

CODE

3.82.013

VISUALIZATION AND INDICATION SYSTEM OF THE FLAPS WORKING ANGLE

The system of visualization of the flap position can be realized using one or more display panel 3.82.013 and a couple of sensor connects between of them like under indicated.

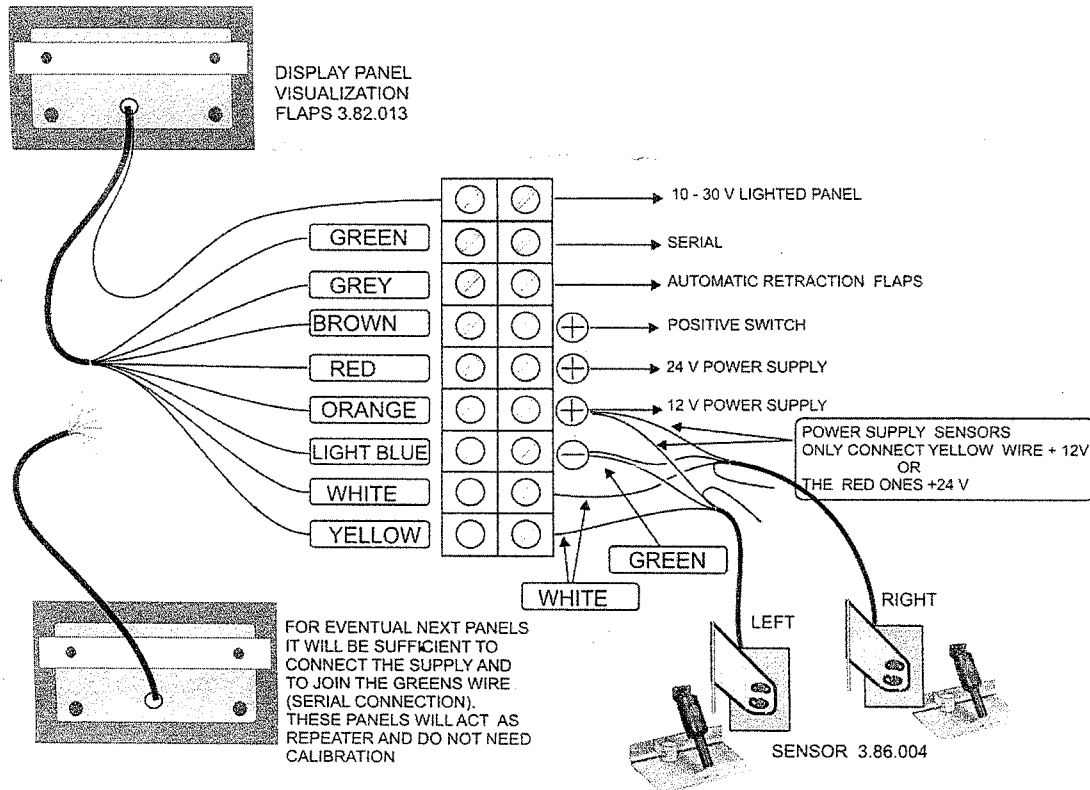
The power supply of the panels can be 12 or 24 V For the sensors is necessary use the yellow wire for 12V or the red ones for 24V

The exit for the automatic retraction of the flaps to the shut off the engine must be managed from one appropriate central mod. 3.83.011 to which they will be it connects also the controls of the movement of the flaps.

In lack of the appropriated central, the connections for the retraction (grey wire) and the positive switch (brown wire) they are not uses.

TECHNICAL SPECIFICATIONS	MODEL
DISPLAY PANEL	3.82.013
Power supply voltage	12 o 24 V
Circuit input	7 mA
Connection with sensors mod..	3.86.004
Max number of panels with the same couple of sensors	5
Internal circuit protected against reverse polarity	Yes
Lighted display	Yes
Exit for automatic retraction of the flaps to the shut off the engine	Yes
Automatic calibration procedure at the first installation	Yes
The panel s is fixed to a bracket as any other panel instrument	Yes
Sensors with bracket that allow to the adaptation to all assembly configurations	Yes

EXAMPLE OF STANDARD CONNECTIONS



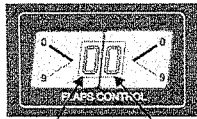
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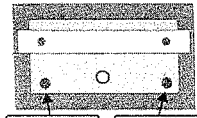
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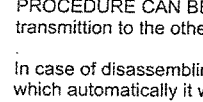
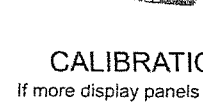
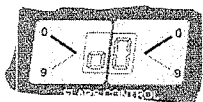
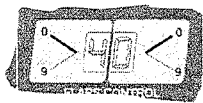
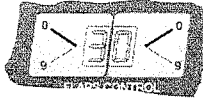
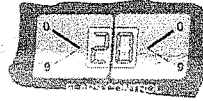
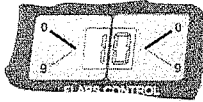
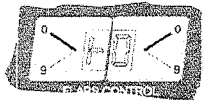
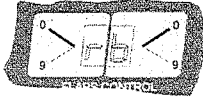
CALIBRATION PROCEDURE AT THE FIRST INSTALLATION



DISPLAY FLAP LEFT DISPLAY FLAP RIGHT



CALIBRATION PUSH-BUTTON RIGHT CALIBRATION PUSH-BUTTON LEFT



On every boat, the angle of race of the flaps can be various, therefore at the first installation is necessary to carry out a calibration that it will be permanently stored even in the event of a cut in the power supply; it will be however possible to execute a new calibration repeating the indicated procedure as follows:

ATTENTION: before beginning the calibration to verify that the sliding of the flaps is fluid and continuous without jamming or hops; these last one prevent one corrected calibration..

On the back of the panel there are two push-buttons in order to open the calibration procedure of the relative right and left flap that they must calibrated singulary proceeding as follow indicated.

To every start-up the display panels indicates for two seconds "rb" continuation then from a number

TO RETRACT COMPLETELY THE FLAP BEFORE BEGINNING THE CALIBRATION, press the relative push-button to the calibration flap (example left flap). Release the push-button when the letter "t" appears on the display relative.

Of continuation and automatically after the letter "t" appears "0" indicating the beginning of the procedure

To lower **WITHOUT INTERRUPTIONS** flap left until to all down
The display panels visualize the number "1" to the start of the flap

To run bottom of the flap the display panels visualize the number "2"
To retract **WITHOUT INTERRUPTIONS** the left flap until to all on.

To all on the display panels visualize the number "3"
To still lower the flap **WITHOUT INTERRUPTIONS OF RACE** until to all down.

Immediately after the start the display panels visualize the number "4"
To all the down the calibration of this flap is completed
Retract the flap and control the exactly sequence of the number from 9 to 0
Follow the same procedures for calibrate the right flap

A small overcoming of the calibrated race ago to visualize on the display panel the small letter "o" (overflow)

A letter "E" indicates a general error; it appears when are present factors regarding not corrected operation, example: connections wrongs, bad mechanical installation on the sensor, jammings or interruptions during the gauging race, breakdowns or damagings to the electronic circuits of the apparatus.

CALIBRATION MORE PANELS DISPLAY ON THE SAME BOAT

If more display panels 3.83.013 are installed onboard (max. 5) example, dashboard, fly, etc. **THE CALIBRATION PROCEDURE CAN BE MADE ON ANY OF THEM.** This panel will then act as the master panel and perform a serial data transmission to the other panels, which therefore become its repeaters and do not need any other programming

In case of disassembling t of the master panel the calibration will be carried out on a any panel remained repeater onboard which automatically it will became the new one master panel

For cancel the data contained in the memory of a panel or if the master panel is transformed into a repeater, it is sufficient (with the apparatus connected to the supply) to push the both calibration buttons for at last 3 seconds.

