

## ANCHOR CHAIN COUNTER DISPLAY PANEL

**CODICE**

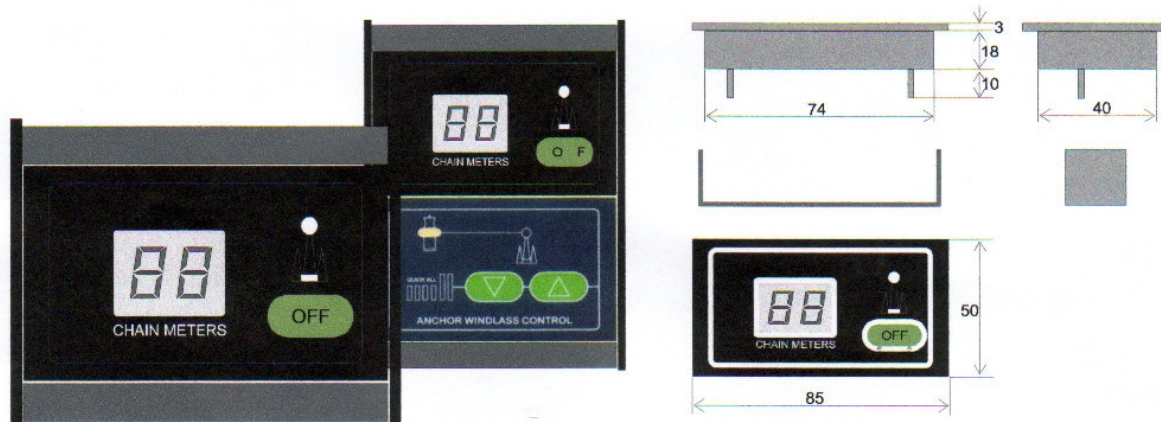
3.82.012

IT IS VERY EASY TO INSTALL ON ANY TYPE OF WINDLASS.

THE EASIEST AND SAFEST WAY TO INSTALL AN ANCHOR CHAIN COUNTER.

THE SENSOR CANNOT BE DAMAGED, AS IT IS APPLIED ON THE MOTOR AND NOT NEAR THE CHAIN OR THE ROTATING PARTS OF THE WINDLASS.

ONE OR MORE DISPLAY PANELS CAN BE CONNECTED TO THE SAME SENSOR



WHEN THE ANCHOR CHAIN IS IN ACTION, THE DISPLAY (S) AUTOMATICALLY STARTS TO WORK AND TO COUNT THE METERS OF CHAIN DESCENDING OR ASCENDING.

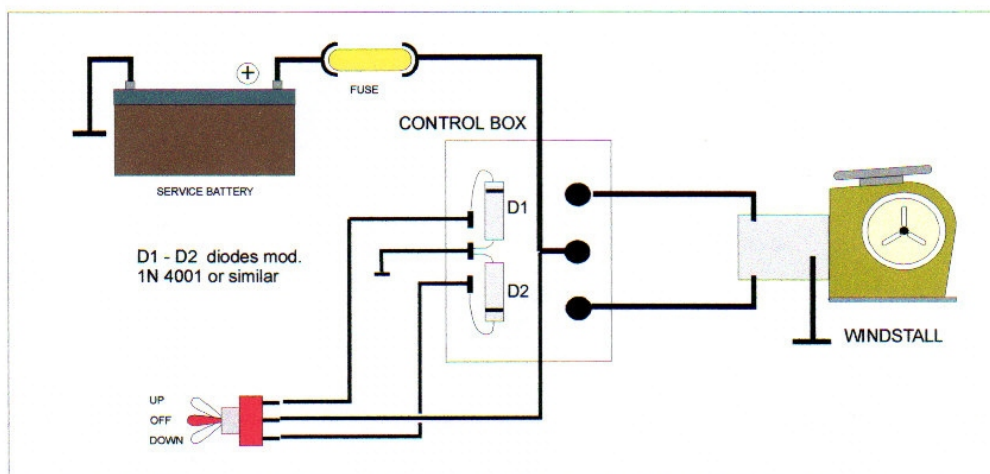
WHEN THE OPERATION ENDS, JUST PUSH ON THE "OFF" BUTTON TO RESET AND TURN OFF THE DISPLAY, WITH THE SIMULTANEOUS SWITCHING OFF OF ALL DISPLAY PANELS OF THE SYSTEM.

- THE PANEL IS ALSO COMPATIBLE WITH THE REMOTE PANELS OF THE 3.82 SERIES TO CREATE GOOD-LOOKING AND WELL-DESIGNED INSTRUMENT PANEL CONTROLS AND DISPLAYS.
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- ESPECIALLY DESIGNED FOR MARINE USE, IT IS PERFECTLY WATER-PROOF AND CAN EVEN BE INSTALLED EXTERNALLY.
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- BACKLIGHTED DISPLAYS AND BUTTONS.
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- 12 OR 24 V POWER SUPPLY.
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- PROTECTED AGAINST REVERSE POLARITY AND SPOT JAMMINGS.
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- POSSIBILITY TO DESIGN SYSTEMS WITH MORE PARALLEL PANELS.
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- EASY AND SIMPLE CALIBRATION DURING THE INSTALLATION WITH A SENSOR COMPATIBLE WITH ANY TYPE OF MOTOR.
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- THE PANEL IS FIXED TO A FLASK AS ANY OTHER PANEL INSTRUMENT.
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- THE SENSOR IS FIXED TO THE WINDLASS MOTOR THROUGH A HOSE CLAMP.
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- CREATED IN CONFORMITY WITH THE UNI DIN CEI STANDARDS. CORRESPONDING TO THE CE STANDARDS.

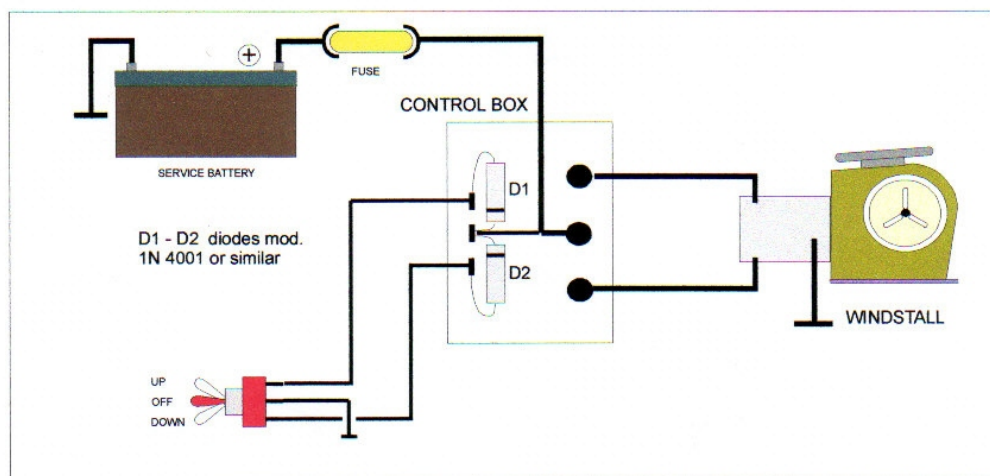
- To install more panels (max 4) to the master panel, as illustrated in the Figure above, just provide a parallel connection to the supply wires - "red if 24V" or "orange if 12V", the light blue of the negative, the yellow ones for the start control, the grey ones for the serial data transmission.
- Adjustment of the master panel is sufficient, as the other displays will automatically copy and repeat the same master data; moreover, by pushing the "OFF" button of any panel, the count is reset and all panel displays are switched off.



If the control boxes are not already equipped with blankers, the aforementioned overvoltage may be removed and eliminated by installing two antiparallel diodes on the relais coils, as illustrated below.



P Circuit - The central wire of the main switch is connected to the positive pole. The blanking of the overvoltage derives from the connection of the two diodes D1 and D2 to the control box as in the Figure above, i.e. with the reference lines (cathode) towards the lateral fastons.



**N Circuit** - The central wire of the main switch is connected to the negative pole. The blanking of the overvoltage derives from the connection of the two diodes D1 and D2 to the control box as in the Figure above, i.e. with the reference lines (cathode) towards the central fastons.

BLANKING CIRCUITS OF THE OVER VOLTAGE GENERATED BY THE CONTROL BOXES OF THE ANCHOR WINDLASSES.



## ANCHOR CHAIN COUNTER DISPLAY PANEL

### TECHNICAL SPECIFICATIONS

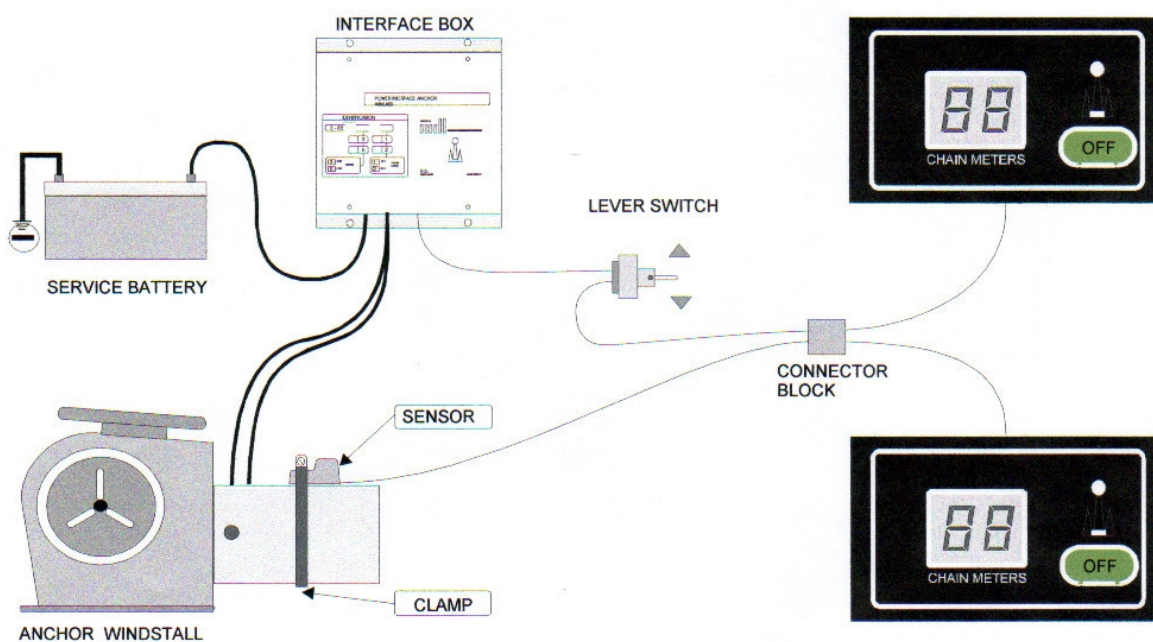
One or more display panels (i.e. dashboard and fly) can be installed. Each time the windstall is activated, the anchor chain counter starts to work and to count the chain meters automatically.

To facilitate this operation there must be a connection with the switches or the push button controls of the anchor winch. These controls can send a positive or negative voltage to the windlass control box, depending on the type of system installed.

For the white and yellow wires linked to the controls "Down" and "Up" of the windstall, it does not matter if there is a 12 or a 24V voltage, or if the polarity is positive or negative, as the adjustment of these different conditions is automatic.

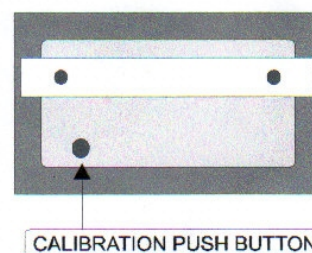
## TECHNICAL SPECIFICATIONS

MODEL CODE 3.82	012
Max measurable chain length	99 mt
Display resolution	1 mt
Power supply voltage	12 or 24 V
Display circuit input	25 mA
Internal circuit protected against reverse polarity	Yes
Control pulses for positive or negative start-up	Yes
Lighting input	80-120 mA
Possibility of installing a sensor with more panels	Yes
Automatic start with the descending windstall activated	Yes
Calibration and self-correction due to the push button on	Yes



MAX VERSATILITY AND EASY TO USE  
VERY SIMPLE INSTALLATION

For the mounting, just clamp the sensor on the motor. No electric connection on the windstall is needed. Unfold the cables, link the few connections requested and follow the instructions for the calibration.






When the button is released, see Figure 7 for the display visualization.



## ANCHOR CHAIN COUNTER DISPLAY PANEL CALIBRATION PROCEDURE AT THE INITIAL INSTALLATION


## DESCENDING CALIBRATION



PUSH THE BUTTON

CHAIN METERS

OFF



PUSH THE BUTTON



CHAIN METERS

OFF

## END CALIBRATION

CHAIN METERS

OFF


OFF AND RESET

## OFF AND RESET

CHAIN METERS

OFF

READY



PUSH THE BUTTON



If the calibration is not correct and you wish to cancel it, or if the master panel is transformed into a repeater, just **PUSH THE CALIBRATION BUTTON FOR AT LEAST FIVE SECONDS**. The display confirms the operation by visualising two horizontal hyphens as at the beginning of the procedure.