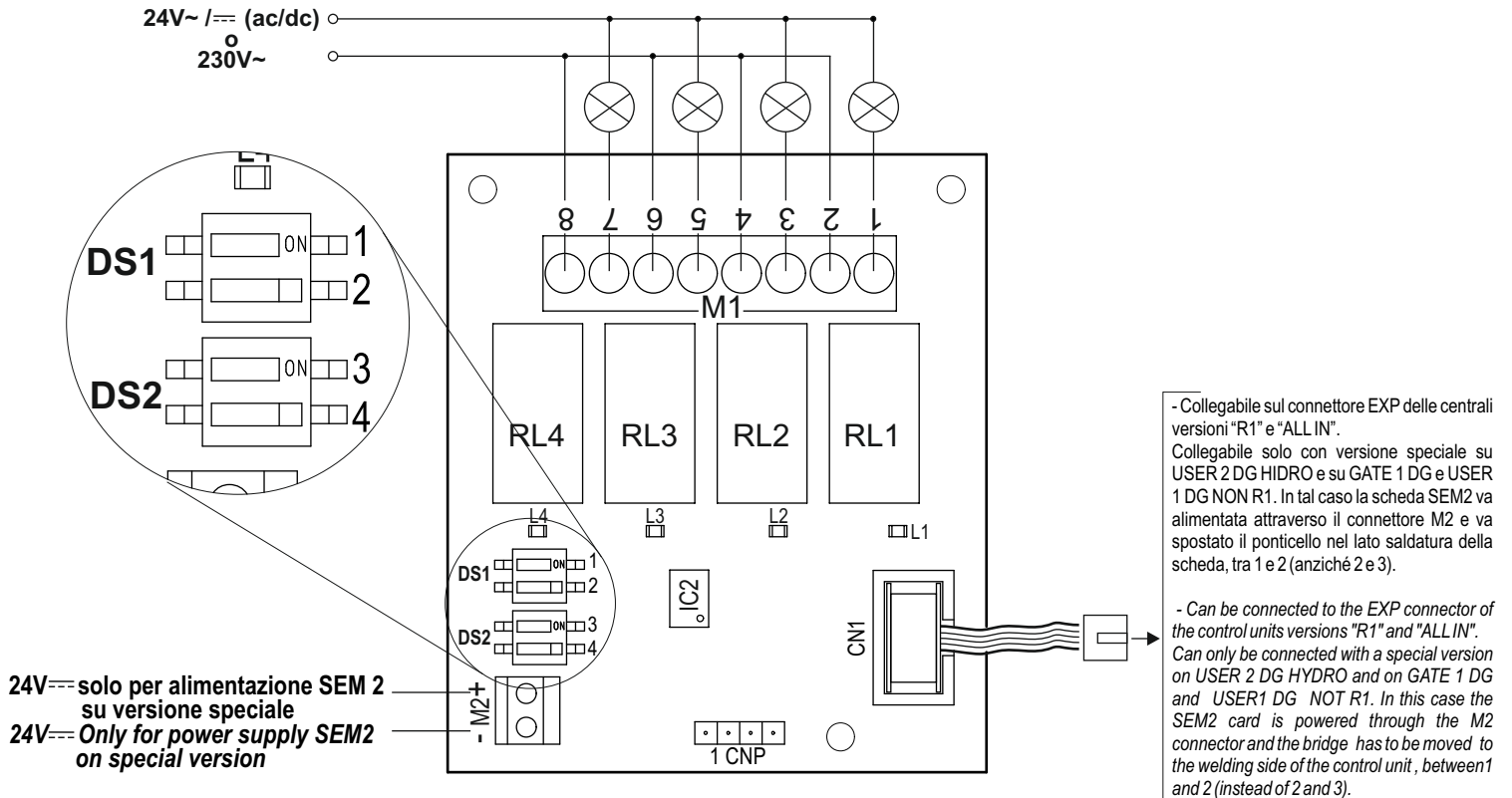




SEM - SEM 2

SCHEDA GESTIONE SEMAFORO / TRAFFIC LIGHT CARD MANAGEMENT (23021100 - 23021105)



Italiano

SPECIFICHE SEMAFORO SCHEDA SEMAFORO (SEM - SEM 2)

:Specifiche software

p schede espansione in serie tra loro, per farlo bisogna mettere in ON il DIP 1 della scheda espansione collegata direttamente alla centrale. E' possibile collegare fino a

Modalità 1 (Funzione Semaforo BASE):

Selezione dip-switch 1,2,3 = off, off, off

.Il relè 1 semaforo Rosso, sarà attivo a cancello chiuso, a cancello in chiusura e a cancello in stato di fermo in posizione non chiuso.

.Il relè 2 semaforo Verde, sarà acceso a cancello in apertura e a cancello aperto.

.Il relè 3 semaforo Rosso, sarà attivo sempre, tranne che a cancello completamente aperto.

.Il relè 4 semaforo Verde, sarà attivo solo a cancello aperto.

2: Modalità

Selezione dip-switch 1,2,3 = on, off, off

Relè 1 = comanderà una serratura a paletto o un freno positivo e sarà attivo da un secondo prima dell'apertura fino a cancello completamente aperto.

.Relè 2 = comanderà un freno negativo, per cui il relè verrà disalimentato 1 secondo prima della partenza del motore, per tutta la durata del ciclo.

Relè 3 = Questo relè si attiverà un secondo prima dell'apertura e rimarrà attivo per due secondi dopo l'apertura)ad esempio per il collegamento di una elettroserratura

Relè 4 = Questo relè si attiverà un secondo prima della chiusura e rimarrà attivo per due secondi dopo la chiusura)ad esempio per il collegamento di una elettroserratura in chiusura

3: Modalità

Selezione dip-switch 1,2,3 = off, on, off

Relè 1 = Copia del comando del lampeggiante on-board

Relè 2 = Copia del comando della luce di cortesia on-board

3 = Se si programma un pulsante del TX sulla funzione M.EST, il relè 3 si attiverà in modalità Bistabile. Relè

4 = Si attiverà ad in qualsiasi momento ci sia il comando di start e per 3s dal rilascio. Relè

4) Semaforo a prenotazione: Modalità

n: questo funzionamento deve essere associato alla selezione del menu PD.S.E su ON, che imposta l'ingresso pedonale come se fosse un comando di start. Inoltre è obbligatorio attivare la richiusura automatica attiva e tenere lo start in pausa in OFF. Nota

2: questa logica è gestita anche attraverso il radiocomando, memorizzando i comandi di start e start Pedonale. Nota

Selezione dip-switch 1,2,3 = on, on, off

Y = Semaforo rosso in ingresso Relè
Relè Y = Semaforo verde in ingresso
Y = Semaforo rosso in uscita Relè
Relè Y = Semaforo verde in uscita

:Stati semaforo

- Cancelli chiusi con start)ingresso(e start pedonale)uscita((non impegnati: Semaforo Spento
Mancata alimentazione: Semaforo Spento, il primo ingresso impegnato prenderà la priorità d'uso non appena il cancello risulterà completamente chiuso, nel frattempo il semaforo sarà rosso lampeggiante
Start impegnato a cancello chiuso: Semaforo d'ingresso verde, Semaforo d'uscita rosso. Lo start pedonale sarà ignorato finché il cancello non risulterà chiuso completamente
Start impegnato a cancello aperto in pausa: Ricarica la pausa e il semaforo interno rimane sempre verde e quello esterno rosso-
Cancelli chiusi, start pedonale impegnato semaforo esterno verde, semaforo interno rosso, lo start)ingresso interno(sarà ignorato finché il cancello non risulterà completamente chiuso
Start pedonale impegnato a cancello aperto in pausa: Ricarica la pausa e il semaforo esterno rimane verde e quello interno rosso-
A cancelli in chiusura il comando che aveva la priorità otterrà la riapertura, l'altro dovrà attendere la richiusura completa-

)Semaforo a prenotazione con verde lampeggiante a cancello in movimento)Modalità °:

Y, Y', ε = off, off, on. Selezione dip-switch

- . Questa modalità è come la precedente con l'unica differenza che il verde sarà lampeggiante se il cancello è in movimento
- Cancelli chiusi con start)ingresso(e start pedonale)uscita((non impegnati: Semaforo Spento
Mancata alimentazione: Semaforo spento, il primo ingresso impegnato prenderà la priorità d'uso non appena il cancello risulterà completamente chiuso, nel frattempo il semaforo sarà rosso lampeggiante
Start impegnato a cancello chiuso: Semaforo d'ingresso verde, Semaforo d'uscita rosso. Lo start pedonale sarà ignorato finché il cancello non risulterà chiuso completamente
Start impegnato a cancello aperto in pausa: Ricarica la pausa e il semaforo interno rimane sempre verde e quello esterno rosso-
Cancelli chiusi, start pedonale impegnato semaforo esterno verde, semaforo interno rosso, lo start)ingresso interno(sarà ignorato finché il cancello non risulterà completamente chiuso
Start pedonale impegnato a cancello aperto in pausa: Ricarica la pausa e il semaforo esterno rimane verde e quello interno rosso-

Y)Semaforo a prenotazione con rosso sempre attivo e verde lampeggiante a cancello in movimento:)Modalità

Y, Y', ε = on, off, on. Selezione dip-switch

- . Questa modalità è come la precedente con l'unica differenza che il rosso sarà sempre attivo a cancello chiuso, finché non viene impegnato uno dei due ingressi

Y)Stato dei finecorsa)Modalità

Y, Y', ε = off, on, on. Selezione dip-switch

- . I relè si attiveranno in corrispondenza dei finecorsa o delle battute se non presenti i finecorsa

Relè Y = copia dello stato del finecorsa apertura del motore Y

Relè Y' = copia dello stato del finecorsa chiusura del motore Y

Relè Y' = copia dello stato del finecorsa apertura del motore Y

Relè ε = copia dello stato del finecorsa chiusura del motore Y

Nota: se manca la comunicazione seriale tra la scheda semaforo e la centrale, i relè si bloccano nella situazione in cui sono, tutti i led lampeggiano contemporaneamente

Le schede di gestione SEM e SEM 2, versioni speciali su richiesta, vanno alimentate sul connettore M2 e va spostato il ponticello nel lato saldatura della scheda, tra 1 e 2 (anziché 2 e 3). Le schede SEM e SEM 2 vanno abbinare alle centrali digitali DG secondo quanto segue:

- GATE 1 DG = a partire dalla revisione software "Rev.1"
- GATE 2 DG = a partire dalla revisione software "Rev. 17"
- USER 2 24V DG = a partire dalla revisione software "Rev.9"
- USER 2 24V HIDRO = a partire dalla revisione software "Rev.9"

Per la serie R1 e "ALL IN" le schede di gestione SEM e SEM 2 non necessitano di alimentazione esterna e saranno disponibili su tutte le versioni:

- GATE 1 DG R1
- GATE 2 DG R1
- USER 1 24V DG R1
- USER 2 24V DG "ALL IN"

RICAMBI

Le richieste per parti di ricambio devono pervenire presso: **SEA S.p.A. - Zona Ind.le, 64020 S.ATTO - Teramo - Italia**

SICUREZZA E COMPATIBILITÀ AMBIENTALE

Si raccomanda di non disperdere nell'ambiente i materiali di imballaggio del prodotto e/o circuiti.



CORRETTO SMALTIMENTO DEL PRODOTTO (rifiuti elettrici ed elettronici)

(Applicabile in paesi dell'Unione Europea e in quelli con sistema di raccolta differenziata)

Il marchio riportato sul prodotto o sulla sua documentazione indica che il prodotto non deve essere smaltito con altri rifiuti domestici al termine del ciclo di vita. Per evitare eventuali danni all'ambiente o alla salute causati dall'inopportuno smaltimento dei rifiuti, si invita l'utente a separare questo prodotto da altri tipi di rifiuti e di riciclarlo in maniera responsabile per favorire il riutilizzo sostenibile delle risorse materiali.

Gli utenti domestici sono invitati a contattare il rivenditore presso il quale è stato acquistato il prodotto o l'ufficio locale preposto per tutte le informazioni relative alla raccolta differenziata e al riciclaggio per questo tipo di prodotto.

IMMAGAZZINAMENTO

TEMPERATURE DI STOCCAGGIO			
T_{min}	T_{Max}	Umidità_{min}	Umidità_{Max}
- 20°C	+ 65°C	5% non condensante	90% non condensante

La movimentazione del prodotto deve essere seguita con mezzi idonei.

LIMITI DI GARANZIA

Per la garanzia vedere le Condizioni di vendita riportate nel Listino ufficiale Sea.

La SEA si riserva il diritto di apportare le modifiche o variazioni che ritenesse opportune ai propri prodotti e/o al presente manuale senza alcun obbligo di preavviso.

¶)Traffic light and traffic light card specifications)SEM - SEM

:Software specifications

Expansion cards in series with each other, setting on ON DIP 1 of the expansion card which is connected directly to the control unit. It is possible to connect up to

1)BASIC traffic light function:)Mode

Selection dip switch 1, 2, 3 = off, off, off

.Relay 1 RED traffic light is active when the gate is closed, the gate is closing and when the gate stops in not closed position -

.Relay 2 GREEN traffic light, will be lit when gate is opening and when gate is open -

.Relay 3 RED traffic light, will be lit all the time, except when the gate is completely open -

.Relay 4 GREEN traffic light, will be lit only when gate is open -

2:Mode

Selection dip-switch 1, 2, 3 = on, off, off

.Relay 1 = Controls a bolt lock or a positive brake and will be active 1 second before the starting of the motor until the gate is completely open -

=Controls a negative brake -Relay 2, for which the relay is de-energized 1 second before motor starts and for the entire duration of the cycle.

- Relay 3 = Will be activated 1 second before the opening and will remain switched on for two seconds after the opening. (i.e. for the connection of an electro lock).

Relay 4 = Will be lit 1 second before the closing and will remain switched on for two seconds after the closing)i.e. for the connection of an electro -
.lock in closing

3:Mode

Selection dip-switch 1, 2, 3 = off, on, off

Relay 1 = Copy of the on board warning light control -

Relay 2 = Copy of the on board courtesy light control -

.Relay 3 = When programming a button of the transmitter on the M.EST function, relay 3 will be activated in bistable mode -

.Relay 4 = Will activate every time there is a start command and for 2 seconds from release -

4)Traffic light with reservation:)Mode

Note: This logic is controlled also through the remote control, storing the start and pedestrian start commands. This operation must be associated to the selection of the PD.SEM menu option ON, which sets the pedestrian entrance as if it were a start command. Furthermore, it is mandatory to activate the active automatic reclosing and to keep the start in pause on O

Selection dip-switch 1, 2, 3 = on, on, off

Relay 1 = Red traffic light in entry -

Relay 2 = Green traffic light in entry -

Relay 3 = Red traffic light in exit -

Green traffic light in exit -Relay 4 =

:Traffic light state

Gate closed with start)entry(and pedestrian start)exit(not committed = traffic light OFF -

No power supply: Traffic light OFF, the first committed entry will take the priority of use as soon as the gate results completely closed, in the meantime the traffic light will be red blinking

Gate closed, pedestrian opening committed, external traffic light green, internal traffic light red, the start)internal entry(will be ignored as long as the gate will not be completely closed

.Pedestrian start committed with open gate during pause: Reload the pause and the external traffic light remains green and the internal one red -

.When the gate is closing the command which had priority will obtain the reopening, the other one will have to wait for the complete reclosing -

5)Traffic light with reservation with green flashing light when gate is moving:)Mode

1, 2, 3 = off, off, on. Selection dip-switch

.This mode is like the previous one with the only difference that the traffic light is green flashing when gate is moving

Gate closed, with start)entry(and pedestrian start)exit(not committed = Traffic light off -

Power failure: Traffic light off, the first committed entry will take priority of use as soon as the gate will be completely closed, meanwhile the traffic light will be red flashing

Start committed with closed gate: Green entry traffic light, red exit traffic light. The pedestrian start will be ignored as long as the gate will not be completely closed

Committed Start with open gate during pause: Reloading the pause the internal traffic light remains green and the external traffic light remains red

Gate closed, pedestrian start committed, green external traffic light, red internal traffic light, the start)internal entry(will be ignored as long as the gate will not be completely closed

Pedestrian start committed with open gate during pause: Reloading the pause, the external traffic light remains green and the internal traffic light remains red

6)Traffic light with reservation, with red light always active and green light flashing when gate is moving.)Mode

1, 2, 3 = on, off, on. Selection dip-switch

This mode is like the previous one, with the only difference that the red light will be constantly active when the gate is closed, as long as one of the two entries will not be committed

7)Limit switch state)Mode

1, 2, 3 = off, on, on. Selection dip-switch

.The relays will activate either on the limit switches or on the stops, when no limit switches are present

Relay 1 = copy of the limit switch status in opening of motor 1

Relay 2 = copy of the limit switch status in closing of motor 1.

Relay 3 = copy of the limit switch status in opening of motor 2

Relay 4 = copy of the limit switch status in closing of motor 2

Note: If there is no serial communication between the traffic lights card and the control unit, relays get stuck in the situation in which they are and all 4 Leds will flash simultaneously.

The management cards SEM and SEM 2, special version on request, have to be powered on connector M2 and the bridge has to be moved to the welding side of the control unit, between 1 and 2 (instead of 2 and 3).

The management cards SEM and SEM 2 must be combined with digital control units DG as follows:

- **GATE 1 DG** = starting from software revision "**Rev.1**"
- **GATE 2 DG** = starting from software revision "**Rev. 17**"
- **USER 2 24V DG** = starting from software revision "**Rev.9**"
- **USER 2 24V DG HIDRO** = starting from software revision "**Rev.9**"

For the R1 and "ALL IN" series the management cards SEM and SEM 2 do not need external power supply and will be available on all control units:

- **GATE 1 DG R1**
- **GATE 2 DG R1**
- **USER 1 24V DG R1**
- **USER 2 24V DG "ALL IN"**

REPLACEMENTS

Any request for spare parts must be sent to: **SEA S.p.A. - Zona Ind.le, 64020 S.ATTO - Teramo - Italia**

SAFETY AND ENVIRONMENTAL COMPATIBILITY

Disposal of the packaging materials of products 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)

The brand that you find on the product or on documentation signals that the product must not be disposed off together with other domestic waste at the end of 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 forms 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 in charge of all the information related to differential waste collection and recycling of this kind of product.

STORING

WAREHOUSING TEMPERATURES

T_{min}	T_{Max}	Dampness_{min}	Dampness_{Max}
- 20°C	+ 65°C	5% <i>Not condensing</i>	90% <i>Not condensing</i>

Materials handling must be made with appropriate vehicles..

WARRANTY LIMITS

For the guarantee see the sales conditions on the official SEA price list.

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

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 costumers 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 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 sold 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 and/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:

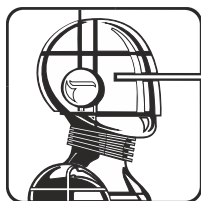
4) PAYMENTS - 8) GUARANTEE - 10) COMPETENT COURT OF LAW

Italiano AVVERTENZE GENERALI PER INSTALLATORE E UTENTE

1. Leggere attentamente le **Istruzioni di Montaggio** e le **Avvertenze Generali** prima di iniziare l'installazione del prodotto. Conservare la documentazione per consultazioni future
2. Non disperdere nell' ambiente i materiali di imballaggio del prodotto e/o circuiti
3. Questo prodotto è stato progettato e costruito esclusivamente per l'utilizzo indicato in questa documentazione. Qualsiasi altro utilizzo non espressamente indicato potrebbe pregiudicare l'integrità del prodotto e/o rappresentare fonte di pericolo. L'uso improprio è anche causa di cessazione della garanzia. La SEA S.p.A. declina qualsiasi responsabilità derivata dall'uso improprio o diverso da quello per cui l'automatismo è destinato.
4. I prodotti SEA sono conformi alle Direttive: Macchine (2006/42/CE e successive modifiche), Bassa Tensione (2006/95/CE e successive modifiche), Compatibilità Elettromagnetica (2004/108/CE e successive modifiche). L'installazione deve essere effettuata nell'osservanza delle norme EN 12453 e EN 12445.
5. Non installare l'apparecchio in atmosfera esplosiva.
6. SEA S.p.A. non è responsabile dell'inosservanza della Buona Tecnica nella costruzione delle chiusure da motorizzare, nonché delle deformazioni che dovessero verificarsi durante l'uso.
7. Prima di effettuare qualsiasi intervento sull'impianto, togliere l'alimentazione elettrica e scollegare le batterie. Verificare che l'impianto di terra sia realizzato a regola d'arte e collegarvi le parti metalliche della chiusura.
8. Per ogni impianto SEA S.p.A. consiglia l'utilizzo di almeno una segnalazione luminosa nonché di un cartello di segnalazione fissato adeguatamente sulla struttura dell'infisso.
9. SEA S.p.A. declina ogni responsabilità ai fini della sicurezza e del buon funzionamento della automazione, in caso vengano utilizzati componenti di altri produttori.
10. Per la manutenzione utilizzare esclusivamente parti originali SEA.
11. Non eseguire alcuna modifica sui componenti dell'automazione.
12. L'installatore deve fornire tutte le informazioni relative al funzionamento manuale del sistema in caso di emergenza e consegnare all'Utente utilizzatore dell'impianto il libretto d'avvertenze allegato al prodotto.
13. Non permettere ai bambini o persone di sostare nelle vicinanze del prodotto durante il funzionamento. L'applicazione non può essere utilizzata da bambini, da persone con ridotte capacità fisiche, mentali, sensoriali o da persone prive di esperienza o del necessario addestramento. Tenere inoltre fuori dalla portata dei bambini radiocomandi o qualsiasi altro datore di impulso, per evitare che l'automazione possa essere azionata involontariamente.
14. Il transito tra le ante deve avvenire solo a cancello completamente aperto.
15. Tutti gli interventi di manutenzione, riparazione o verifiche periodiche devono essere eseguiti da personale professionalmente qualificato. L'utente deve astenersi da qualsiasi tentativo di riparazione o d'intervento e deve rivolgersi esclusivamente a personale qualificato SEA. L'utente può eseguire solo la manovra manuale.
16. La lunghezza massima dei cavi di alimentazione fra centrale e motori non deve essere superiore a 10 m. Utilizzare cavi con sezione 2.5 mm². Utilizzare cablaggi con cavi in doppio isolamento (cavi con guaina) nelle immediate vicinanze dei morsetti specie per il cavo di alimentazione (230V). Inoltre è necessario mantenere adeguatamente lontani (almeno 2.5 mm in aria) i conduttori in bassa tensione (230V) dai conduttori in bassissima tensione di sicurezza (SELV) oppure utilizzare un'adeguata guaina che fornisca un isolamento supplementare avente uno spessore di almeno 1 mm.

English 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), electromgnetic 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 mm² 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.



SEA[®]

Sistemi Elettronici
di Apertura Porte e Cancelli
International registered trademark n. 804888



SEA S.p.A.
Zona industriale 64020 S.ATTO Teramo - (ITALY)
Tel. +39 0861 588341 r.a. Fax +39 0861 588344

www.seateam.com

seacom@seateam.com