



JOY la Galloccia Self Tailing
the Self Tailing Cleat
B40C12V

bonomi
earth and sea innovations



DICHIARAZIONE UE DI CONFORMITA'
Declaration EU of Conformity



IL FABBRICANTE / THE MANUFACTURER

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MI

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DICHIARA CHE IL PRODOTTO/ DECLARES THAT THE PRODUCT

UNITA' DI CONTROLLO ELETTRONICA / ELECTRONIC CONTROL BOX UNIT cod. B40C12V

Descrizione / Description

12V DC

Tensione di alimentazione / Tension supply

IP 67

Grado di protezione / Protection Grade

2025

Anno costruzione / Year of manufacture

Controllo CW/CCW del motore della galloccia modello JOY / Suitable for CW / CCW motor control of cleat model JOY

Uso previsto / Intended use

SODDISFA LE DISPOSIZIONI DELLA DIRETTIVA 2014/35/UE Compatibilità Elettromagnetica del Parlamento europeo e del Consiglio e della **DIRETTIVA 2011/65/UE (ROHS)** – Limitazione dell'uso di materiali e sostanze pericolose negli apparecchi elettrici ed elettronici

MEETS THE PROVISIONS OF THE DIRECTIVE 2014/35/UE EMC of the European Parliament and of the Council and of the **DIRECTIVE 2011/65/EU (ROHS)** – Restriction of use of Certain Substances in electrical and electronic equipment



Timbro e firma del responsabile
Stamp and signature of director

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MANUALE D'USO E MANUTENZIONE
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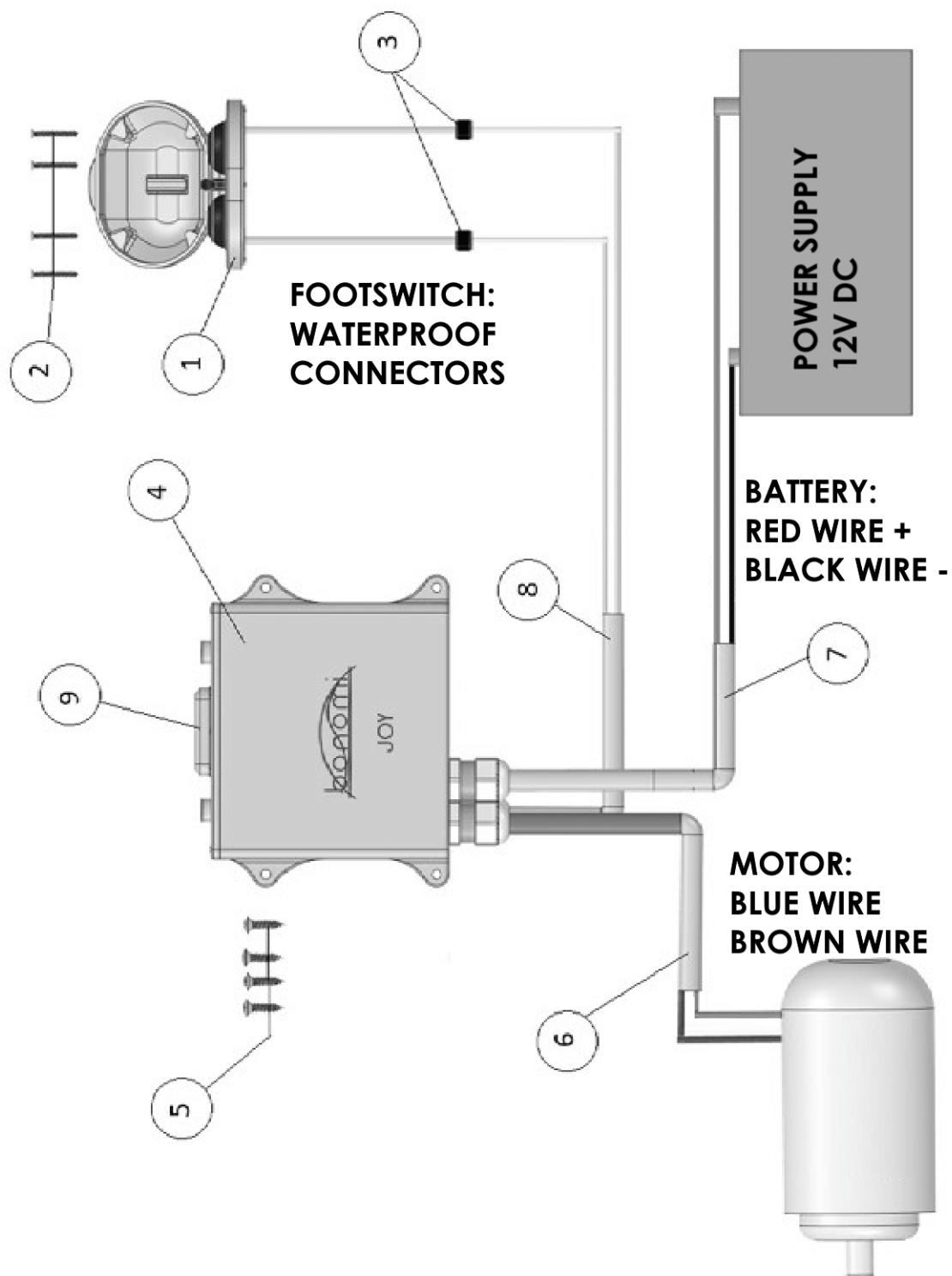
LEGGERE ATTENTAMENTE!
READ CAREFULLY!





MANUALE DI INSTALLAZIONE

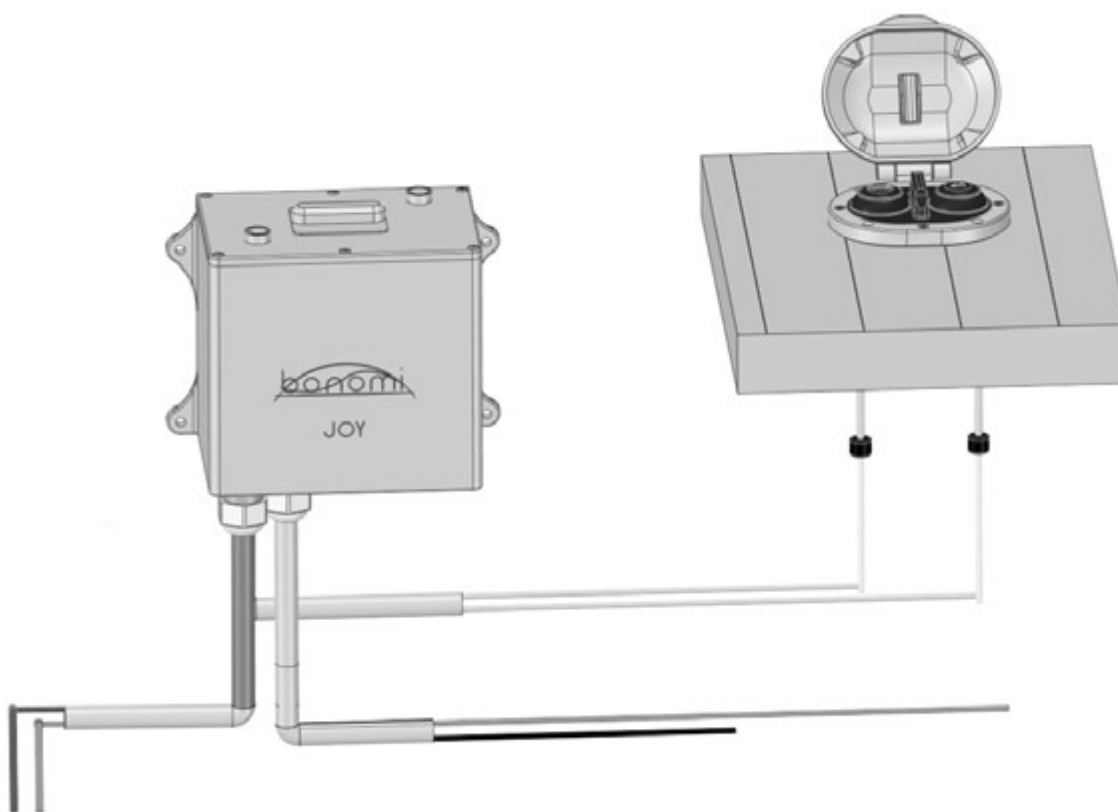
INSTALLATION MANUAL



Number	Qty	Description	Part N°
1	1	Double Foot Switch Up and Down Command	B4B12V
2	4	Screw Self Tapping M3X30	B4B12C007
3	2	IP 68 screwable connector Male+Female	B4B12V005
4	1	Electronic Control Box 40 A	B40C124V
4	1	Electronic Control Box 60 A	B60C124V
5	4	Screw Self Tapping M4, 2X16	B4B12V014
6	1	Cable 3 meter blue/brown motor connection	B40C124V
7	1	Cable 3 meter Red/Black Battery connection	B40C124V
8	1	Cable 3 meter Switch connection	B40C124V
9	1	Circuit breaker 40 A	B40C124V
9	1	Circuit breaker 60 A	B40C124V

!! ATTENZIONE - il doppio pulsante ha una resistenza di 10 milli-Amper - 10 mA
mai connettere il pulsante senza la sua control box, verrebbe danneggiato all'istante.

!! WARNING - the double switch has a strenght about 10 milli-Amper - 10 mA
you can't connetc the switch without its control box, it could be damaged immediately.



ATTREZZATURA NECESSARIA PER L'INSTALLAZIONE DI JOY

EQUIPMENT NEEDED TO INSTALL JOY

- _Trapano elettrico professionale.
Professional electric drill.
- _Cacciavite
Screw driver
- _Liqui Seal
- _Sikaflex

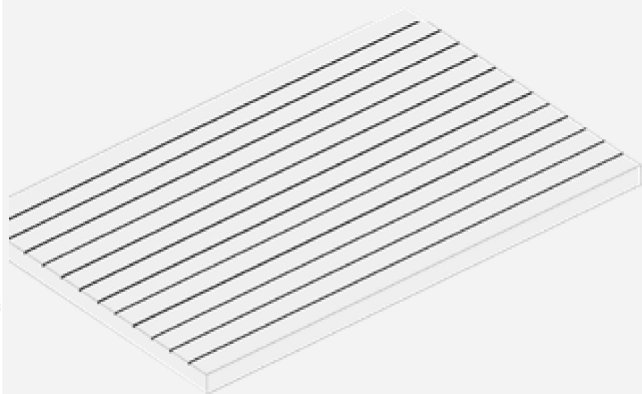
1) PREPARAZIONE E POSIZIONE

POSITION AND PREPARATION

Preparazione posizione.

Rimuovere le attrezzature vecchie e togliere tutte le asperità della zona di installazione.

Position preparation. Remove the old equipment and all the bumps in the area of installation.

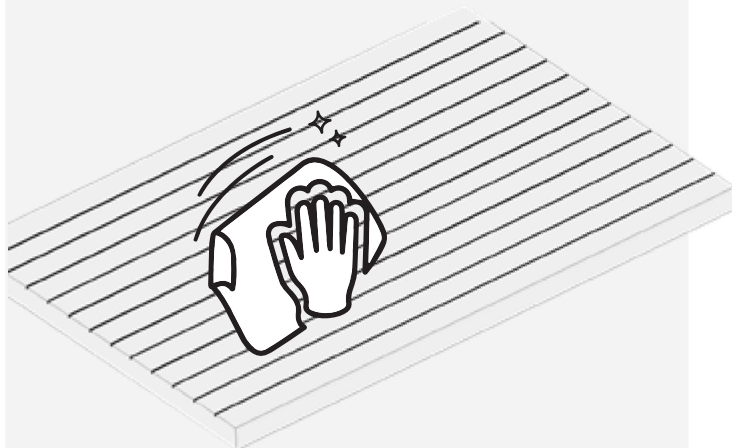


2) PULIZIA PONTE PRIMA DEL MONTAGGIO

DECK CLEARING BEFORE ASSEMBLY

Il ponte deve presentare un piano liscio senza scalini o asperità, l'installazione di JOY su un ponte non piatto compromette la sua funzionalità.

The deck must have a smooth plane without steps or haze, JOY installation on a non-flat deck compromises its functionality.





3) POSIZIONAMENTO PULSANTE DI COMANDO IN COPERTA

DOUBLE SWITCH POSITIONING ON THE DECK

Utilizzare la dima del pulsante per eseguire i fori da 13 mm per il passaggio dei cavi di comando del pulsante

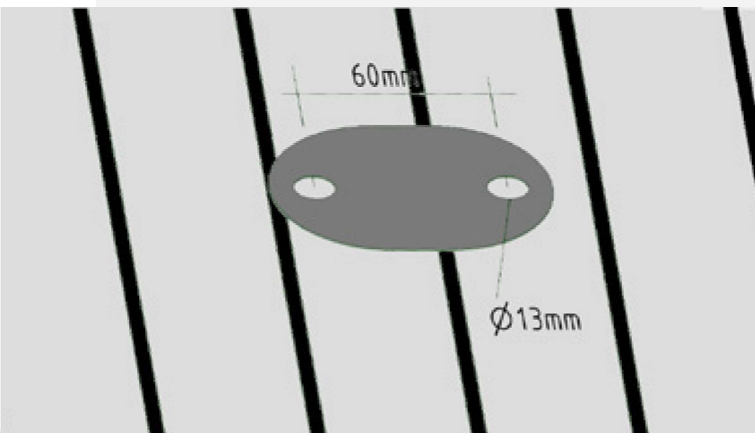
Use the template to sign the 13 mm hole that must be realized to connect the footswitch to the JOY control box

IMPORTANTE:

Il posizionamento del pulsante doppio è importante, la distanza da JOY deve essere minimo 80 cm dal suo centro.

IMPORTANT:

The positioning of the double switch is important, the minimum distance from JOY must be minimum 80 cm from JOY

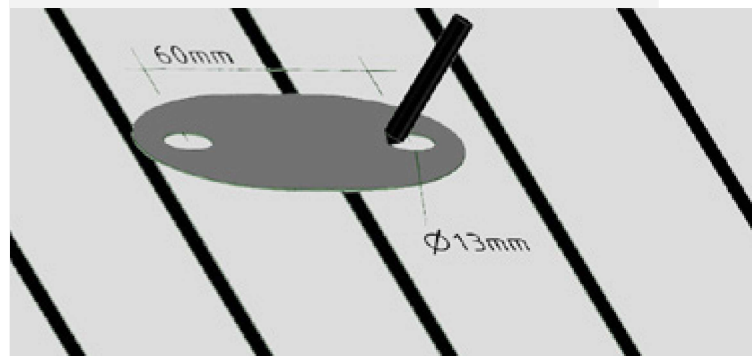


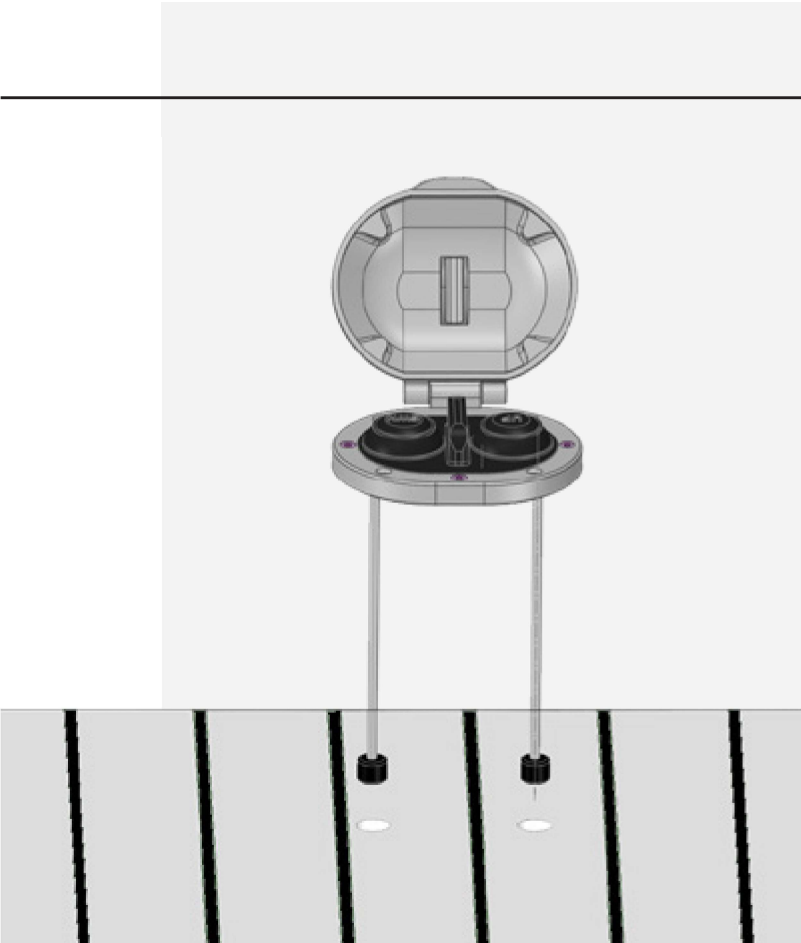
4) MARCATURA E FORI DEL PONTE

MARKING AND DRILLING THE DECK

Usando la maschera potrete segnare sul ponte la esatta posizione dei due fori da eseguire

Using a tamplate U can mark the deck in the correct position before realize the two holes



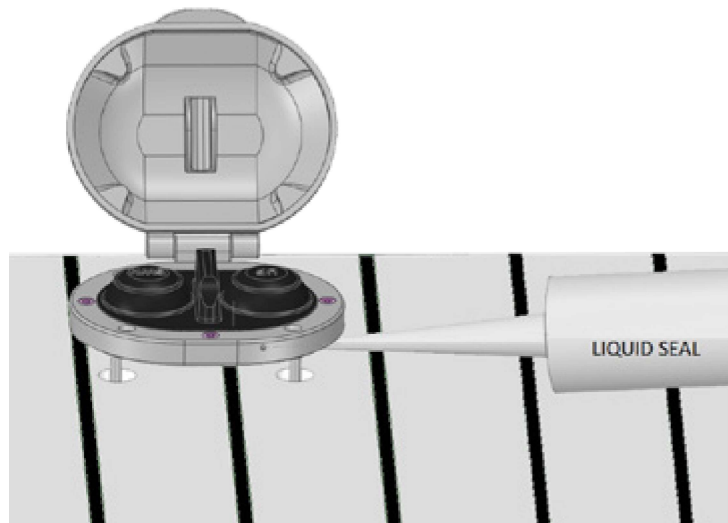


5) FISSAGGIO PULSANTE DOPPIO SUL PONTE

FIXING OF THE FOOTSWITCH TO THE DECK

A fori eseguiti infilare i due cavi con i connettori IP 68 attraverso i fori praticati
N.B. l'inserimento deve essere delicato ed avvenire senza pressioni o strappi

One a time the holes are realize insert the IP68 connector head into the holes, NOTE the wire must go through the hole clearly without any difficulties, do not push or pull the wire with any instrument to avoid the risk of damage the wire and the connector

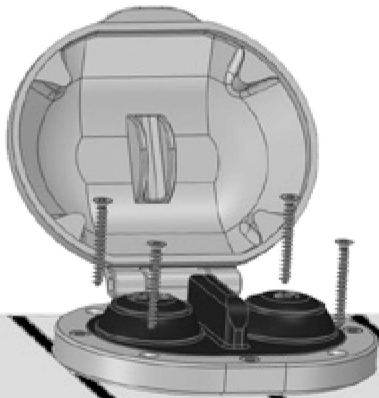


6) FISSAGGIO SUL PONTE

FIXING ON THE DECK

Prima del fissaggio a vite sul ponte posare la guarnizione liquida tra il ponte e il pulsante

Before fix on the deck insert a liquid seal between the deck and the footswitch to preserve from water and humidity

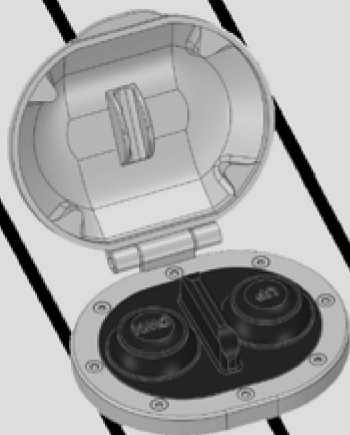


7) BLOCCAGGIO DOPPIO PULSANTE SUL PONTE

FIX THE DOUBLE SWITCH ON THE DECK

Prima dell'indurimento della guarnizione liquida bloccare il pulsante sul ponte con le 4 viti in dotazione, attenzione le viti sono lunghe ed hanno uno stelo definito, consigliamo di eseguire un preforo per evitare.

Before the curing of the liquid seal fix the double switch with the 4-screw supplied, be aware the screw is long we suggest you to made a hole before screw them in to the deck.

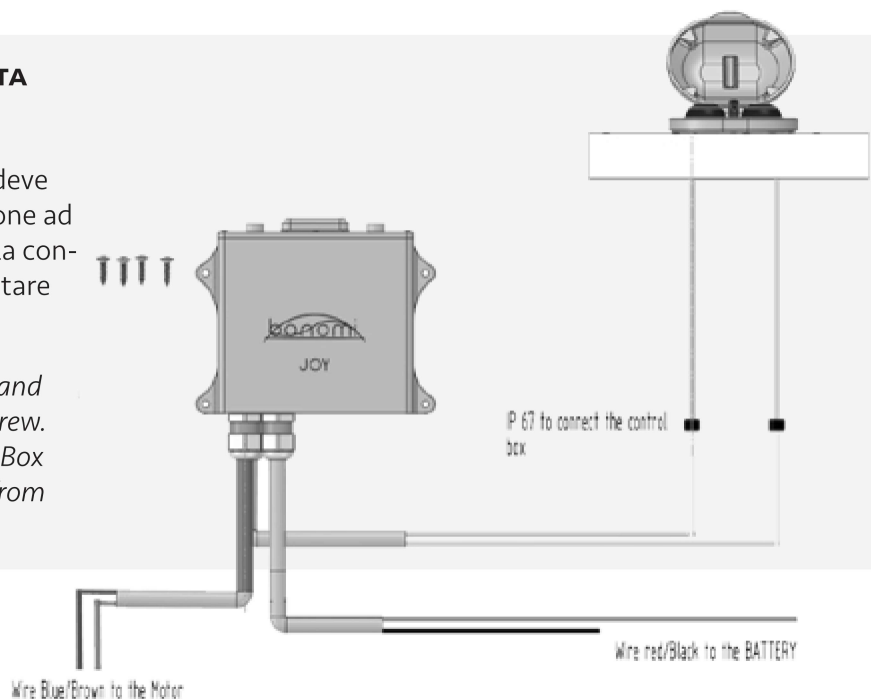


8) FISSAGGIO CONTROL BOX SOTTOCOPERTA

CONTROL BOX UNDER THE DECK

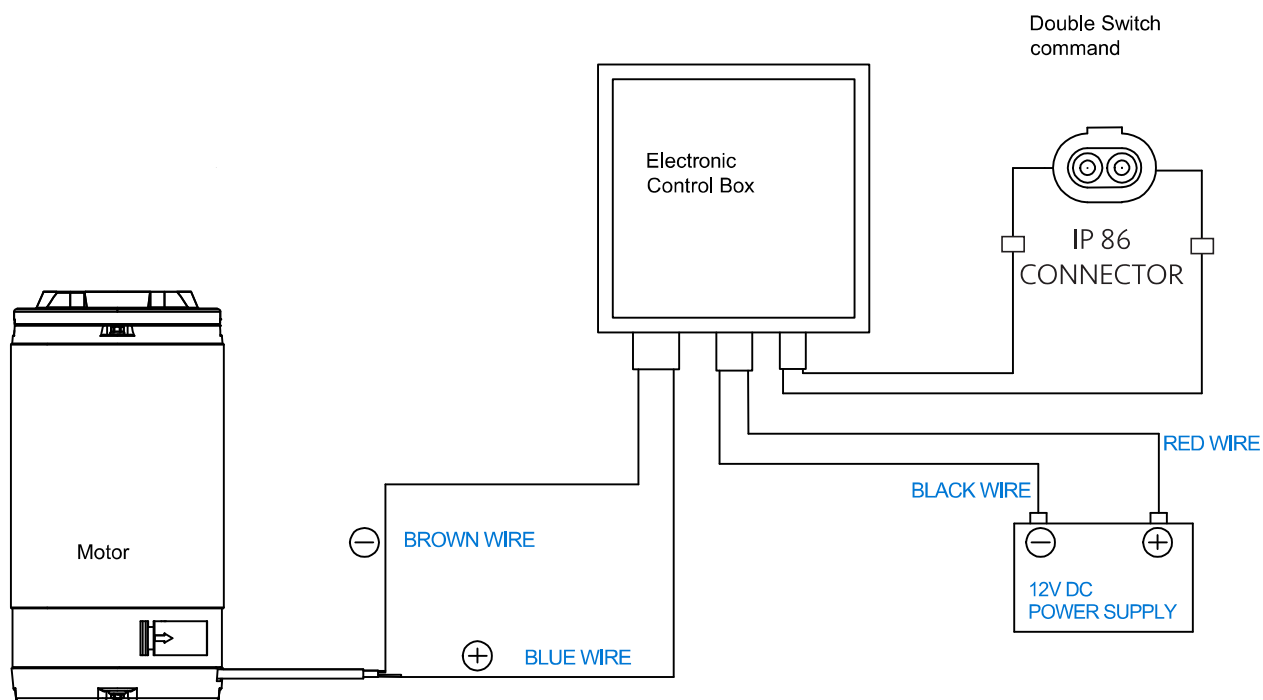
Il fissaggio della Control Box sottocoperta deve essere eseguito avvitando le 4 viti in dotazione ad una parete verticale o orizzontale. La scatola contenitrice è riempita di gel antistatico per evitare ogni danneggiamento ai componenti interni.

Fix the Control Box under the deck in a good and dry position and screw it with the supplied screw. His natural position is in vertical. The control Box is full of antistatic gel to avoid any damage from water or humidity.



COLLEGAMENTO ELETTRICO SECONDO SCHEMA

ELECTRICAL CONNECTION ACCORDING TO SCHEME



ATTENZIONE IMPORTANTE!

Durante l'ancoraggio a cima tesata e quindi a tensione massima,
non insistere con il pulsante di comando,
potreste danneggiare irreversibilmente il motore o altri apparati elettrici!



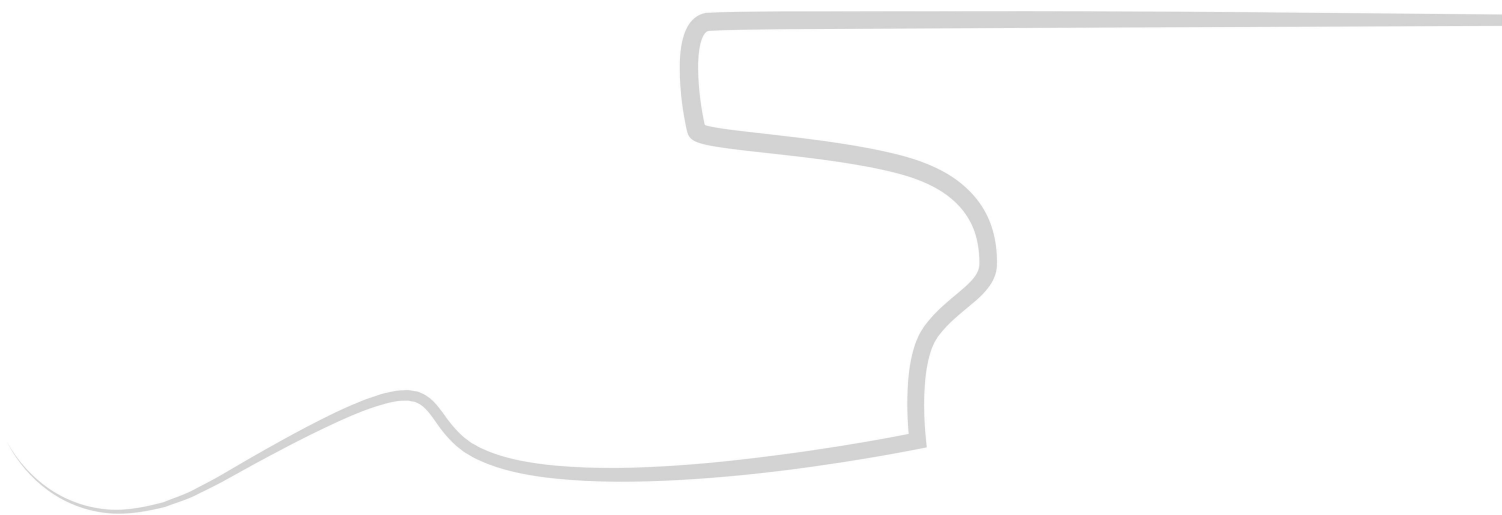
IMPORTANT WARNING

While mooring and when the line will be tensioned to the max,
do not insist switching on the electrical power,
you could damage the motor and or other electrical equipment!

ENJOY WITH JOY

Complimenti avete installato la vostra JOY correttamente e con doppio comando da ora in avanti la utilizzerete per i Vs ormeggi senza piu tirare le cime sino a farvi venire o il mal di schiena o di mani.

Congratulation you installed your JOY correctly and with double command from now on U will use it for moorings without pull the line, avoiding back and hands pain.





MANUALE D'USO E MANUTENZIONE USE AND MAINTENANCE MANUAL

Manuale d'uso e Manutenzione

IMPORTANT: Please carefully read the instruction contained in this manual before putting the unit into operation

This product has been designed and produced respecting high production standards to guarantee excellent performance, convenient use and operator safety. If used with the utmost care, this product will guarantee years of optimum performance

GENERAL SAFETY RULES

ATTENZIONE

Carefully read all safety instructions and warnings. Failure to follow the warnings and instructions may result in electric shock, fire and serious injury.

USE FOR

This Control Box is an electrical and electronical system to connect the JOY motor to an alimentation power supply like a battery. And is created to command in CW and CCW direction the JOY motor

TYPOLOGY OF USER: this product is intended for use by consumers, even non-professional maritime operators and is recommended for people of legal age.

Do not use the product for any purposes not indicated. The product should not be used for different use than the one prescribed. The product must not be used by children or by non-experts in the sector, the equipment is not designed for an ongoing function and is not a joke.

RISK !! READ CAREFULLY

Even indicating clearly what is the intended use for this product there are always unforeseeable residual risks. Depending on the type and construction of the product the following risks may occur:

- **Contact with rotating parts of the product, risk of abrasion and fractures**
- **Sudden and unexpected movement of the boat due to excessive tension, risk of falling, with potential fracture and abrasions**
- **Interweaving of cloche or different tops with rotating parts, risk of abrasion and potential fracture**
- **Hand skin contact, abrasion risk**
- **Keep this manual for future reference. The term "electrical appliance" used in the warnings refers to electrical appliances to be connected to the boat network, to the indicated voltage.**
- **Connections at higher voltages may cause short circuits with corresponding potential fire principles and braking of the electric motor**
- **Circuits with corresponding potential fire principles and braking of the electric motor**

SAFETY IN THE WORK ENVIRONMENT

- **Keep the workplace clean and well lit. The cluttered and poorly lit spaces are source of accidents.**
- **Do not use the product in potentially explosive environments such as petrol cans or gas cylinders**
- **We suggest to think well before starting with the installation of the product that is simple, but the help of a specialized technician, electrician is strongly suggested**

ELECTRICAL SAFETY

- **Prevent the body from coming into contact with grounded metal surfaces such as power cables**
- **Do not expose the electric motor to direct water source, it favors the risk of electric shock, short circuits and fires**

PERSONAL SAFETY

- **Always remain vigilant; when using an electrical appliance, always pay attention to the operations to be carried out and always use common sense.**
- **Do not use the equipment in case of fatigue, under the effect of alcohol or drugs. Never forget that a moment of distraction is enough to cause serious injury**
- **Avoiding or minimizing involuntary start-ups due to or interlocking the footswitch or malfunctions of the system, the equipment is not designed to remain in constant motion.**
- **Before starting up the equipment and during its normal use, make sure that there are no foreign bodies that can block or compromise his operational.**
- **Do not extend the arms excessively by placing your hands close to the motorized rotating pin to prevent them from becoming involuntarily entangled in the mechanism**
- **Avoid intertwining the mooring lines with clothes, bracelets, necklaces or other that can create the situation of clinging and dragging towards the rotating motorized part**
- **Avoid to put the product in contact with water or other liquid**

USE AND MAINTENANCE OF ELECTRICAL APPLIANCES

- **Do not force the appliance.**
- **Use the appliance appropriate for the work to be done. The appliance will offer better performance and will be safer when used in the system for which it has designed.**
- **Do not use the appliance if the switch does not allow it to start and stop correctly. A device that can not be switched on and off properly is dangerous and must be completely repaired.**
- **Disconnect the appliance from the power supply before making adjustments or changing spare parts. These preventive safety measures reduce the risk of accidental switching on of the appliance with consequent damage to property and especially persons.**
- **Check the status and functionality of the electric motor to avoid electric shocks**
- **Observe the working conditions and the operations to be carried out while using the appliance. To avoid dangerous situations, use the electric appliance only for the work for which it was designed**
- **Do not underestimate that the JOY has the same function as a normal known cleat but is powered by a geared motor is therefore to be considered as a machine and as such should be treated, especially in respect of potential damage to property and especially to the people**

MAINTENANCE BE CAREFUL IS AN ELECTRICAL CIRCUIT

- Any repairs must be carried out by a qualified technician.
- Maintenance requires a two year verification of the consistency of the rubber switch that can be replaced every 2 years
- Circuit Breaker must be controlled and checked every 2 years, it can be replaced.

GENERAL SAFETY REGULATIONS

- Before start and switch the battery on control with the correct instrument the correct electrical connection.
- Without forcing the product control the correct command of motor rotation and be aware there isn't any potential connection error after the installation
- Position yourself with wide legs in a comfortable position in order to perform the maneuver in safety while maintaining a firm position to keep the return top stretched to facilitate maneuvering.
- Open the safety cover of the foot switch in order to carry out the top tension operation constantly and without interrupting it.
- Pay attention during the final tension phase of the rope avoiding to bring it to a condition of excessive tension and breaking, in order to avoid damage to things and especially to people.
- BE AWARE YOU WILL COMMAND A MACHINE, CAN DAMAGE THE PEOPLE

TECHNICAL SPECIFICATION

Model:	B40C12V
Power supply voltage:	12V DC
IP Rating:	IP67
Protection Circuit Breaker:	40A
Control Box Material:	Plastic
Footswitch Material:	Stainless Steel AISI 316L

BASIC INFORMATION OF THE PRODUCT

- Plastic Box in PP or PET
- Connector to FootSwitch IP 68
- Control Box in antistatic Gel bath
- Circuit Breaker according to the motor absorption
- IP 67 Foot switch - AISI 316L—BOTTOM in silicon rubber
- Wire connection according to BS EN 50525-2-31* BS 6231 Type CK, UL Subj. 758, CSA C22.2 No. 210, BS EN/IEC 60332, BS EN

WARNING—ELECTRICAL—PRODUCT

- The Product even if is a low voltage current is an electrical element and must be handled and installed according to the electrical standard and safety specification of connection
- Connection of wire to wire must be realized with system covered with antistatic gel to avoid the future oxidation and more long and safety life and to avoid any current diversion.
- Be aware to choose the correct Electrician to install the product in according to the standard electrical connection, REMEMBER YOU ARE ON THE SEA ATMOSPHERE CONDITION

GENERAL INFORMATION

For any request, contact the technical office of Bonomi srl

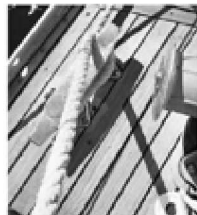
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ASK FOR JOY IT WILL BE DELIVERED IN ANY PLACE!

MANOVRE PER L'ANCORAGGIO

MANOEUVRE FOR MOORING

- 1** Posizionare la cima nel passa cima
Pozioning the line in the guide line
- 2** Verifica del senso di rotazione del Self Tail che vi indicherà il lato di posa della cima
Check the Self Tail rotation direction that will indicate you the line position
- 3** Posizionare la cima lateralmente a Joy
Place the line sideways at JOY
- 4** Dare una volta attorno ai due perni rotanti
Gave once around the two rotating shaft
- 5** Tenere in tensione la cima di ritorno
Keep the line back in tension
- 6** Azionare il pulsante di comando tenendo la cima di ritorno in tensione
Start up the control button by holding in tension the line back
- 7** Eseguire il classico nodo di Galloccia per fissare la cima a Joy
Perform the classic cleat node to fix the line to JOY
- 8** Dare una volta attorno al nodo di galloccia per sicurezza
Give once around the cleat node for security



FOR MORE INFO CONTACT US

www.bonominet.it

info@bonominet.it

GRAZIE PER LA VOSTRA FIDUCIA!

THANKS FOR YOUR TRUST!

