



YPLATE

MARINE KEYBOARDS



This installation manual has been written by the manufacturer and it is considered integrating part of this product.

The information included are intended for the expert technicians who execute the installation and the extraordinary maintenance of the product.

The expert technicians must have specific competences and particular abilities in order to carry out correctly and safely their work.

The constant observance of the information included in this manual guarantees safety of men, energy saving and a longer duration of product operative-life.

In order to avoid wrong handling and the consequent risk of accidents, it is important to read this manual carefully, keeping scrupulously to guidelines according to the supplied information.

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CONFORMITY DECLARATION

All the devices of the YACHTICA® system are designed in order to comply the directive **EN 60945 Maritime navigation and radiocommunication equipment and system.**

All the devices of the YACHTICA® system are tested and found to comply with the specification of the CE marking.



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DESCRIPTION

The YPLATE are the optimal complement to the Yachtica system and to all the others integrated system in which the control of lighting circuits is from a dry contact push buttons.

Built in a strong anodized aluminum support, available in different colours, with a label, fully customizable, they have an elegant layout that makes the installation very easy. The particular study of the shape, of the electronic and of the design, make the space needed for the installation very reduced and provide a complete adaptability.

The YPLATE can be easily installed on a 503 frame provided with magnets.

The electronic is realized in order to perfectly fit with the Yachtica I/O interface SPD808X, with which is easily connected by the two plug&play patch (the feedback one is optional). On each button is present a feedback blue led, selectable/programmable.

It is possible to install the YPLATE with others integrated systems that works with dry contact inputs, using the proper cable provided with a connecting block.

FEATURES

6 Dry contact push buttons

The YPLATE provide up to 6 dry contact, available to all the system that work with them. The wiring with Yachtica SPD 808X let it to be used very easily and quickly, with the two patch leads.

6 Feedback LEDs

Each button have a feedback LED available. With the SPD 808X they can be switched on/off using the YACHTICA® software Cabot, programming the SPD 808X module properly. If the YPLATE are used with an external system, the LEDs can be used according to the programming of that system.

Stand-alone mode

If the YPLATE is used to command not domotic systems, the feedback LEDs lighting is managed directly by the keyboard by the use of the 7 dipswitches that set the momentary switching on of them or not. By the setting of the 7th dipswitch is it possible to set the night mode in which all the six LEDs are lighted up weakly.

Magnetic fixing on 503 Yachtica frame

The YPLATE is fixed by 4 magnetics on a Yachtica 503 frame, reducing the space but with a strong hold.

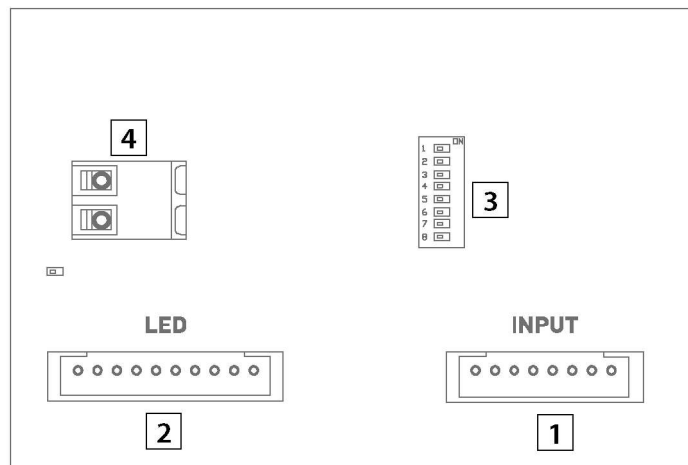
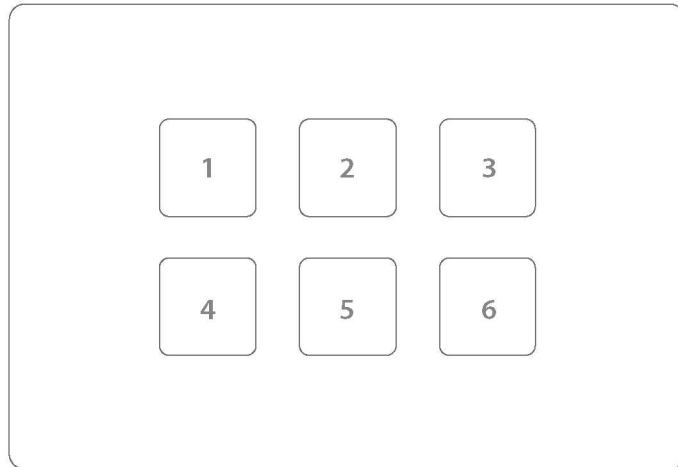
Tropicalized electronic

All the YACHTICA® modules have a tropicalization treatment in order to prevent a deterioration due to the humidity and sea mist.

TECHNICAL SPECIFICATIONS

SPECIFICATION	DETAILS
Electronic power supply	- With SPD 808X: powered directly by the module; - Without SPD 808X: 11-28V _{DC} ; - If feedback are not required is it possible to do not power the YPLATE.
Electronic requirements	0,6W (20mA @24V _{DC} , 40mA @12V _{DC})
Working temperature	+5°/+50° C (41°/122° F)
Storage temperature	-40°/+70° C (-40°/+158° F)
Humidity	15%/90% non condensing
IP Protection	IP20
Dimensions (LxAxP)	120x80x60 mm
Weight	35 g
Compliance	CE: EN60945; EN61000-4-2; EN61000-4-3; EN61000-4-4; EN61000-4-5; EN61000-4-6; EN61000-4-11; CISPR 16-1-1;

MODULE DESCRIPTION



#	CONNECTORS, LED, INDICATORS	DESCRIPTION
1	<p>INPUT</p>	<p>Buttons patch connector; Connector dry contact buttons; Red: common; Orange: button 1; Yellow: button 2; Green: button 3; Blue: button 4; Purple: button 5; Grey: button 6.</p>
2	<p>LED</p>	<p>Feedback LEDs patch connector; Connector feedback LEDs; Orange: button 1; Yellow: button 2; Green: button 3; Blue: button 4; Purple: button 5; Grey: button 6; White: All Night; Black: common; Red: +5V (external power supply, to be use if the feedback LEDs are manged externally and).</p>
3		<p>2 pins connector; Maximum cable section: 1,5mm² (12AWG); Electronic power supply electronic (if used without SPD 808X or if the use of feedback LEDs is not required); +: positive 11-28Vdc; C: negative 11-28Vdc.</p> <p>NOTE: the negative C of power supply is the COMMON of the buttons.</p>
4		<p>Selection feedback dipswitches 1-6: if ON the momentary functionality is enabled; 7 (All Night): if ON Night functionality is enabled (6 feedback LEDs are lighted up weakly).</p>
5		<p>LED green, PWR On if the YPLATE is powered.</p>

INSTALLATION

Important notes

The following information are intended for the expert technicians who execute the installation and the extraordinary maintenance of the product. The installation and the maintenance of the module must be executed by qualified technicians, respecting the Norm of the installation country.

The expert technicians must have specific competences and particular abilities in order to carry out correctly and safely their work.

The constant observance of the information included in this manual guarantees safety of men, energy saving and a longer duration of product operative-life. Keep this manual and notes included.

In order to avoid wrong handling and the consequent risk of accidents, it is important to read this manual carefully, keeping scrupulously to guidelines according to the supplied information.

Electrical tension may cause shock and severe burns. Be sure to turn off the electrical supply before carrying out any type of work on the connectors. Omission of observation of these safety measures may cause death or severe lesions to people as well as great material damages.

Before preceeding with the use of the modules, make sure that electric installation, carried out by a qualified technician in conformity with the Technical Norms, corresponding to the class of homologation of the electrical system, is provided with the devices prescribed for the protection against direct and indirect contacts and electrical surcharges.

The modules of the YACHTICA® must be exclusively used in connection with other modules and external components which are conformed to the Norms comparative to the product.

Do not use the module if, upon visual inspection, it shows deterioration of the enclosing box or if the screening wraps of the feeding cables show any wear and tear or damage.

The YACHTICA® system may not be used to carry out safety and accident prevention functions since it does not have the redundancy requirements lawfully requested.

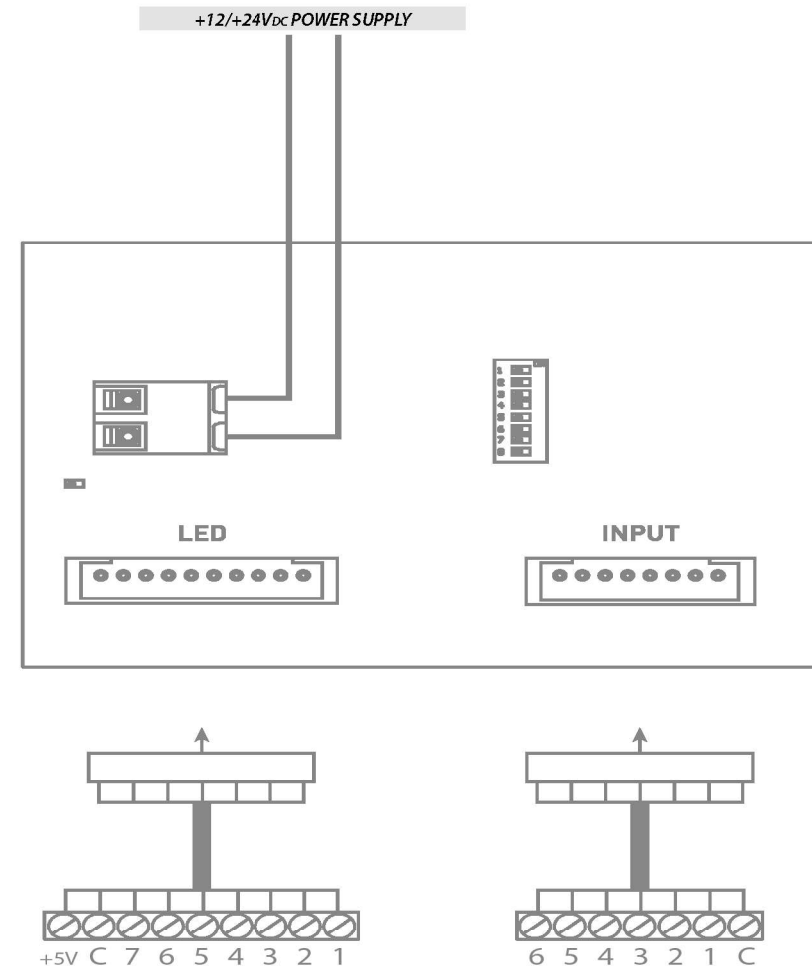
The installer must verify the correct installation and operation of the product.
It is prohibited to use the product for improper purposes or purposes different from those provided

V.Y.C. Srl shall not be held liable for any damage of any sort or kind in case of module used or installed incorrectly.

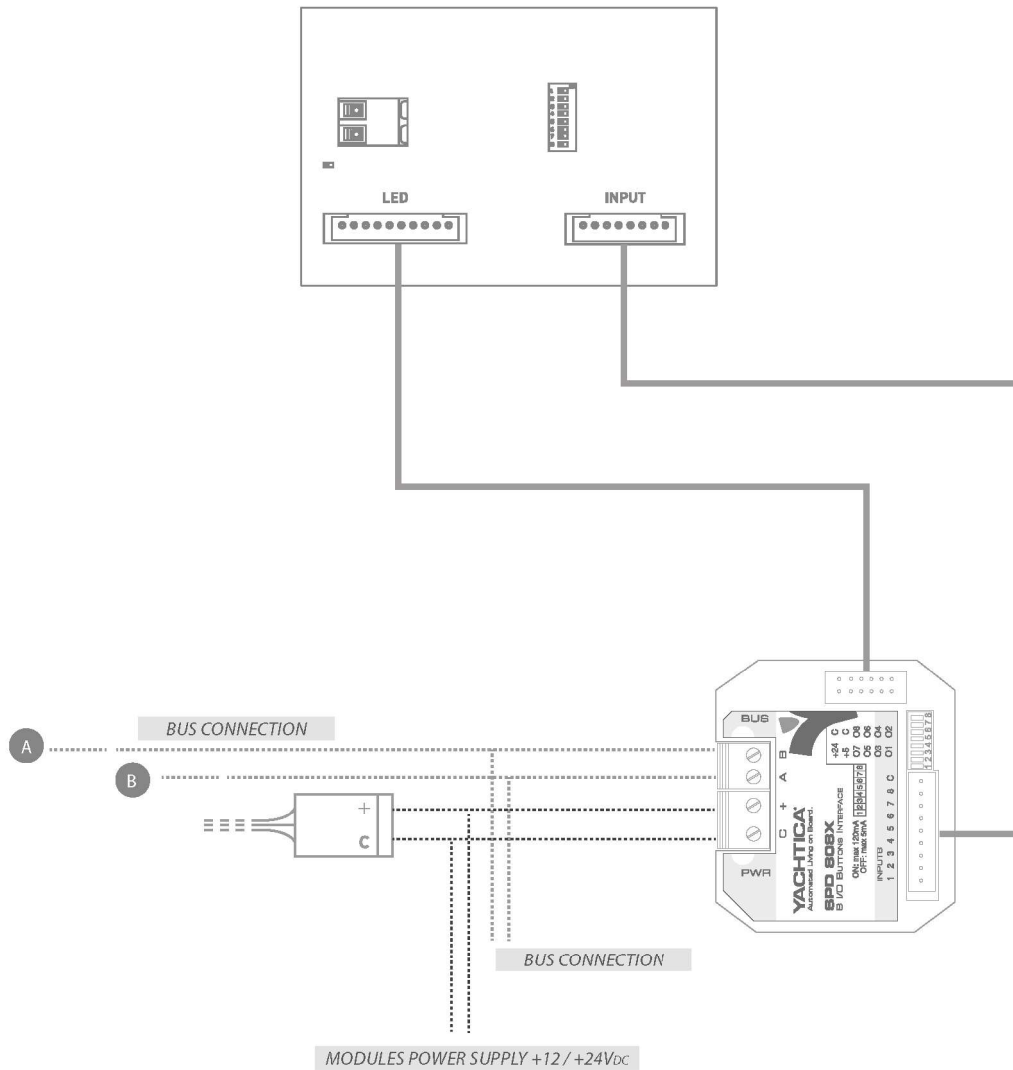
It is prohibited to tamper or to modify the product.

WIRING DIAGRAMS

Shown below different wiring diagrams that can be used when installing a YPLATE.

SCHEME 1: Stand alone wiring with feedback

SCHEME 2: Wiring with SPD 808X



PROBLEM SOLVING

PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
Buttons do not work	Input patch leads disconnected	Check that dedicated patch is properly insert into the connector.
	Wrong wiring	Check the wiring of the patch leads according to the colours.
Feedback LEDs do not work	Feedback patch leads disconnected	Check that dedicated patch is properly insert into the connector.
	Wrong wiring	Check the wiring of the patch leads according to the colours.

REPAIR AND WARRANTY POLICIES

Merchandise returns

No V.Y.C. Srl merchandise may be returned for credit, exchange or service without prior authorization from V.Y.C. Srl. To obtain warranty service for V.Y.C. Srl products, contact V.Y.C. Srl or an authorized dealer. Request for an RMA (Return Merchandise Authorization) and fill it in properly all the fields, before returning the module. Shipments arriving freight collect or without RMA number shall be subject to refusal.

Return freight charges following repair of items under warranty shall be paid by V.Y.C. Srl, shipping by standard ground carrier. In the event repairs are found to be non-warranty, return freight costs shall be paid by the purchaser. V.Y.C. Srl will provide repairing costs in case the merchandise is not under warranty.

V.Y.C. Srl limited warranty

V.Y.C. Srl warrants YACHTICA® products to be free from manufacturing defects in materials and workmanship under normal use for a period of two (2) years from the date of purchase. This warranty extends to products purchased directly from V.Y.C. Srl or an authorized YACHTICA® dealer.

V.Y.C. Srl shall not be liable to honor the terms of warranty if the product has been used in any application other than that for which it was intended or if it has been subject to misuse, accidental damage, modification or improper installation procedures

Furthermore, this warranty does not cover any products that has had the warranty void label altered, defaced or removed.

V.Y.C. Srl shall, at its option, repair or replace any product found defective, without charge for parts or labor. Repaired or replaced equipment and parts supplied under this warranty shall be covered only by the unexpired portion of the warranty.

Except as expressly set forth in this warranty, V.Y.C. Srl makes no other warranties, expressed or implied, nor authorizes any other party to offer any warranty, including any implied warranties of merchantability or fitness for a particular purpose. Any implied warranties that may be imposed by law are limited to the terms of this limited warranty.

This warranty statement supersedes all previous warranties.



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