

V1.0 REV. 11/2020 ΕN

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01. SAFETY INSTRUCTIONS

ATTENTION:

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CE This product is certified in accordance with European Community (EC) safety standards.

RoHS This product complies with Directive 2011/65/EU of the European Parliament and of the Council, of 8 June 2011, on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

(Applicable in countries with recycling systems).

This marking on the product or literature indicates that the product and electronic accessories (eg. Charger, USB cable, electronic material, controls, etc.) should not be disposed of as other household waste at the end of its useful life. To avoid possible harm to the environment or human health resulting from the uncontrolled disposal of waste, separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources. Home users should contact the dealer where they purchased this product or the National Environment Agency for details on where and how they can take these items for environmentally safe recycling. Business users should contact their vendor and check the terms and conditions of the purchase agreement. This product and its electronic accessories should not be mixed with other commercial waste.

This marking indicates that the product and electronic accessories (eg. charger, USB cable, electronic material, controls, etc.) are susceptible to electric shock by direct or indirect contact with electricity. Be cautious when handling the product and observe all safety procedures in this manual.





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GENERAL WARNINGS

- •This manual contains very important safety and usage information. very important. Read all instructions carefully before beginning the installation/usage procedures and keep this manual in a safe place that it can be consulted whenever necessary.
- •This product is intended for use only as described in this manual. Any other enforcement or operation that is not mentioned is expressly prohibited, as it may damage the product and put people at risk causing serious injuries.
- This manual is intended firstly for specialized technicians, and does not invalidate the user's responsibility to read the "User Norms" section in order to ensure the correct functioning of the product.
- •The installation and repair of this product may be done by qualified and specialized technicians, to assure every procedure are carried out in accordance with applicable rules and norms. Nonprofessional and inexperienced users are expressly prohibited of taking any action, unless explicitly requested by specialized technicians to do so.
- Installations must be frequently inspected for unbalance and the wear signals of the cables, springs, hinges, wheels, supports and other mechanical assembly parts.
- Do not use the product if it is necessary repair or adjustment is required.
- When performing maintenance, cleaning and replacement of parts, the product must be disconnected from power supply. Also including any operation that requires opening the product cover.
- •The use, cleaning and maintenance of this product may be carried out by any persons aged eight years old and over and persons whose physical, sensorial or mental capacities are lower, or by persons without any knowledge of the product, provided that these are supervision and instructions given by persons with experienced in terms of usage of the product in a safe manner and who understands the risks and dangers involved.

• Children shouldn't play with the product or opening devices to avoid the motorized door or gate from being triggered involuntarily.

WARNINGS FOR TECHNICIANS

- Before beginning the installation procedures, make sure that you have all the devices and materials necessary to complete the installation of the product.
- You should note your Protection Index (IP) and operating temperature to ensure that is suitable for the installation site.
- Provide the manual of the product to the user and let them know how to handle it in an emergency.
- If the automatism is installed on a gate with a pedestrian door, a door locking mechanism must be installed while the gate is in motion.
- Do not install the product "upside down" or supported by elements do not support its weight. If necessary, add brackets at strategic points to ensure the safety of the automatism.
- Do not install the product in explosive site.
- Safety devices must protect the possible crushing, cutting, transport and danger areas of the motorized door or gate.
- Verify that the elements to be automated (gates, door, windows, blinds, etc.) are in perfect function, aligned and level. Also verify if the necessary mechanical stops are in the appropriate places.
- •The central must be installed on a safe place of any fluid (rain, moisture, etc.), dust and pests.
- You must route the various electrical cables through protective tubes, to protect them against mechanical exertions, essentially on the power supply cable. Please note that all the cables must enter the central from the bottom.
- If the automatism is to be installed at a height of more than 2,5m from the ground or other level of access, the minimum safety
- and health requirements for the use of work equipment workers at

01. SAFETY INSTRUCTIONS

- the work of Directive 2009/104/CE of European Parliament and of the Council of 16 September 2009.
- Attach the permanent label for the manual release as close as possible to the release mechanism.
- Disconnect means, such as a switch or circuit breaker on the electrical panel, must be provided on the product's fixed power supply leads in accordance with the installation rules.
- If the product to be installed requires power supply of 230Vac or 110Vac, ensure that connection is to an electrical panel with ground connection.
- •The product is only powered by low voltage satefy with central (only at 24V motors)

WARNINGS FOR USERS

- Keep this manual in a safe place to be consulted whenever necessary.
- If the product has contact with fluids without being prepared, it must immediately disconnect from the power supply to avoid short circuits, and consult a specialized technician.
- Ensure that technician has provided you the product manual and informed you how to handle the product in an emergency.
- If the system requires any repair or modification, unlock the automatism, turn off the power and do not use it until all safety conditions have been met.
- In the event of tripping of circuits breakers of fuse failure, locate the malfunction and solve it before resetting the circuit breaker or replacing the fuse. If the malfunction is not repairable by consult this manual. contact a technician.
- Keep the operation area of the motorized gate free while the gate in in motion, and do not create strength to the gate movement.
- Do not perform any operation on mechanical elements or hinges if the product is in motion.

RESPONSABILITY

- Supplier disclaims any liability if:
 - Product failure or deformation result from improper installation use or maintenance!
 - ·Safety norms are not followed in the installation, use and maintenance of the product.
 - Instructions in this manual are not followed.
 - Damaged is caused by unauthorized modifications
 - In these cases, the warranty is voided.

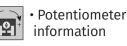
SYMBOLS LEGEND:



 Important safety notices



 Programming information









TECHNICAL CHARACTERISTICS

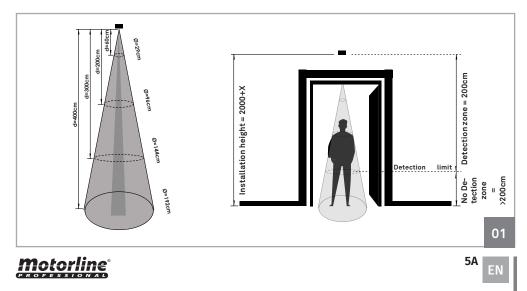
PORTER is a system that allows counting people. For example, the number of people occupying a meeting room, accessible from restricted access, can be counted by noting the inputs and outputs of the attendees. Sensor counts are analyzed in a central unit that processes the information received from each Porter sensor and displays it on the monitor.

Porter Sensor Module	• Power Supply	5 VDC
	Installation height	2 - 4 meters
	• Current	In standby: 50mA Active relay: 200mA
	Working temperature	-20 a +60°C
	• Dimensions	150 x 78 x 51 mm
	• Weight	100gr
	Detection method	940Nm invisible laser (Class1)
	• Typical field of view	27 degrees

AUTOMATION OPERATION

PORTER must be installed on the top of the door, at a height always greater than 200cm from the floor and its field is greater or lesser according to the distance to the floor, as in the image shown.

The vertical detection zone of the sensor, configured at the factory, is 200 cm. Therefore, we must take into account that increasing the height of the sensor installation also increases the non-detection zone near the floor.



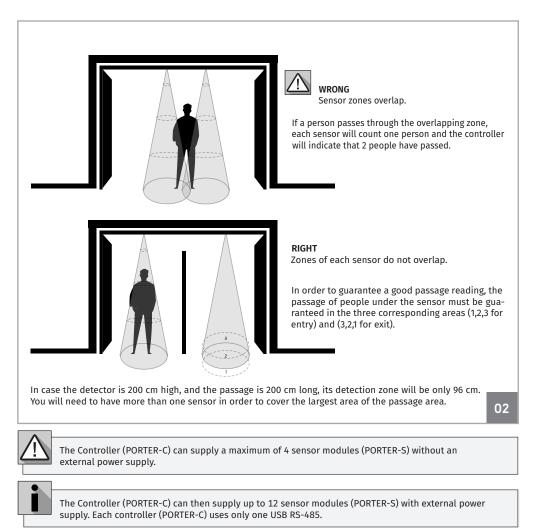
02. OPERATOR

AUTOMATION OPERATION

When a person is detected in the PORTER in the front area and a person in the rear area, it means that a person has been detected in one direction or the other.

PORTER when detecting a person in the front zone, adds entry, and in the opposite subtracts from the number of entries (being considered an exit).

For larger doors, more than one sensor (PORTER-S) must be used. The fields of view cannot overlap or the count will not be correct. There must be a blind area that must be blocked with some object.

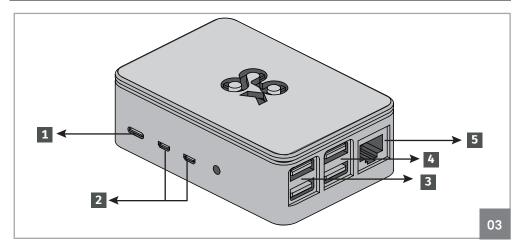






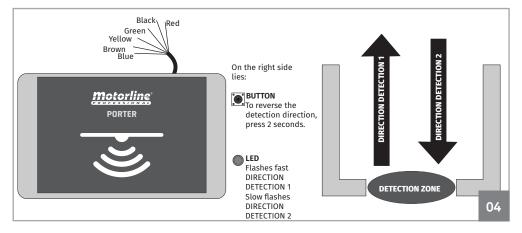
03. CONFIGURATION

CONTROLLER AND PORTER CONFIGURATION



1	Power Supply
2	Two monitor inputs
3	RS-485 adapter USB input
4	Keyboard and mouse USB input
5	Ethernet input

The USB to RS-485 adapter must be inserted before powering / connecting the controller.

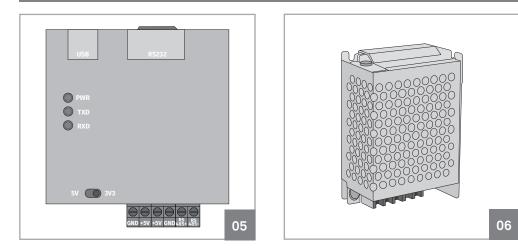


Motorline[®]

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04. ACCESSORIES

COMPONENTS



Adapter USB RS-485	• Power Supply	5 VDC
	• Comunication	Série RS485
	• Conector 1	USB 2.0
	Conector 2	RS485
	• Dimensions	15 x 35 x 67 mm

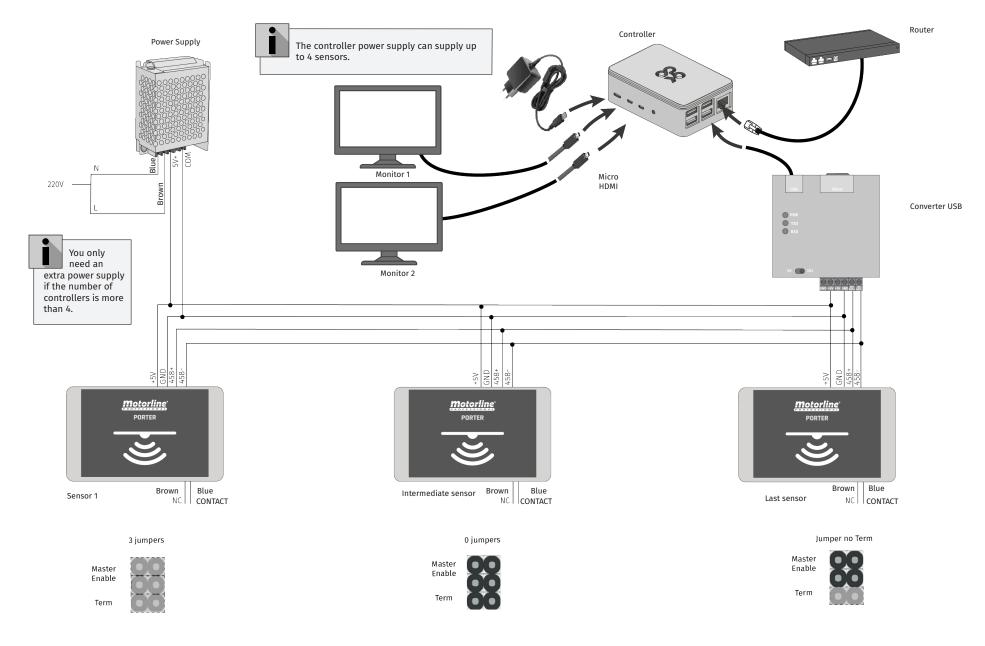
Power Supply	• Power Supply	220V AC
	• Output	5V DC
	• Current	4A a 5V

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05. CONEXION SCHEME

CONEXIONS MAP



Motorline

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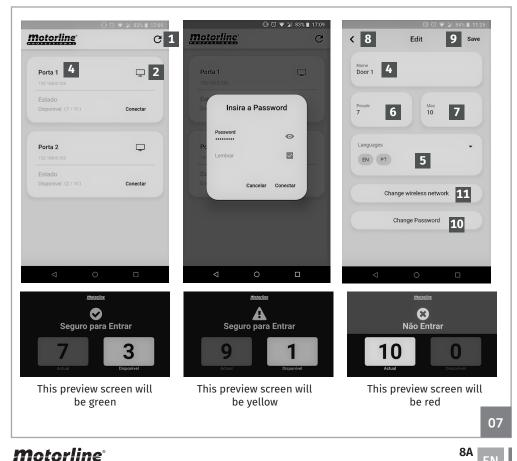
06. PROGRAMMING

APP

Start the Motorline application, connect with your automation and proceed as follows:

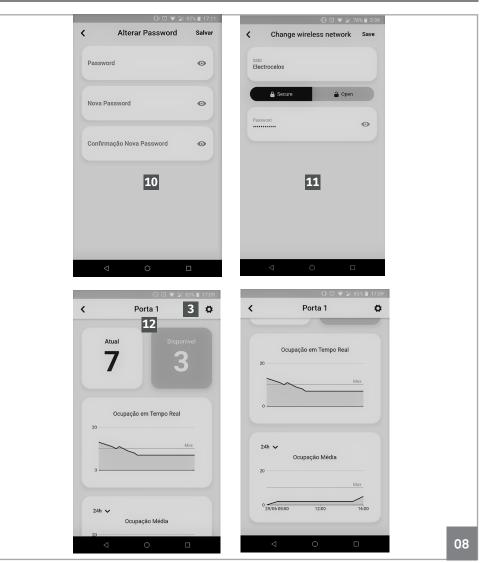
- 01 Update list of controllers.
- 02 Switch to viewing mode.
- 03 Edit controller.
- 04 Controller name.
- 05 Language to be displayed in viewing mode.
- 06 Number of people.
- 07 Limit of persons allowed.
- **08** Button to cancel changes to the controller.
- 09 Button for saving changes to the controller.
- 10 Change the controller password
- **11** Change the controller network
- 12 View data in real time.

PROFESSIONAL



06. PROGRAMMING

APP



The initial default password is "motorline". If you do not have an Ethernet or Wifi network, Porter will create a Wifi network and when connecting to that network you will find Porter in the app. The network will be named "Motorline_Porter_ {number_of_identification_of_porter}".



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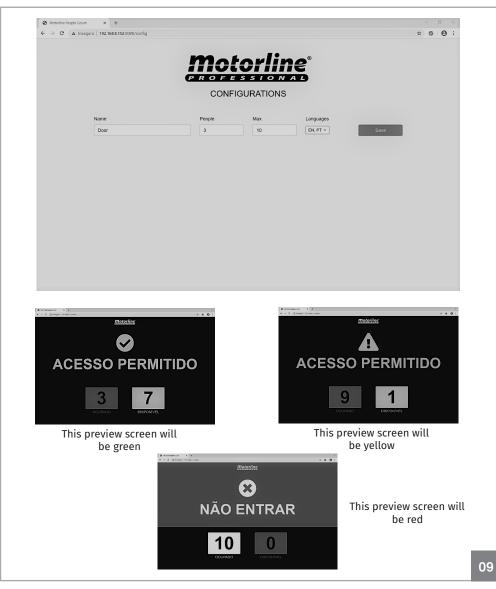
8B



06. PROGRAMMING

WEB

Display mode accessible via http://<controlador-ip>:8080 Editing mode accessible via http://<controlador-ip>8080/config



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