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VISUALIZATION AND INDICATION SYSTEM OF THE FLAPS WORKING ANGLE

CODE

3.86.004

WORKING PRINCIPLE

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The sensor applied over the surface of the flaps, for a electro-inductive principle, "feel" and transform in electric signal the distance between if same and the metal of the blade of the flap. This signal is sended to one or more display panels which eleborating and digitizing the signal, numerically visualize the exact angle of position of the flaps expressed in percentage of race total with values from "0" to "9" for every blade.The sensor doesn't work with plastic blade or other not metallic materials. In these cases a metal plate is necessary to apply on the blade under the sensor

CONNECTION:
RED = 24VDC
YELLOW = 12 VDC
GREEN = GROUND
WHITE = SIGNAL

INSTRUCTION FOR INSTALLATION

Retract the flaps.

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To loosen the nut of the screw that joint the sensor to the bracket.

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To fix in the more convenient way the sensor through the appropriate BRACKET HAVING CURE THAT THE BASE OF THE SENSOR SUPPORTS PERFECTLY TO THE SURFACE OF THE FLAP

To avoid for how much possible thickness between the hull and the sensor. The better operation is obtained with the sensor mounted more close possible to the axis of the hinge of the flaps.

To block to all the screws controlling that the base of the sensor remains always adherent to the surface of the flap.

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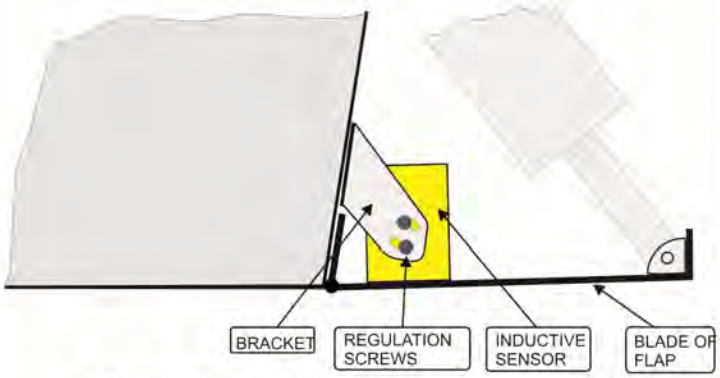
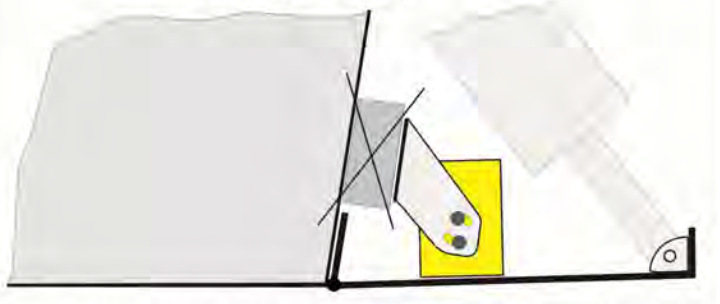
In case of flap with stiffening rib, therefore without one smooth surface on which supporting the sensor, it will be necessary to apply to the flap a metal plate (alluminium, stainless steel or other) of wichever thickness with minimal dimension of 100 x 80 mm on which centering and supporting the sensor

CORRECT ASSEMBLY



To retract flap to make to join the sensor of the surface of the blade

WRONG ASSEMBLY



To avoid to interpose thickness between the hull and the sensor. For a good operation the sensor it must be mounted more close possible to the axis of the hinge of the flaps