

De-icing Systems

The systems control pneumatic airframe de-icing and indicate possible faults and anomalies of the de-icing process.

- Proven method for removing the icing on leading wing edges
- Hardware meets the RTCA DO-160
- Automatic control
- High reliability
- Possible modification of technical parameters depending on the airplane type
- Intuitive control



Control unit

The control unit of pneumatic airframe de-icing allows controlling of the pneumatic airframe de-icing system and indication of failures of the de-icing system.

The control unit contains circuits that check if the required pressure was reached in the de-icing sections.

Description of the function

The control unit is used to control and monitor the activity of the pneumatic airframe de-icing system. It controls solenoid valves and processes signals from pressure switches.

It allows automatic or manual control of the de-icing system. The timer electronics generates start pulses for solenoid valves. The signalling electronics evaluates signals from pressure switches and monitors whether the required pressure was reached in individual sections.



Technical parameters

Supply voltage	22 VDC – 32.2 VDC, emergency 18 VDC
Temperature range	-55 °C to 70 °C
Dimensions	156 mm × 58 mm × 75 mm
Weight	0.65 kg
Certification	RTCA/DO-160G

Application

De-icing control systems are supplied for airplanes L 410 UVP-E, L 410 NG and EV-55.



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