

Product name:
Greywater Chamber Controller

Description:

The Greywater Chamber Controller Rev.B (GCC) monitors the filling of the Greywater Chamber. The GCC requests vacuum to be generated by the Waste Water System if it detects a full chamber. It opens the Flush Valve until the chamber is detected empty. Greywater producing locations like showers, bidets, handwash etc. will be equipped with the Greywater Chamber in order to reduce noise and continuous air flow into the waste system. The GCC is designed to be used within aircraft cabin and to meet RTCA DO-160D.

Performance and Functions:

- Level and Drain inputs monitoring
- Drain sequence control
- Local drain control
- Flush Sequence control

Special Functions

- Power up tests
- Operational monitoring
- Component status evaluation
- System communication

List of Equipment:

Name	Part-No.
Greywater Chamber Controller Rev.B	9613300-6501REVB

General Layout:

Aluminium housing with interfaces for Power Supply / RS485 System Data Bus / Vacuum Generator Control / Flush Valve / Level Sensors (high / low) / Pin Programming / Drain Inputs. Four Drillings in the housing bottom plate enable mounting of the GCC to the structure

Power Supply:

Voltage: 28 VDC
Power consumption: 200 mA I_{max}

Dimensions:

185 x 67 x 71 mm

Weight:

Approx. 0,8 kg

Connectors

System / Power Connector P1: MS3114 H 14-15P or equivalent
Valve / Sensor Connector P2: 48-13H 12-12SM-116 or equivalent

Computing Considerations

Mikrocontroller: Siemens 80C535 (min. 11 Mhz) or equivalent
Memory requirements: EPROM min. 512 kByte
RAM min 2kByte
EEPROM 0,5 kByte (I²C type)

