
Fan Failure Warning System - Specifications

Manufactures Part Numbers: (12volt) LS03-02071
(24volt) LS03-02072

Current Revision: Rev-0

Approval: **DO-160G Tested, pending**

Fan Failure Warning Module, Part Number: LS03-02070

1. Input Voltage: 12 Vdc and 24 Vdc aircraft systems.
2. Maximum System Voltage Rating: 50 Vdc
3. TACH: 5v TTL output from FAN to FFW system
4. 15 pin DB connector, Male
5. Size Mechanical: 2.13 x 1.60 x .935
6. Mounting Bracket: 6-32 screws x 4
7. Weight: 66gm
8. Label: Markings - TOP Side

Connector kit: Part Number LS03-03020

1. 15pin DB Female
2. Contact pins 20 awg.
3. Potentiometer: 500k ohms
4. Hood connector 15 pin D-sub
5. Knob: Alum black

LED Indicator: Dual Color Green/ RED Part Number LS03-07109

1. TACH output = Green LED
2. NO TACH Output = RED LED
3. Green LED – 525nm
4. Red LED – 660nm
5. LED Vdc: 14v-28v
6. LED Indicator body – Aluminum Mil STD
7. LENS: clear
8. Wire Mil Std (3) - 22 awg

Cyclone-21 Fan, 3-wire

1. Part Number CRB 122253 Fan 24 Vdc, 21 CFM
 - 1a. add 2nd p/n: CRB TACH 3rd wire
2. Part Number CRB 6457 Fan 12 Vdc, 21 CFM
 - 2a. add 2nd p/n: CRB TACH 3rd wire
3. 21 CFM
4. PMA approved

Cyclone-21 Fan, 3-wire (cont.)

5. Size: 3 x 3 x 1 inch
6. Conformal Coating
7. Silicone Sealed
8. LR protection
9. OT, OC protection
10. 80,000 hours operation at 50c

Recommended Installation Tools

1. Crimp Tool: TE Connectivity (M22520/201) p/n: 601966-1
2. Crimp Positioner: TE Connectivity (Mil-109) p/n: 601966-5
3. Insert / Extractor Tool: TE Connectivity p/n: 91067-2

DO160D TESTING:

1. Operating Temp: -55C to +85C
2. Altitude: 35,000 ft.
3. Humidity: 5% to 95% RH
4. Vibration: Section 8, Category S, Test Curve M.
5. Shock: 3 axis, 10g
6. Humidity: 95%
7. EMI
8. Audio Susceptibility