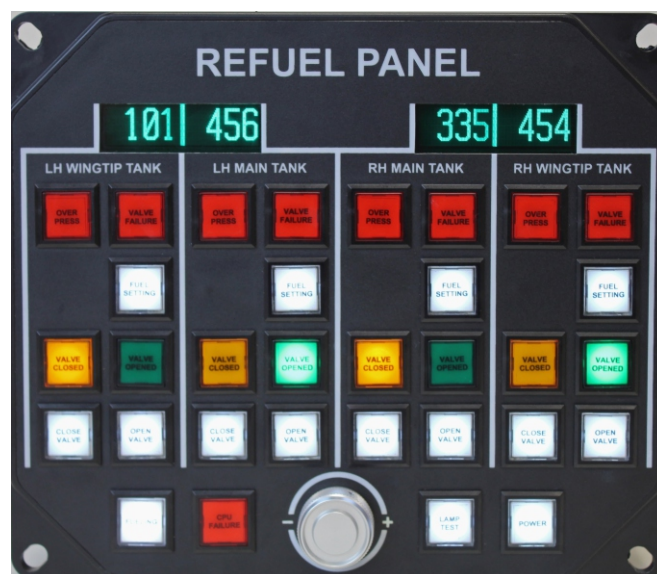


Refuel Control Panel

The unit is used to control central (pressure) refuelling of airplane tanks. It allows setting of the required amount of fuel for filling into individual tanks, provides information about the current state of refuelling and controls its progress. It communicates with the fuel gauge electronics block or directly with a parent computer (CMC, EFIS, etc.).

- Information about the refuelled amount with an accuracy of up to $\pm 2\%$
- Software meets the RTCA DO-178 and hardware RTCA DO-160
- Any choice of tanks and fuel quantities for refuelling
- Refuelling check and automatic stop
- Panel configurable using a regular PC
- Communication line RS 422, RS 485 or ARINC 429

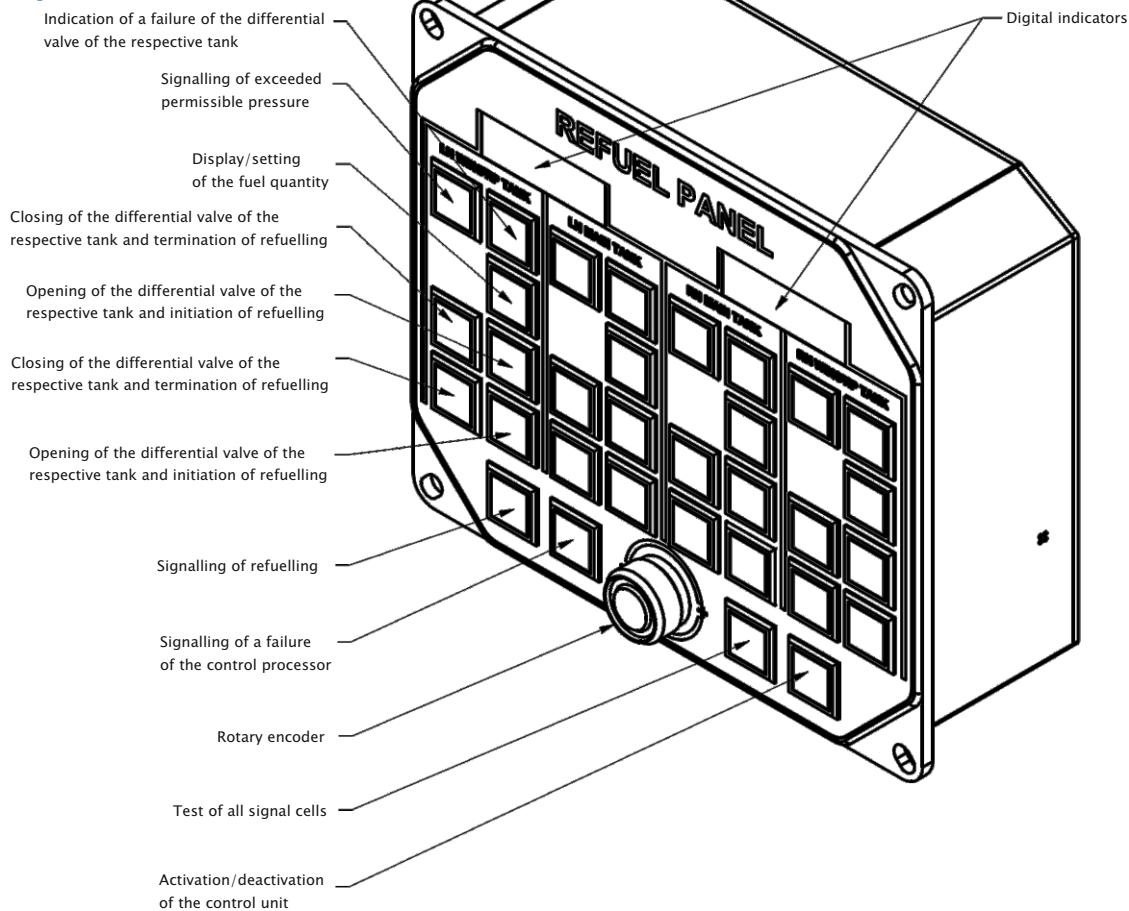


Description

The control unit is used to control pressure filling of fuel tanks. It allows simultaneous refuelling of one, multiple or all tanks and independent setting of the refuel value for each of the tanks.

The control panel processes information about the currently filled fuel from the fuel gauge electronics block, feedback from controlled valves and other signals such as overpressure, signal from safety floats, information from the maximum level transmitter, etc. Based on this information, it controls the refuelling process and thus allows refuelling of the precise amount into selected airplane tanks.

Description



Technical parameters

Supply voltage	22 VDC – 32.2 VDC, emergency 18 VDC
Temperature range	-55 °C to 70 °C
Dimensions	250 mm × 215 mm × 82 mm
Certification	RTCA/DO-160G

Application

The refuelling system is supplied for airplane L 410NG.