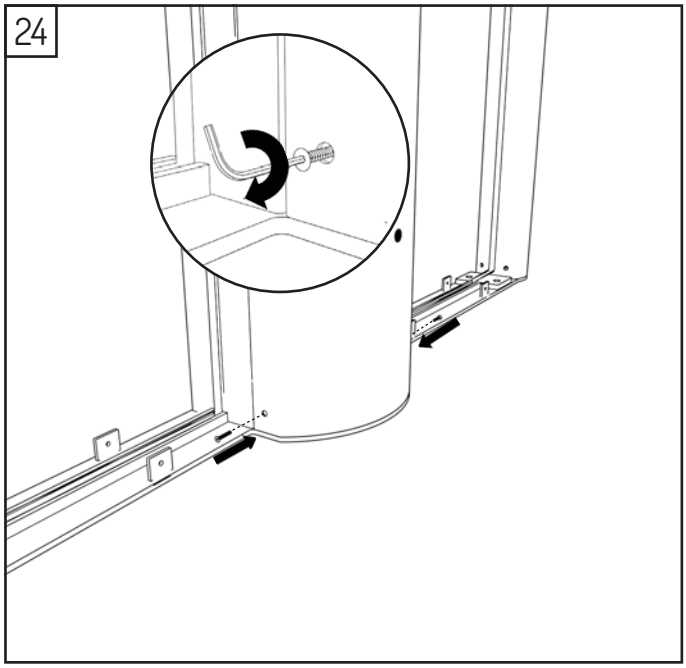

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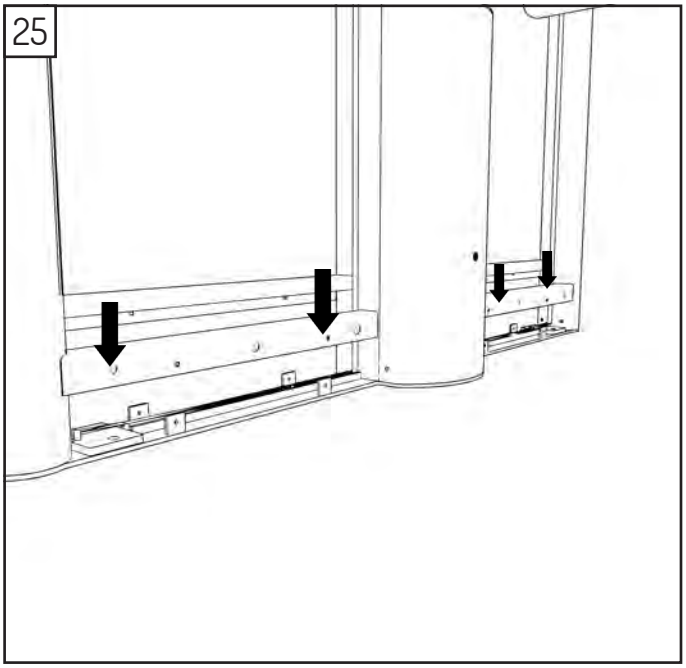

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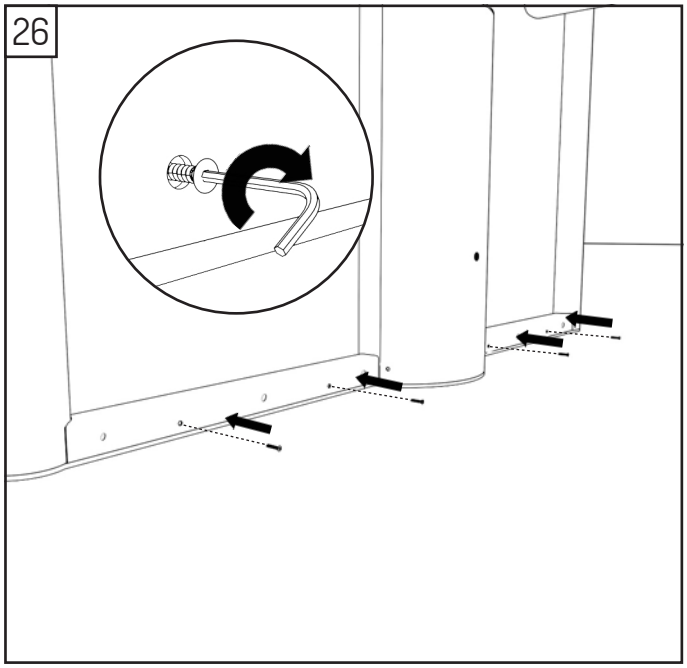

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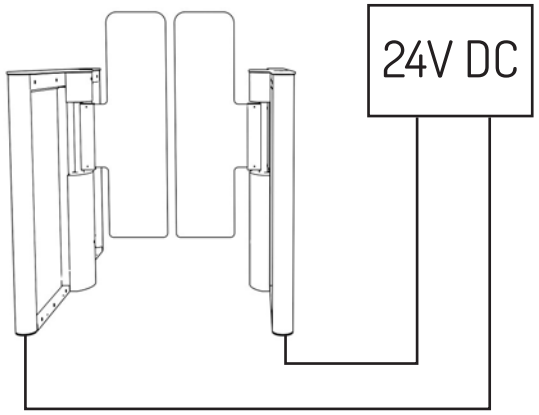

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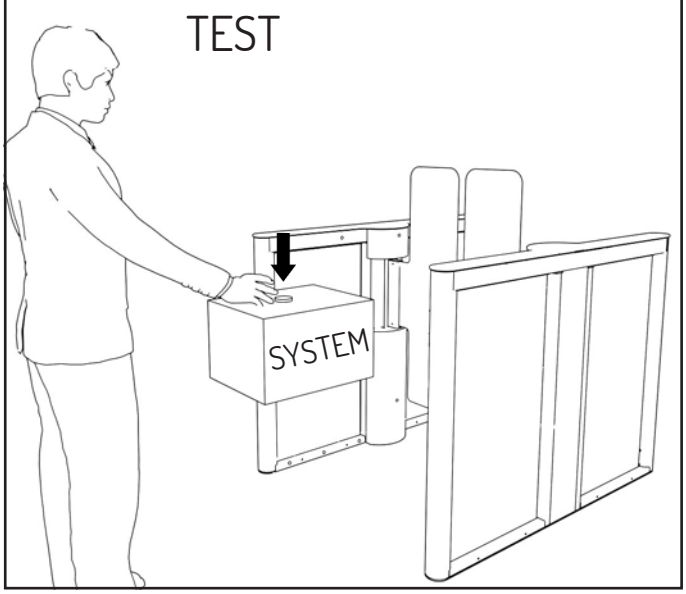

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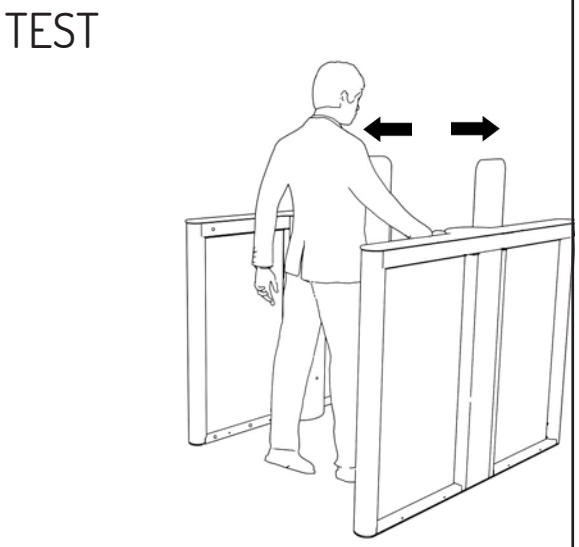

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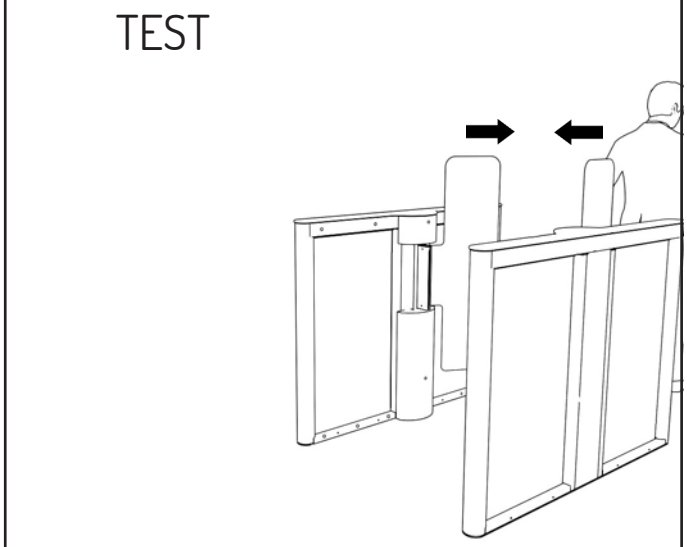

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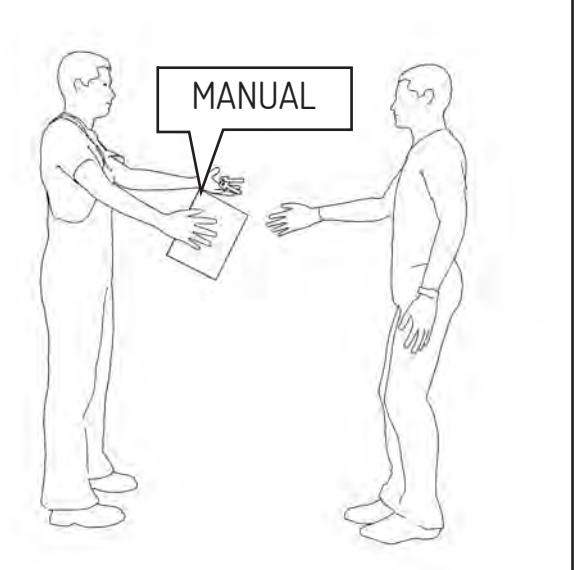

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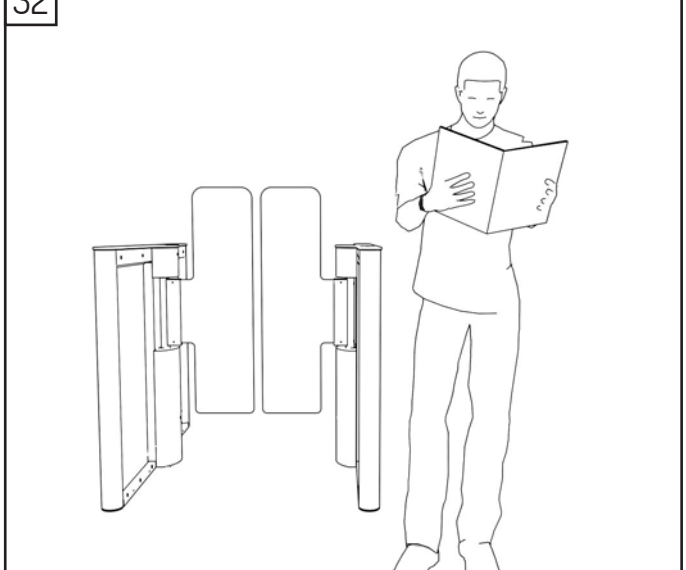

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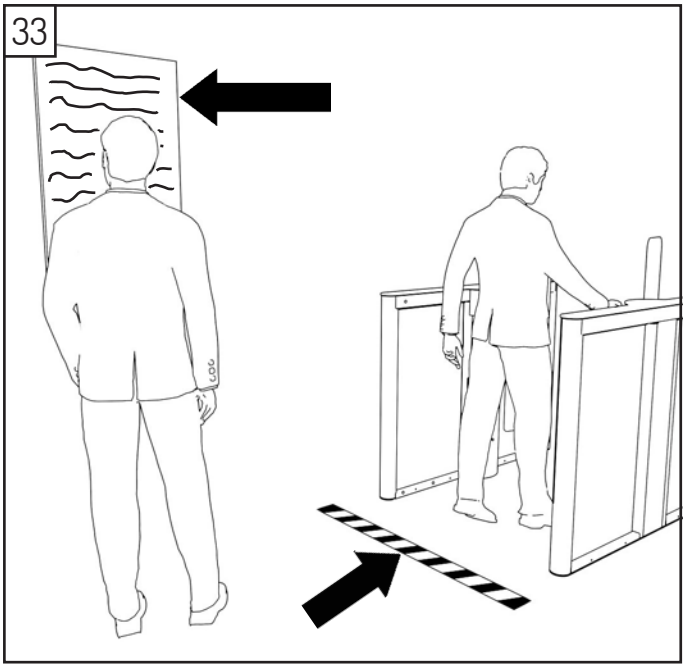

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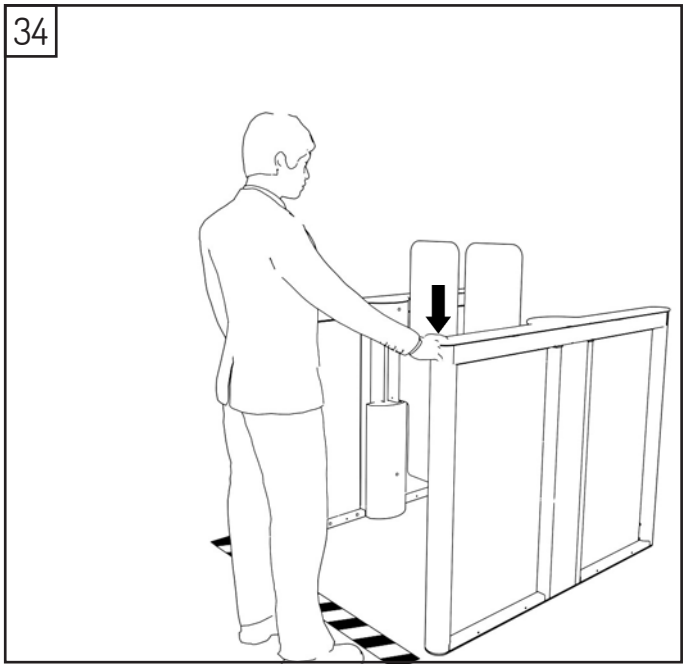

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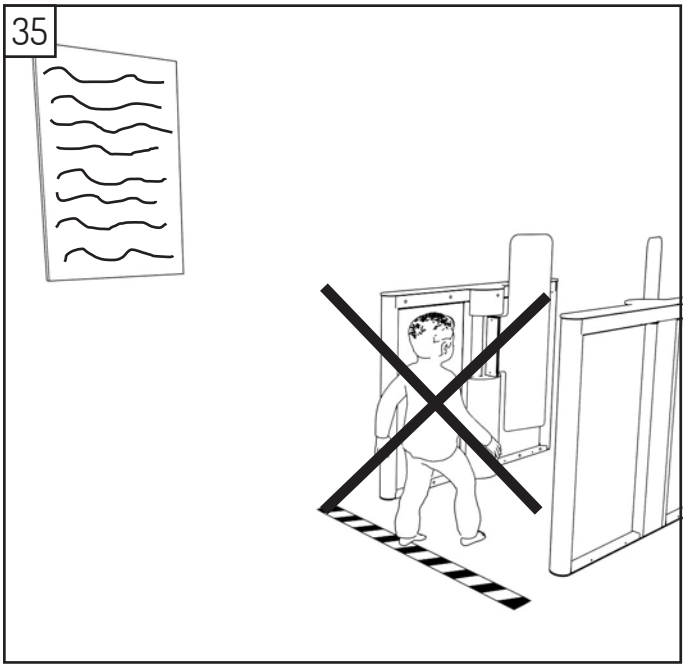

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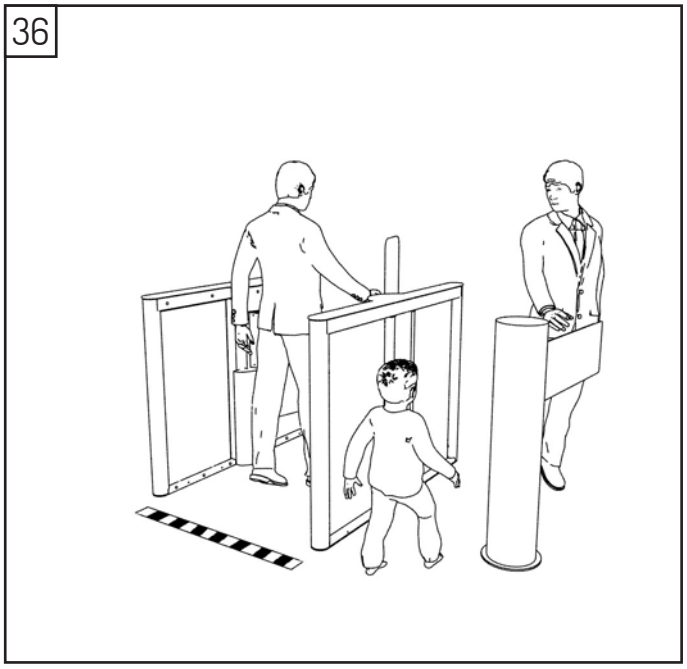

EN DESCRIPTION OF DRAWINGS

Before assembly, read the complete technical and operational documentation of the device. This short installation guide serves exclusively for the illustration of some important steps in the installation process.

A. Basic tools and items needed to install the device*:

1. Knife to cut the device's packaging.
2. Marker for marking holes on the ground.
3. Allen key set.
4. Pliers for electrical installation.
5. Set of wrenches.
6. Flat-head screwdriver.
7. Electric drill.
8. Injection (chemical) anchors – 8 anchors for each device.
9. Cable ends (ferrules).
10. Measuring tape.
11. Glue gun.
12. Spirit level.
13. Vacuum cleaner.
14. Technical documentation.

*Tools and items listed in points 1 to 13 inclusive are not part of the device set.
* One person is required to assemble the device. Two people are needed to carry and move devices.

B. All types of SG2 / SG3 devices.

C. Example configurations of device installations and suggested connection diagrams.
C1. Configuration for one personal passage section with a technical passage.
C2. Configuration for two personal passage sections.
C3. Configuration for three personal passage sections.

1. Checking the place of installation. The cabling leading out of the installation should have a length of at least 1 meter, measured from the ground. The substrate should be leveled.
2. Unscrewing the screws fixing the bottom masks.
3. Disassembly of bottom masks.
4. Unscrewing the screws fixing the central mask.
5. Disassembly of the central mask.
6. Marking the fixing points on the ground to drill the holes.
7. Drilling holes in the ground in designated places.
8. Introduction of glue to the holes.
9. Inserting anchors into holes filled with glue in accordance with the glue manufacturer's instructions. After introducing the glue into the holes, wait for the amount of time specified by the glue manufacturer.
10. Tightening the anchors with nuts (a spring washer and a plain washer should be placed under the nut).
11. The wiring diagram for devices (for a module consisting of two gates: MASTER + SLAVE).
12. The location of the driver in the device.
13. A. Connection of controls and communication between devices in the MASTER / SLAVE synchronous system for the device MASTER.
    B. Connection of controls and communication between devices in the MASTER / SLAVE synchronous system for the device SLAVE.
14. Descriptive table of electronics connectors.
15. Connection of the device controller to the power supply.
16. Connection of UTP SLAVE-MASTER (communication between modules).
17. Procedure for setting the border positions of the arms of the device. Screen and manipulator location.
18. Selecting "Settings" and then "Zero config" using the controller's manipulator.
19. Setting the position 0 in any direction and confirming with the maniupulator button.
20. Setting the position 1 - closed passage - and confirming with the maniupulator button.
21. Setting the position 2 in other direction and confirming with the maniupulator button.
22. Confirmation of limit positions by means of the manipulator button.
23. Assembly of the central mask of the device.
24. Screwing the screws fixing the central mask.
25. Assembly of the device's bottom masks.
26. Screwing the screws fixing the bottom masks.
27. 24V power source.
28. Execution of a test passage to check the correct functioning of the module.

29. Execution of a test passage to check the correct functioning of the module.
30. Execution of a test passage to check the correct functioning of the module.
31. Provision of technical and operational documentation to the operator / owner of the device.
32. Getting acquainted with the technical and operational documentation by the operator supervising the work.
33. Marking the passage zone: user manual is available for people using devices (device operators), separating the passage zone (device sensor range zone). Authorization to enter the passage zone is given to person who has been positively verified by the access control system (after positive verification, the device receives a signal to open the passage).
34. Readers, buttons or other pass-through authorization devices for users should be placed in such a way that they allow the user using them during authorization to be outside the passage zone of the module (device sensor range zone).
35. Persons (e.g. children with a height smaller than the level of sensor detection) can use the transition section only when the operator switches off the wings.
36. For children and persons with a height below the level of sensor detection, additional passages are applied.