



# SEA<sup>®</sup>

Automatic Gate Openers

International registered trademark n. 804888



ENGLISH

# UNI SWIPE



**SEA S.p.A.**

**Zona Industriale Sant' Atto - 64100 - Teramo - ITALY**

**Telephone: + 39 0861 588341 - Fax: + 39 0861 588344**

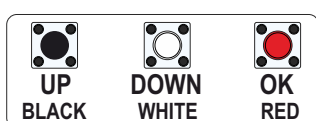
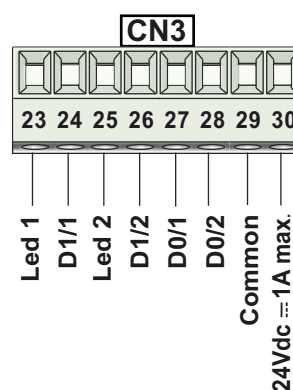
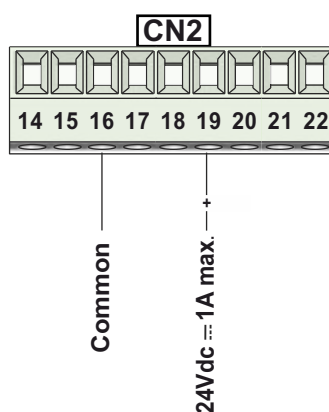
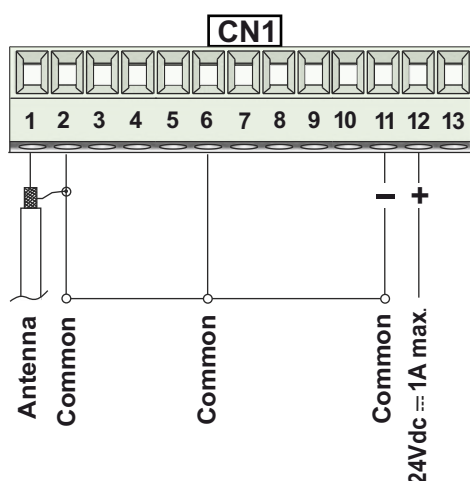
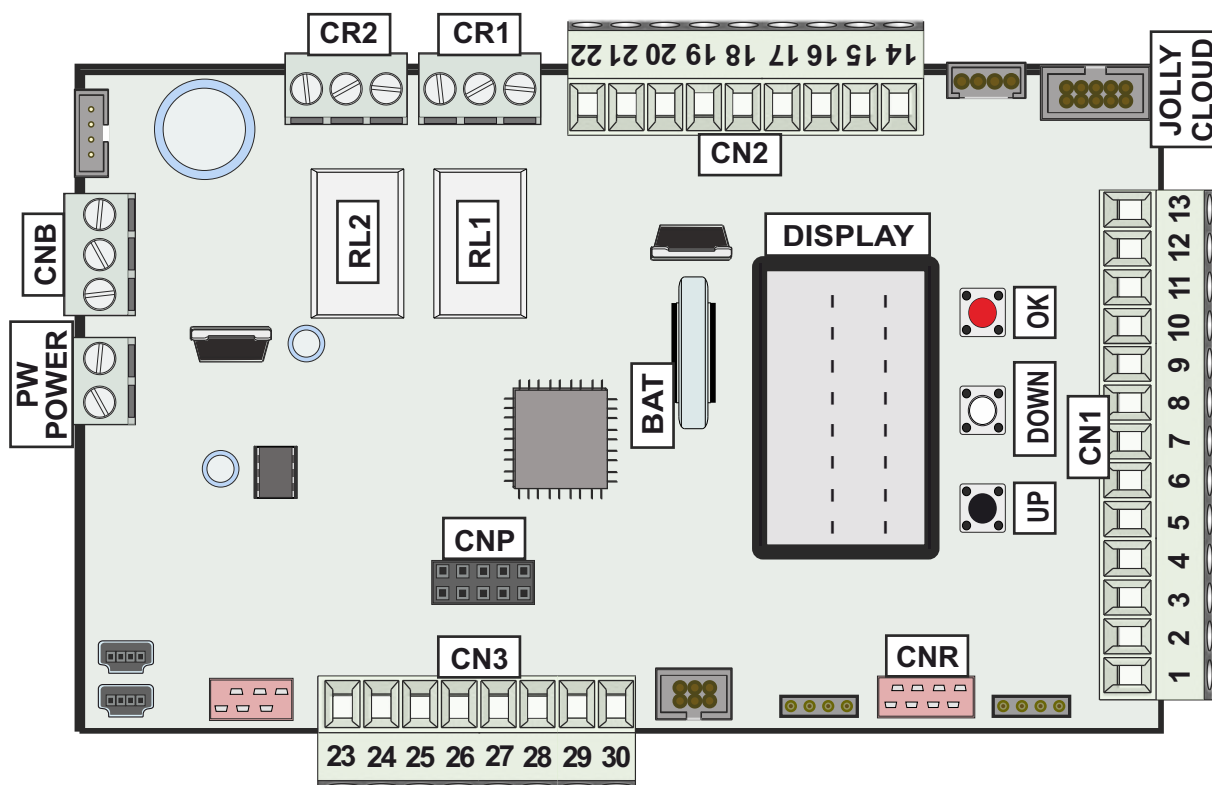
**[www.seateam.com](http://www.seateam.com)**

**[seacom@seateam.com](mailto:seacom@seateam.com)**

# 1 - TERMINALS AND DETAILS



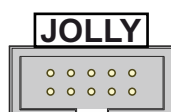
**WARNING: CONNECT ALL DEVICES WHEN THE CONTROL UNIT IS SWITCHED-OFF**



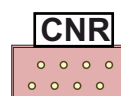
**PROGRAMMING  
BUTTONS**



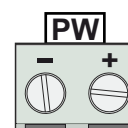
**OPEN  
(Firmware update)**



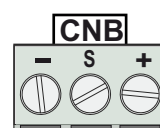
**JOLLY 3  
SEACLOUD**



**RF RECEIVER  
CONNECTOR**



**UNIT  
POWER SUPPLY**

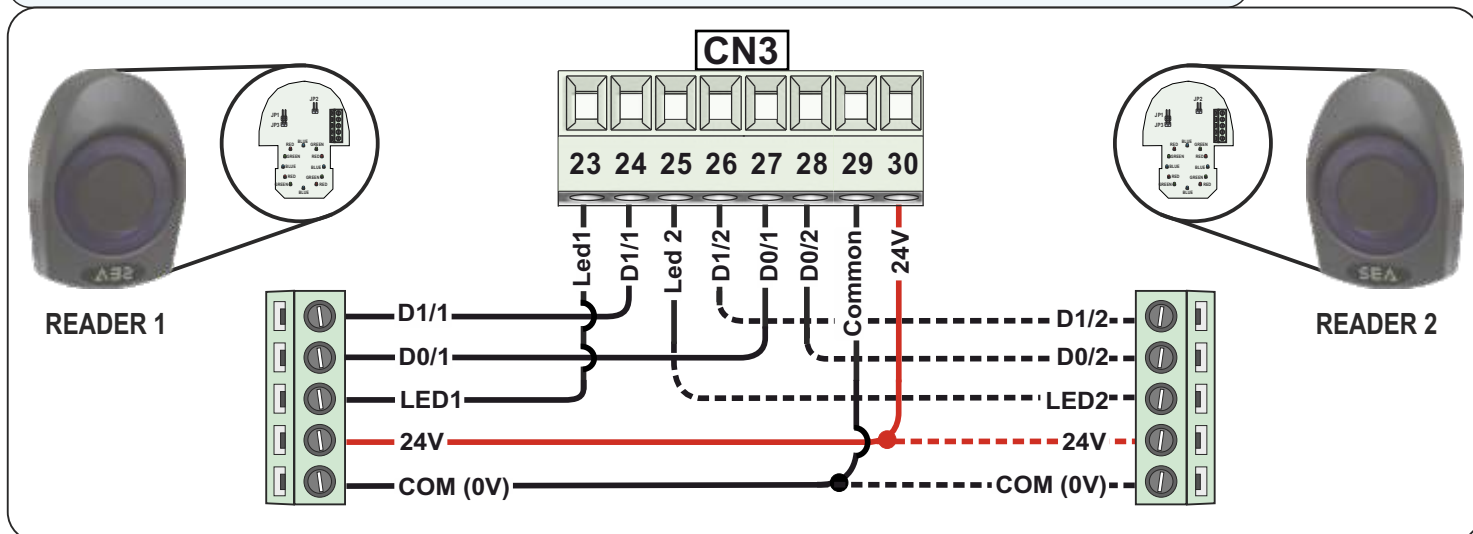


**BATTERY  
CONNECTOR**

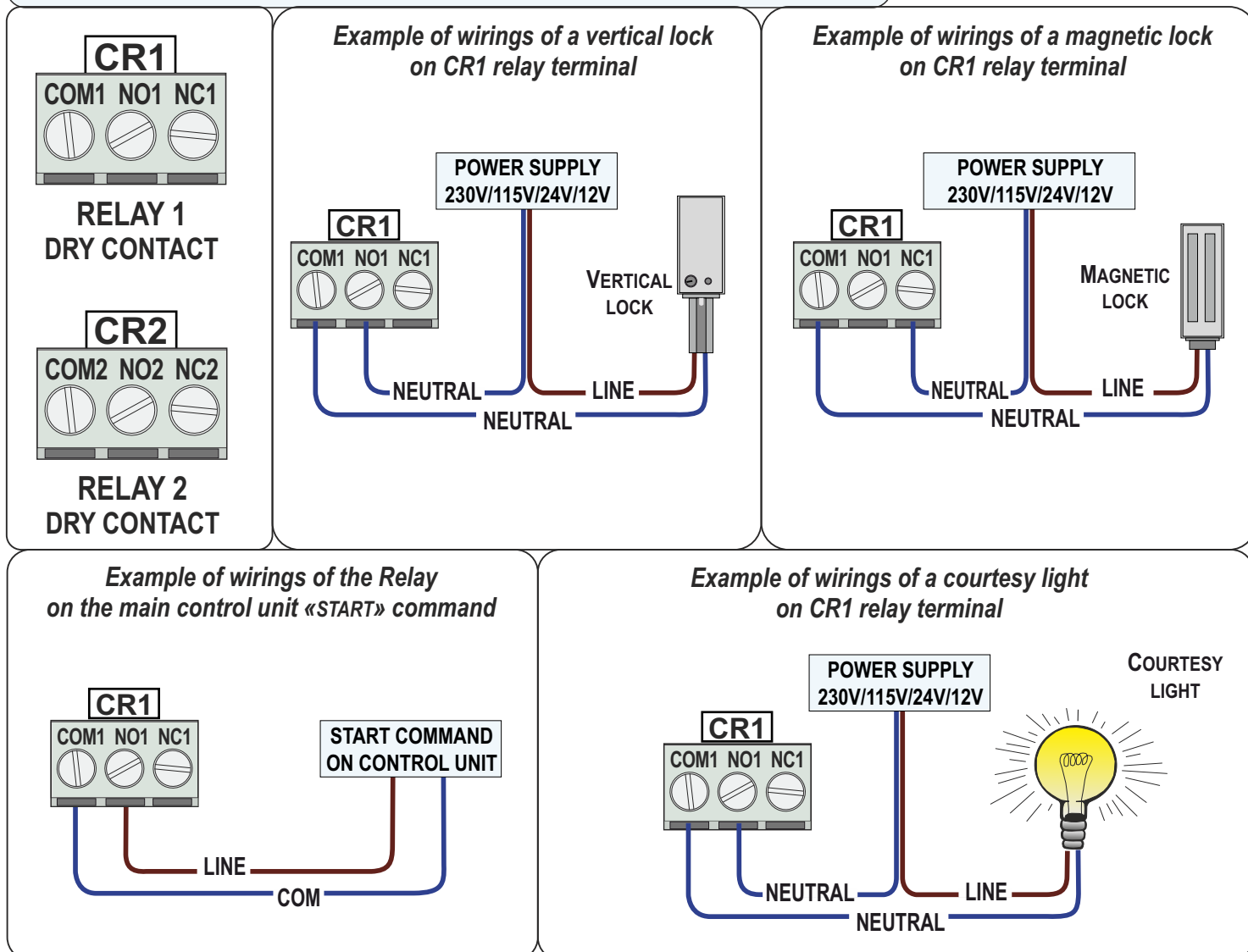
**\* ALL THE 24V INPUTS SUPPORT A MAXIMUM LOAD OF 1A REFERRED TO THE SUM OF THE LOADS OF ALL 24V ACCESSORIES CONNECTED, INCLUDING THE ABSORPTION OF THE RECEIVER ON BOARD (30 mA)**

## 2 - MAIN WIRINGS

### 2.1 - WIRINGS OF ONE OR TWO «READ» TRANSPONDERS READER



### 2.2 - WIRINGS OF ACCESSORIES ON RELAY TERMINALS



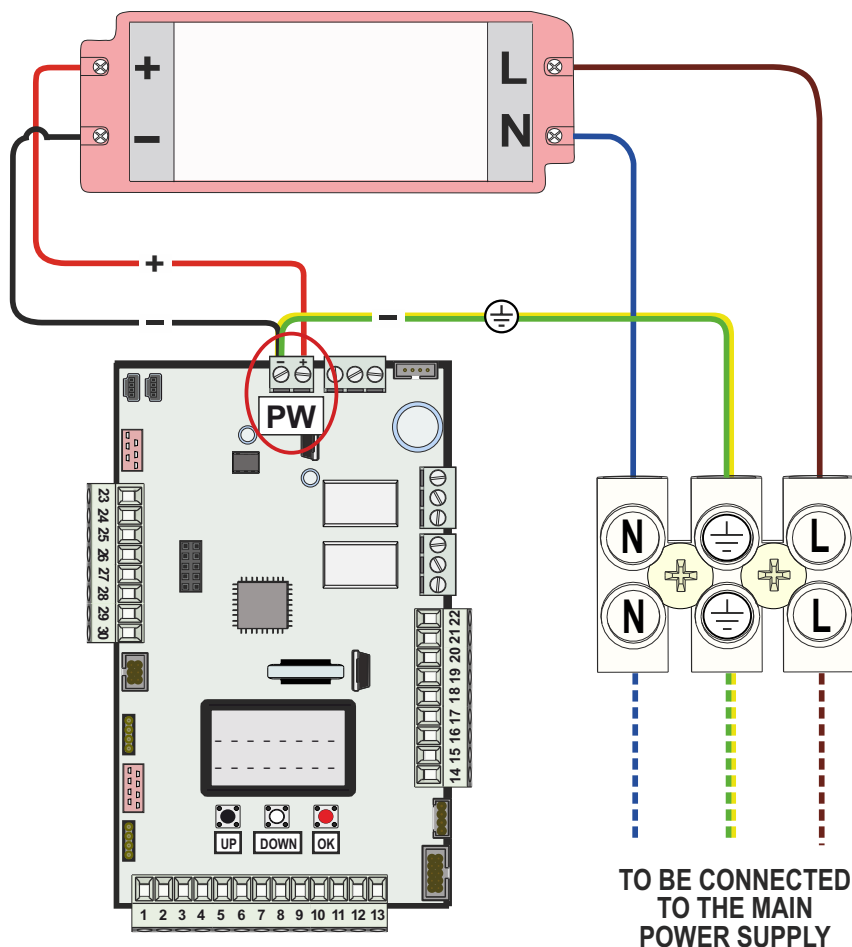
\* EACH RELAY TERMINAL SUPPORTS A MAXIMUM LOAD OF 3A AND 250VAC

### 3 - POWER SUPPLY

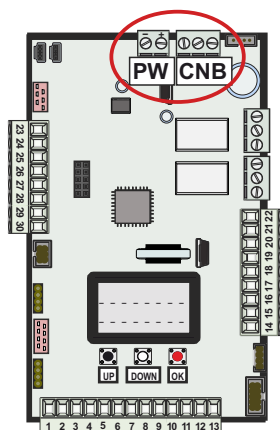


- FUSE 16AT DELAYED ON 230V~ POWER SUPPLY  
FUSE 16AT DELAYED ON 115V~ POWER SUPPLY
- USE A 10A DIFFERENTIAL SWITCH TO PROTECT THE POWER SUPPLY SYSTEM
- IN CASE OF UNSTABLE POWER SUPPLY, THE USE OF AN EXTERNAL UPS OF MIN.800VA IS RECOMMENDED

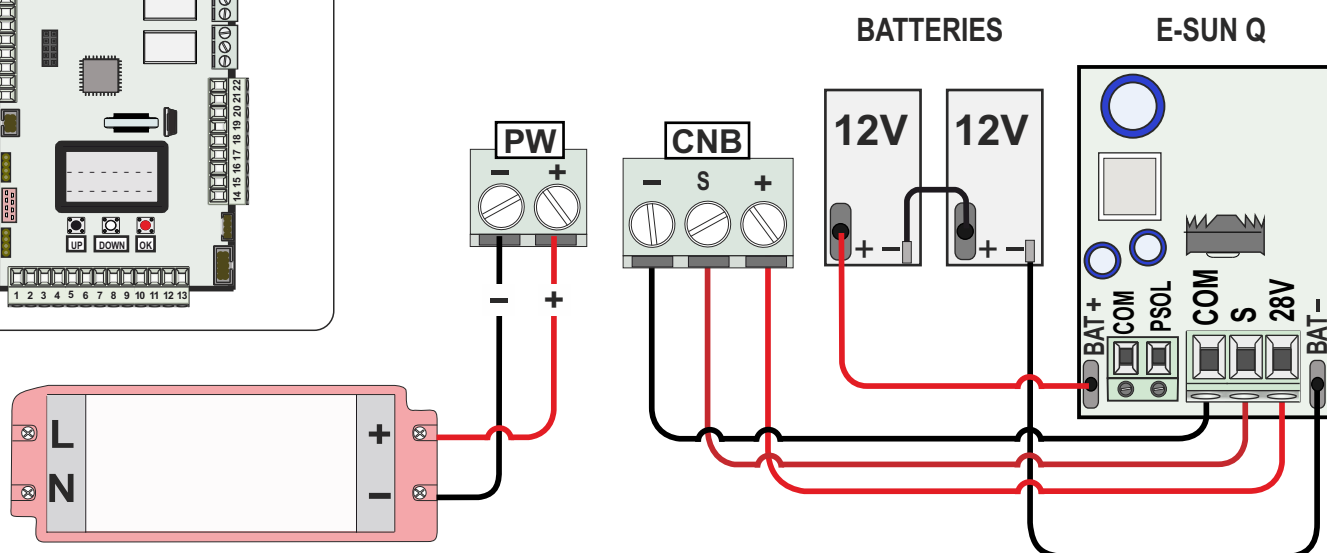
 **FOR THE CONNECTION TO THE POWER GRID**  
**RESPECT THE LAWS IN FORCE**



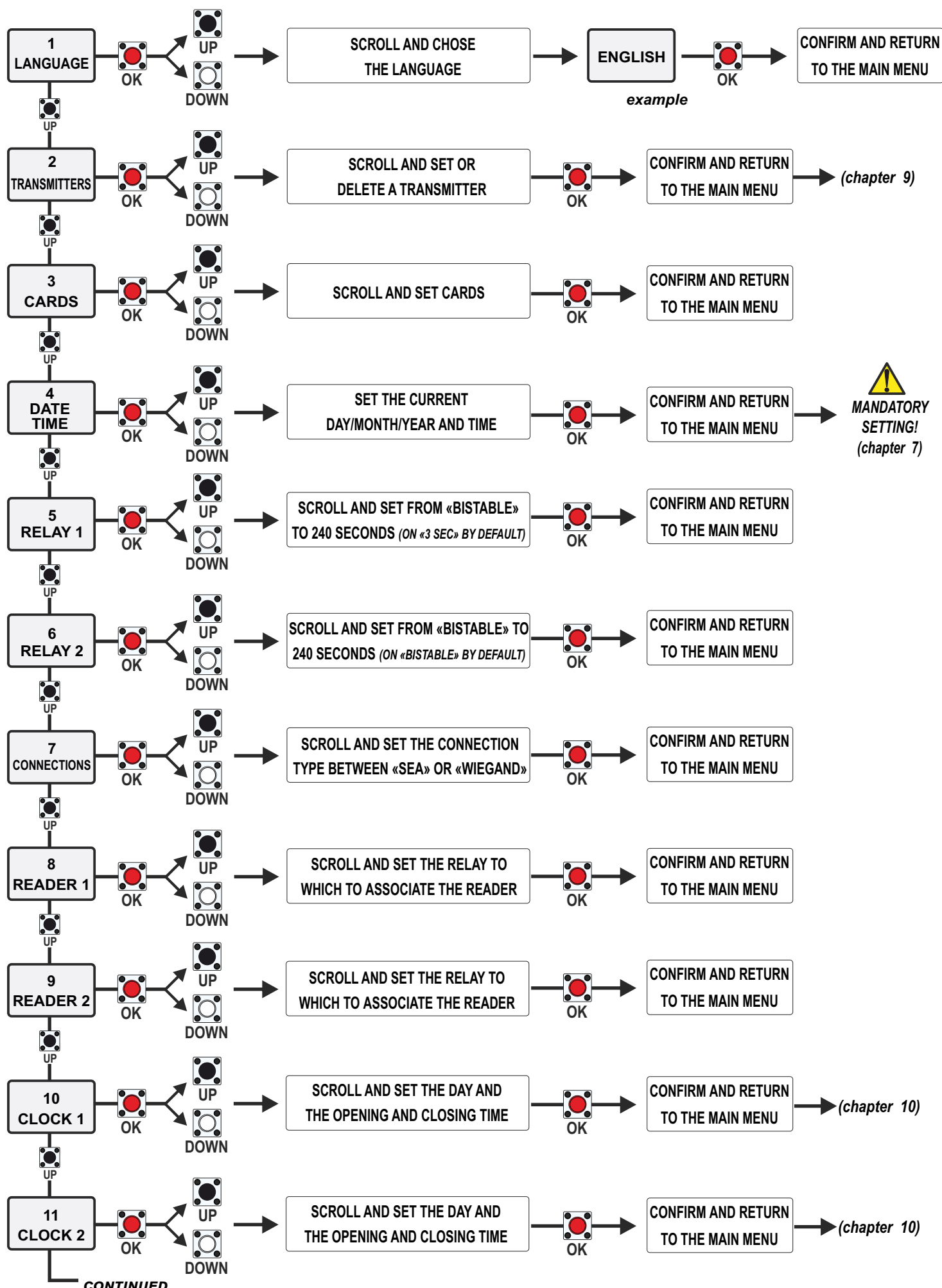
### 4 - EMERGENCY BATTERIES

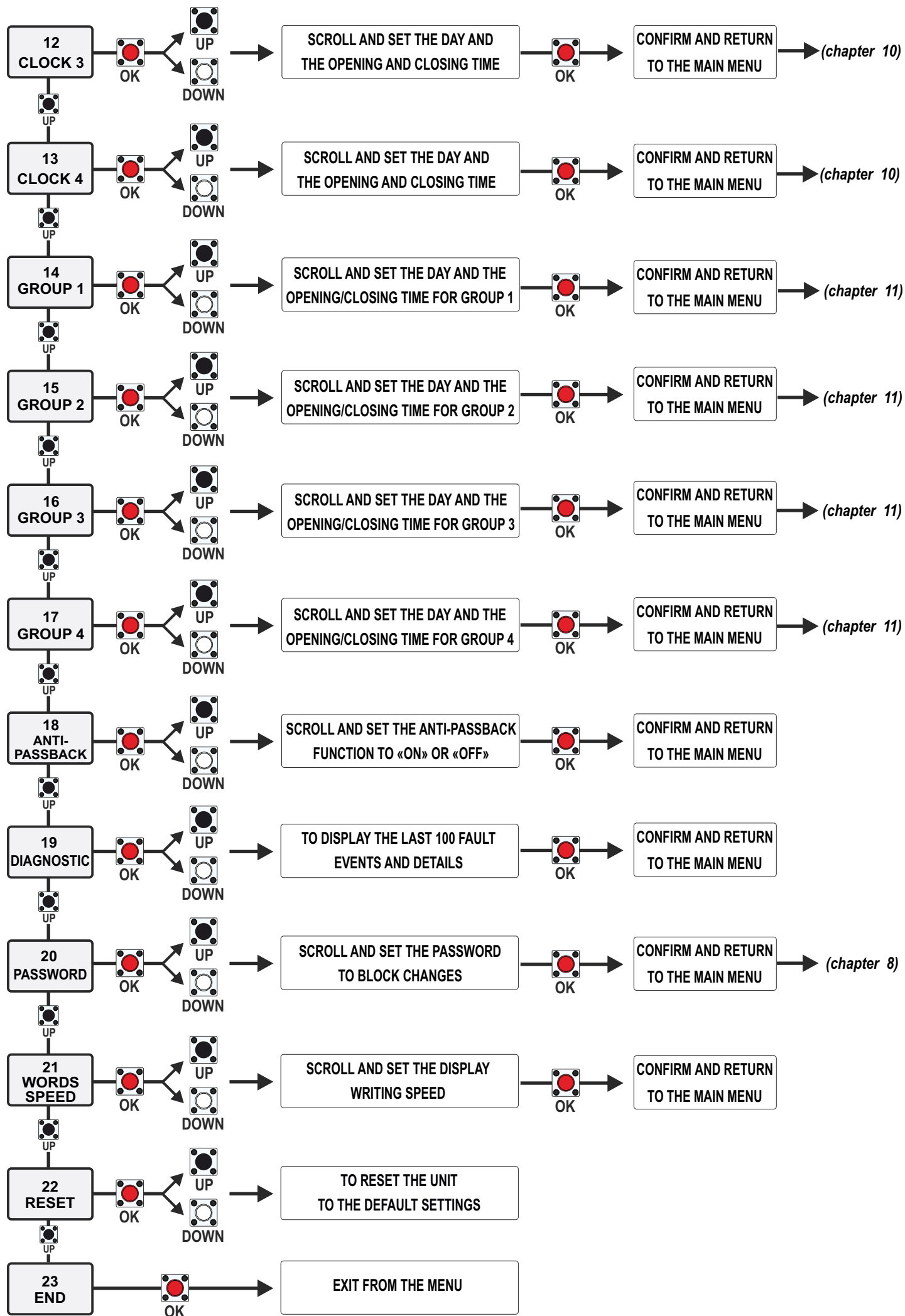


*Example of wirings of the emergency batteries with «E-SUN Q» battery charger unit*



## 5 - MENU







## 6 - MENU FUNCTIONS TABLE

MENU		SET	DESCRIPTION
1	LANGUAGE	<i>Italiano</i>	Italian
		<i>English</i>	English
		<i>Français</i>	French
		<i>Español</i>	Spanish
		<i>Dutch</i>	Dutch
2	TRANSMITTERS	<i>Relay 1 Group Press button</i>	To enable the Tx operation on the Relay 1; In case of group, choose the group of Tx to enable on Relay 1;
		<i>Relay 2 Group Press button</i>	To enable the Tx operation on the Relay 2; In case of group, choose the group of Tx to enable on Relay 2;
		<i>Delete a transmitter</i>	To delete a single transmitter (TX)
		<i>Clear memory</i>	To delete the full TX memory on the receiver
		<i>Change group</i>	To modify the TX group of operation
		<i>End</i>	To exit the menu "transmitters"
3	CARDS	<i>Learning Group Pass Card</i>	To enable the learning of a card; In case of group, choose the group of cards to enable. Pass each card on the reader for the learning
		<i>Delete a card</i>	To delete a single card
		<i>Clear memory</i>	To clear the full memory
		<i>Change group</i>	To change the group number
4	DATE AND TIME	<i>Mon - Sun dd/mm/yyyy Time</i>	To set the current date and time <b><i>This setting is mandatory to use all other function where a date and a time is required</i></b>
5	RELAY 1	<i>Bistable 1 - 240 seconds</i>	To enable the Relay 1 - choose the "bistable" operation of the Relay or set the activation time up to 240 seconds
6	RELAY 2	<i>Bistable 1 - 240 seconds</i>	To enable the Relay 2 - choose the "bistable" operation of the Relay or set the activation time up to 240 seconds
7	CONNECTION	<i>SEA</i>	To choose the type of reader connection
		<i>WIEGAND</i>	
8	READER 1	<i>Relay 1</i>	To choose the Relay to which to associate the reader 1
		<i>Relay 2</i>	
9	READER 2	<i>Relay 1</i>	To choose the Relay to which to associate the reader 2
		<i>Relay 2</i>	
10	CLOCK 1	<i>Relay</i>	To set a first time band in which keeping the gate open. It is possible to set, in order: the Relay of operation, the opening time, the closing time and the day on which you want to open and keep the gate open
		<i>Opening time</i>	
		<i>Closing time</i>	
		<i>Days</i>	
		<i>Modify</i>	To modify the pre-set time and day
		<i>Exit</i>	Exit from menu

MENU		SET	DESCRIPTION
<b>11</b>	CLOCK 2	<i>Relay</i>	To set a second time band in which keeping the gate open. It is possible to set, in order: the Relay of operation, the opening time, the closing time and the day on which you want to open and keep the gate open
		<i>Opening time</i>	
		<i>Closing time</i>	
		<i>Days</i>	
		<i>Modify</i>	To modify the pre-set time and day
		<i>Exit</i>	Exit from menu
<b>12</b>	CLOCK 3	<i>Relay</i>	To set a third time band in which keeping the gate open. It is possible to set, in order: the Relay of operation, the opening time, the closing time and the day on which you want to open and keep the gate open
		<i>Opening time</i>	
		<i>Closing time</i>	
		<i>Days</i>	
		<i>Modify</i>	To modify the pre-set time and day
		<i>Exit</i>	Exit from menu
<b>13</b>	CLOCK 4	<i>Relay</i>	To set a fourth time band in which keeping the gate open. It is possible to set, in order: the Relay of operation, the opening time, the closing time and the day on which you want to open and keep the gate open
		<i>Opening time</i>	
		<i>Closing time</i>	
		<i>Day of the week</i>	
		<i>Modify</i>	To modify the pre-set time and day
		<i>Exit</i>	Exit from menu
<b>14</b>	GROUP 1	<i>Relay</i>	To set a time band in which the first group of cards is enabled. It is possible to set, in order: the Relay of operation, the opening time, the closing time and the day on which you want to enable the first group of cards
		<i>Opening time</i>	
		<i>Closing time</i>	
		<i>Day of the week</i>	
		<i>Exit</i>	Exit from menu
<b>15</b>	GROUP 2	<i>Relay</i>	To set a time band in which the second group of cards is enabled. It is possible to set, in order: the Relay of operation, the opening time, the closing time and the day on which you want to enable the second group of cards
		<i>Opening time</i>	
		<i>Closing time</i>	
		<i>Day of the week</i>	
		<i>Exit</i>	Exit from menu
<b>16</b>	GROUP 3	<i>Relay</i>	To set a time band in which the third group of cards is enabled. It is possible to set, in order: the Relay of operation, the opening time, the closing time and the day on which you want to enable the third group of cards
		<i>Opening time</i>	
		<i>Closing time</i>	
		<i>Day of the week</i>	
		<i>Exit</i>	Exit from menu
<b>17</b>	GROUP 4	<i>Relay</i>	To set a time band in which the fourth group of cards is enabled. It is possible to set, in order: the Relay of operation, the opening time, the closing time and the day on which you want to enable the fourth group of cards
		<i>Opening time</i>	
		<i>Closing time</i>	
		<i>Day of the week</i>	
		<i>Exit</i>	Exit from menu



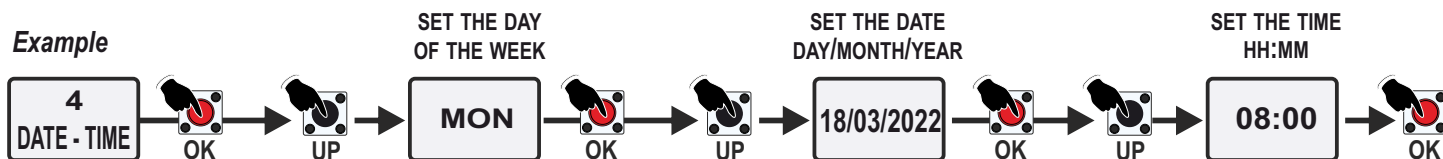
MENU		SET	DESCRIPTION
18	ANTI-PASSBACK	On	To enable/disable the anti-passback function: when a card accesses, cannot access again without exit first
		Off	
19	DIAGNOSTICS	1      100	To display the last fault events; It is possible to display details for each event, such as date, time, card or TX number and reader on which the event happened
20	PASSWORD	<b>Note: "0000" setting is not allowed</b>	To enter a password for blocking the control unit parameters modification
21	DISPLAY WRITING SPEED	From 30% to 100%	To set the display writing speed; on value 100% the speed will be very high
14	RESET	A count-down of 5 seconds will start by holding the UP button; at its end "INIT" will appear on the display as confirmation of the control board reset	
15	END	Press OK to exit the menu	

## 7 - DATE AND TIME SETTING

- TO SET THE CURRENT DATE AND TIME

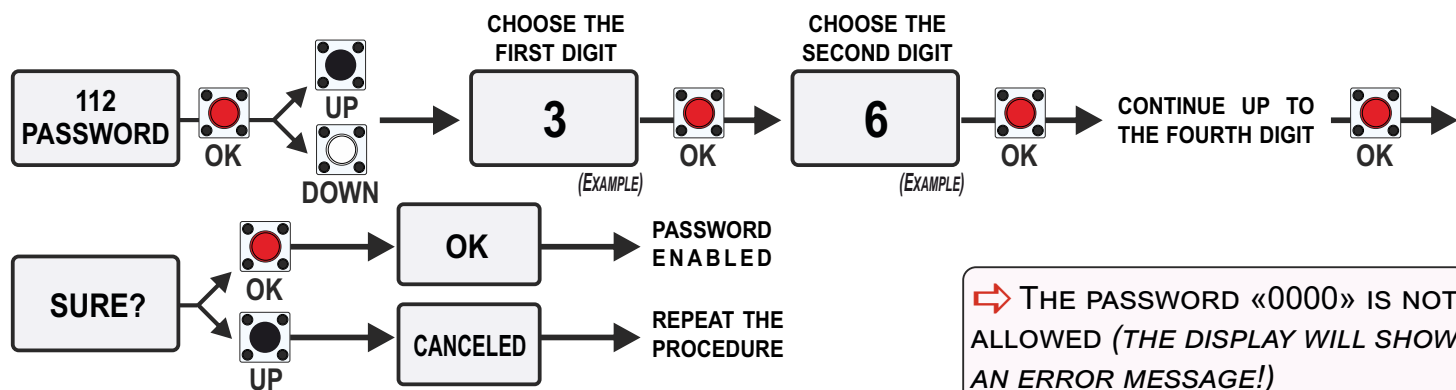
**! THIS SETTING IS MANDATORY TO USE ALL OTHER FUNCTION WHERE A DATE AND A TIME IS REQUIRED**

Example

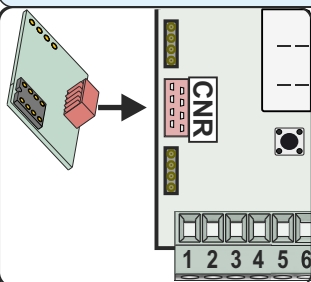


## 8 - PASSWORD

- ONCE THE PASSWORD IS ENABLED, ALL THE MENUS CAN NOT BE ADJUSTED, THEY ARE ONLY DISPLAYED
- IF YOU FORGET THE PASSWORD, CONTACT THE SEA TECHNICAL ASSISTANCE: **SEA RESERVES THE RIGHT TO EVALUATE AND DECIDE WHETHER TO PROVIDE OR NOT THE UNLOCKING PROCEDURE**

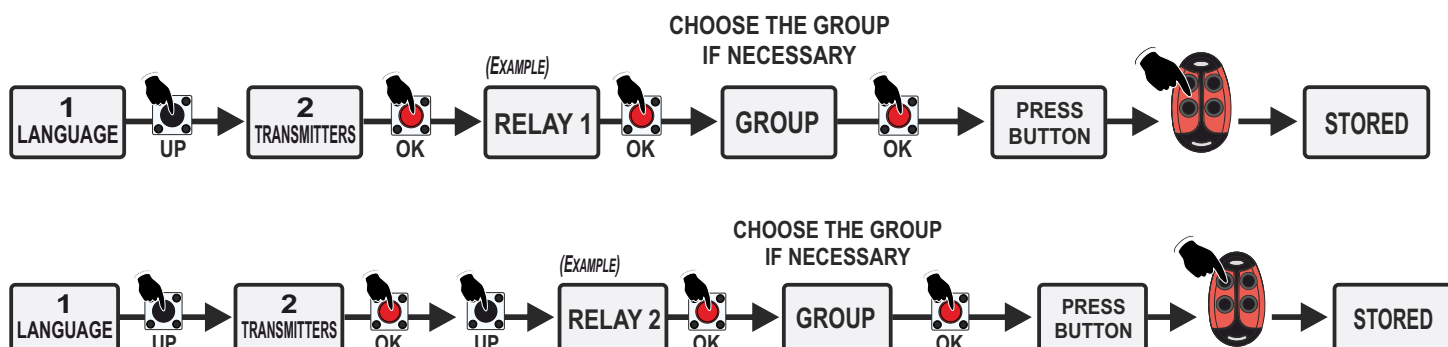


## 9 - RECEIVERS AND TRANSMITTERS



- **WHEN THE UNIT IS SWITCHED-OFF**, CHECK THAT THE RECEIVER IS CORRECTLY PLUGGED IN
- PROGRAM THE TRANSMITTERS BEFORE CONNECTING THE ANTENNA
- PROGRAM THE TRANSMITTERS ONLY WHEN THE SYSTEM IS NOT IN FUNCTION

### 9.1 - EXAMPLES OF TRANSMITTERS PROGRAMMING



## 10 - CLOCK SETTING

● SETTING OF A DAY AND A TIME SLOT TO MANAGE THE PLANNED OPENINGS AND CLOSINGS (**WEEKLY SETTING**)

● UP TO 4 TIME SLOTS AVAILABLE (**ONE FOR EACH CLOCK**) FOR EACH DAY YOU WANT TO PLAN!

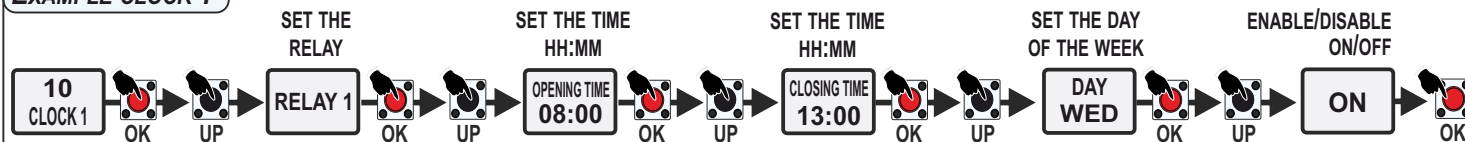
**10**  
CLOCK 1

**11**  
CLOCK 2

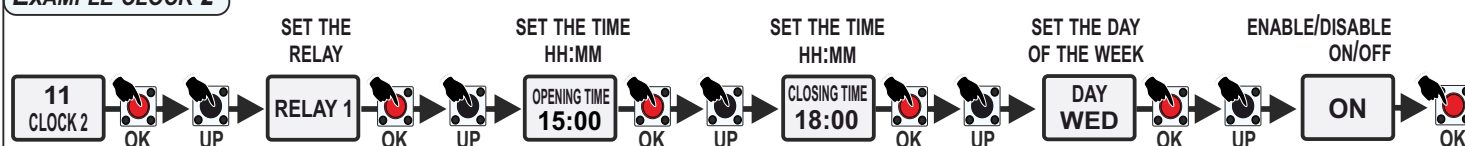
**12**  
CLOCK 3

**13**  
CLOCK 4

### EXAMPLE CLOCK 1

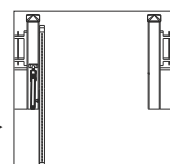


### EXAMPLE CLOCK 2

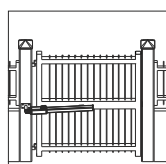


OUTCOMING  
SETTING:

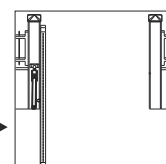
EVERY  
WEDNESDAY  
DAY  
WED



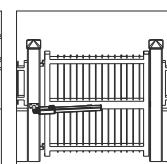
OPENS 8:00



CLOSES 13:00



OPENS 15:00



CLOSES 18:00

## 11 - GROUP SETTING

● SETTING OF A DAY AND A TIME SLOT TO MANAGE THE ACCESS AND THE EXIT OF A GROUP OF CARDS (**WEEKLY SETTING**)

● UP TO 2 TIME SLOTS AVAILABLE (**ONE FOR EACH RELAY**) FOR EACH DAY YOU WANT TO PLAN!

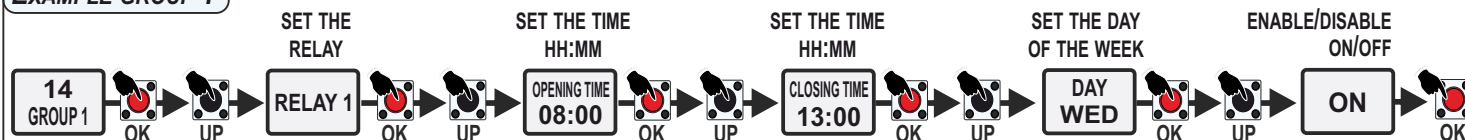
**14**  
GROUP 1

**15**  
GROUP 2

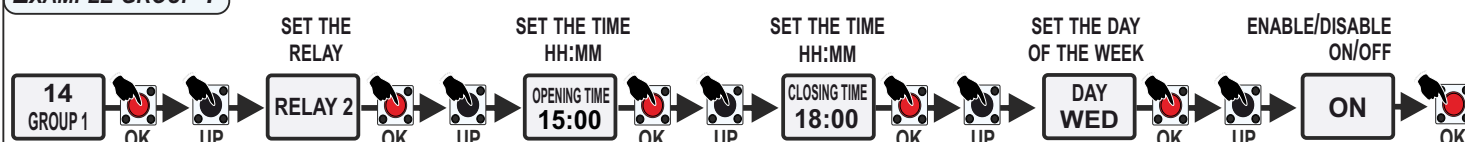
**16**  
GROUP 3

**17**  
GROUP 4

### EXAMPLE GROUP 1



### EXAMPLE GROUP 1



OUTCOMING  
SETTING:

EVERY  
WEDNESDAY  
DAY  
WED



ADMITTED - 8:00



NOT ADMITTED - 13:00



ADMITTED - 15:00



NOT ADMITTED - 18:00

## TO THE ATTENTION OF BOTH INSTALLER AND END USER

**WARNINGS:** All electrical installation should comply the current regulations. A **16A - 0,030A** differential switch must be used. The entire system must be properly earth bonded. Separate the main supply cables (operators, power supply) from 24V command cables (photocells, push-buttons, etc) through pipes or sheats to prevent interferences and noise. **Always use cable-glands or pipes close to the control unit box to protect the interconnection cables against pulling efforts**

**REPLACEMENTS:** Send request for spare parts to: **SEA S.p.A. - Teramo - ITALY - [www.seateam.com](http://www.seateam.com)**

**SAFETY AND ENVIRONMENTAL COMPATIBILITY:** Disposal of packaging materials and/or circuits should take place in an approved disposal facility





### REGULAR PRODUCT DISPOSAL (electric and electronic waste)

(It's applicable in EU countries and in those ones provided with a differential waste collection)

This brand on the product or on documentation indicates that the product must not be disposed off together with other domestic waste at the end of its life cycle. In order to avoid any possible environmental or health damage caused by irregular waste disposal, we recommend to separate this product from other types of waste and to recycle it in a responsible way in order to provide the sustainable re-use of material resources. Domestic users are invited to contact the retailer where the product has been purchased or the local office to get all the information related to differential waste collection and recycling of this kind of product

### STORAGE

WAREHOUSING TEMPERATURES			
T <sub>min</sub>	T <sub>Max</sub>	Dampness <sub>min</sub>	Dampness <sub>Max</sub>
- 20°C 	+ 65°C 	5% <i>not condensing</i>	90% <i>not condensing</i>

Materials handling must be made with appropriate vehicles

**WARRANTY LIMITS** - see the sales conditions

*SEA S.p.A. reserves the right to make any required modification or change to the products and/or to this manual without any advanced notice obligation*

### GENERAL NOTICE FOR THE INSTALLER AND THE USER

- 1. Read carefully these Instructions** before beginning to install the product. Store these instructions for future reference
- 2. Don't waste product packaging materials and/or circuits.**
- 3. This product was designed and built strictly for the use indicated in this documentation.** Any other use, not expressly indicated here, could compromise the good condition/operation of the product and/or be a source of danger. SEA S.p.A. declines all liability caused by improper use or different use in respect to the intended one.
- 4. The mechanical parts must be comply with Directives:** Machine Regulation 2006/42/CE and following adjustments), Low Tension (2006/95/CE), electromagnetic Consistency (2004/108/CE) Installation must be done respecting Directives: EN12453 and En12445.
- 5. Do not install the equipment in an explosive atmosphere.**
- 6. SEA S.p.A. is not responsible for failure to observe Good Techniques in the construction of the locking elements to motorize, or for any deformation that may occur during use.**
- 7. Before attempting any job on the system, cut out electrical power and disconnect the batteries.** Be sure that the earthing system is perfectly constructed, and connect it metal parts of the lock.
- 8. Use of the indicator-light is recommended for every system, as well as a warning sign well-fixed to the frame structure.**
- 9. SEA S.p.A. declines all liability as concerns the automated system's security and efficiency, if components used, are not produced by SEA S.p.A..**
- 10. For maintenance, strictly use original parts by SEA.**
- 11. Do not modify in any way the components of the automated system.**
- 12. The installer shall supply all information concerning system's manual functioning in case of emergency, and shall hand over to the user the warnings handbook supplied with the product.**
- 13. Do not allow children or adults to stay near the product while it is operating.** The application cannot be used by children, by people with reduced physical, mental or sensorial capacity, or by people without experience or necessary training. Keep remote controls or other pulse generators away from children, to prevent involuntary activation of the system.
- 14. Transit through the leaves is allowed only when the gate is fully open.**
- 15. The User must not attempt to repair or to take direct action on the system and must solely contact qualified SEA personnel or SEA service centers.** User can apply only the manual function of emergency.
- 16. The power cables maximum length between the central engine and motors should not be greater than 10 m.** Use cables with 2,5 mm<sup>2</sup> section. Use double insulation cable (cable sheath) to the immediate vicinity of the terminals, in particular for the 230V cable. Keep an adequate distance (at least 2.5 mm in air), between the conductors in low voltage (230V) and the conductors in low voltage safety (SELV) or use an appropriate sheath that provides extra insulation having a thickness of 1 mm.

## TERMS OF SALES

**EFFICACY OF THE FOLLOWING TERMS OF SALE:** the following general terms of sale shall be applied to all orders sent to SEA S.p.A. All sales made by SEA to all customers are made under the prescription of this terms of sales which are integral part of sale contract and cancel and substitute all apposed clauses or specific negotiations present in order document received from the buyer.

**GENERAL NOTICE** The systems must be assembled exclusively with SEA components, unless specific agreements apply. Non-compliance with the applicable safety standards (European Standards EM12453 – EM 12445) and with good installation practice releases SEA from any responsibilities. SEA shall not be held responsible for any failure to execute a correct and safe installation under the above mentioned standards.

**1) PROPOSED ORDER** The proposed order shall be accepted only prior SEA approval of it. By signing the proposed order, the Buyer shall be bound to enter a purchase agreement, according to the specifications stated in the proposed order.

On the other hand, failure to notify the Buyer of said approval must not be construed as automatic acceptance on the part of SEA.

**2) PERIOD OF THE OFFER** The offer proposed by SEA or by its branch sales department shall be valid for 30 solar days, unless otherwise notified.

**3) PRICING** The prices in the proposed order are quoted from the Price List which is valid on the date the order was issued. The discounts granted by the branch sales department of SEA shall apply only prior to acceptance on the part of SEA. The prices are for merchandise delivered ex-works from the SEA establishment in Teramo, not including VAT and special packaging. SEA reserves the right to change at any time this price list, providing timely notice to the sales network. The special sales conditions with extra discount on quantity basis (Qx, Qx1, Qx2, Qx3 formula) is reserved to official distributors under SEA management written agreement.

**4) PAYMENTS** The accepted forms of payment are each time notified or approved by SEA. The interest rate on delay in payment shall be 1.5% every month but anyway shall not be higher than the max. interest rate legally permitted.

**5) DELIVERY** shall take place, approximately and not peremptorily, within 30 working days from the date of receipt of the order, unless otherwise notified. Transport of the goods shall be at Buyer's cost and risk. SEA shall not bear the costs of delivery giving the goods to the carrier, as chosen either by SEA or by the Buyer. Any loss or damage of the goods during transport, are at Buyer's cost

**6) COMPLAINTS** Any complaints and/or claims shall be sent to SEA within 8 solar days from receipt of the goods, proved by adequate supporting documents as to their truthfulness.

**7) SUPPLY** The concerning order will be accepted by SEA without any engagement and subordinately to the possibility to get it's supplies of raw material which is necessary for the production; Eventual completely or partially unsuccessful executions cannot be reason for complains or reservations for damage. SEA supply is strictly limited to the goods of its manufacturing, not including assembly, installation and testing. SEA, therefore, disclaims any responsibility for damage deriving, also to third parties, from non-compliance of safety standards and good practice during installation and use of the purchased products.

**8) WARRANTY** The standard warranty period is 12 months. This warranty time can be extended by means of expedition of the warranty coupon as follows:

**SILVER:** The mechanical components of the operators belonging to this line are guaranteed for 24 months from the date of manufacturing written on the operator.

**GOLD:** The mechanical components of the operators belonging to this line are guaranteed for 36 months from the date of manufacturing written on the operator.

**PLATINUM:** The mechanical components of the operators belonging to this line are guaranteed for 36 months from the date of manufacturing written on the operator. The base warranty (36 months) will be extended for further 24 months (up to a total of 60 months) when it is acquired the certificate of warranty which will be filled in and sent to SEA S.p.A. The electronic devices and the systems of command are guaranteed for 24 months from the date of manufacturing. In case of defective product, SEA undertakes to replace free of charge or to repair the goods provided that they are returned to SEA repair centre. The definition of warranty status is by unquestionable assessment of SEA. The replaced parts shall remain propriety of SEA. Binding upon the parties, the material held in warranty by the Buyer, must be sent back to SEA repair centre with fees prepaid, and shall be dispatched by SEA with carriage forward. The warranty shall not cover any required labour activities.

The recognized defects, whatever their nature, shall not produce any responsibility and/or damage claim on the part of the Buyer against SEA. The guarantee is in no case recognized if changes are made to the goods, or in the case of improper use, or in the case of tampering or improper assembly, or if the label affixed by the manufacturer has been removed including the SEA registered trademark No. 804888. Furthermore, the warranty shall not apply if SEA products are partly or completely coupled with non-original mechanical and/or electronic components, and in particular, without a specific relevant authorization, and if the Buyer is not making regular payments. The warranty shall not cover damage caused by transport, expendable material, faults due to non-conformity with performance specifications of the products shown in the price list. No indemnification is granted during repairing and/or replacing of the goods in warranty. SEA disclaims any responsibility for damage to objects and persons deriving from non-compliance with safety standards, installation instructions or use of sold goods. The repair of products under warranty and out of warranty is subject to compliance with the procedures notified by SEA.

**9) RESERVED DOMAIN** A clause of reserved domain applies to the sold goods; SEA shall decide autonomously whether to make use of it or not, whereby the Buyer purchases propriety of the goods only after full payment of the latter.

**10) COMPETENT COURT OF LAW** In case of disputes arising from the application of the agreement, the competent court of law is the tribunal of Teramo. SEA reserves the faculty to make technical changes to improve its own products, which are not in this price list at any moment and without notice. SEA declines any responsibility due to possible mistakes contained inside the present price list caused by printing and/or copying. The present price list cancels and substitutes the previous ones. The Buyer, according to the law No. 196/2003 (privacy code) consents to put his personal data, deriving from the present contract, in SEA archives and electronic files, and he also gives his consent to their treatment for commercial and administrative purposes.

**Industrial ownership rights:** once the Buyer has recognized that SEA has the exclusive legal ownership of the registered SEA brand num.804888 affixed on product labels and / or on manuals and / or on any other documentation, he will commit himself to use it in a way which does not reduce the value of these rights, he won't also remove, replace or modify brands or any other particularity from the products. Any kind of replication or use of SEA brand is forbidden as well as of any particularity on the products, unless preventive and expressed authorization by SEA.

**In accomplishment with art. 1341 of the Italian Civil Law it will be approved expressly clauses under numbers:**

**4) PAYMENTS - 8) GUARANTEE - 10) COMPETENT COURT OF LOW**

**NOTES**

[illegible]







**Automatic Gate Openers**

International registered trademark n. 804888

**SEA S.p.A.**

**Zona Industriale Sant'Atto - 64100 - Teramo - ITALY**

**Tel. +39 0 861 588341 r.a. Fax +39 0 861 588344**

**[www.seateam.com](http://www.seateam.com)**