

NOTES: THE SPECIFICATION AND REQUIREMENTS BELOW MEET AND EXCEED THE PERFORMANCE, RELIABILITY, AND SERVICE LIFE OF THE ORIGINAL SWITCH. THE DESCRIBED DRAWING BELOW HAS BEEN CLASSIFIED BY IDENTICALITY.

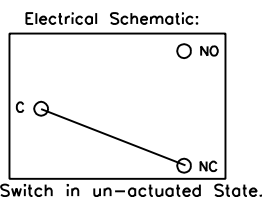
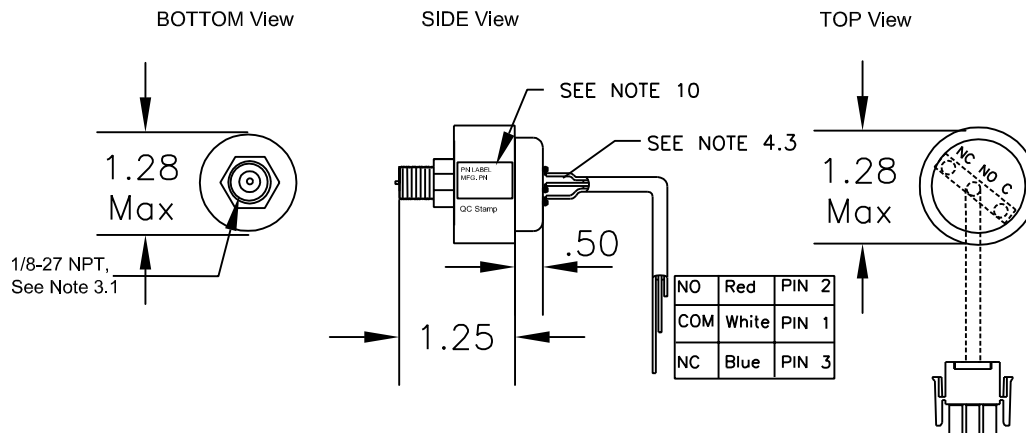
SPECIFICATION AND REQUIREMENTS.

- SERVICE: Application: Cabin Altitude Switch
- DESIGN: Electro-mech DESIGN
- BODY: Alum, NPT-Brass
 - MOUNTING: NPT 1/8-27 MALE
 - WEIGHT: 4.0 OZ. MAX.
- ELECTRICAL -(SPDT) NO CIRCUIT
wht/red circuit open at sea level pressure.
 - 28-VDC.
 - 2 AMP RESISTIVE.
 - ELECTRICAL-TERMINAL: (3P), solder
Terminals, Heatshrink, Harness (6in), Jacket stripped 2in, Wire 1/4in, Amp. 350766-1
- REQUIREMENT OF SYSTEM:
 - Switch Actuates- 9,500 (ft) +/-500 ft
 - Switch Deactuates- 7,500 (ft) min.
 - Adjustability: N/A
- TEMPERATURE: -50F(-46C) TO +131F(+55C).
- SERVICE LIFE: 2500 CYCLES REQ'D.
- PROOF PRESSURE: 10.0 PSIG
- CYCLES PER FLIGHT: (1)
- MARKINGS: See Figure A
- MTBF: 50,000 hrs

REVISION BLOCK					
REV	ECD #	ZONE	DESCRIPTION OF CHANGE(S)	DATE	APPROVED
Rev-0			INITIAL RELEASE	8-12-11	LD/JRM

Figure (A).
Marking Information - fuel, chem resistant.

Altitude Switch, Lone Star Aviation, Inc.
LS03-02021_01, Rev-0, SN _____
Act: 9,500 +/- 500 ft Deact: 7,500 ft



NOTE 4.3:
Wire, 20 awg. harness 6.0 " Connector Type: AMP 350766-1
stripped: 1/4 inch, Pin Type: AMP 350690-1
mil spec: M16878/4BGE
or Equiv

Pressure Switch Settings		Reference Block
NO SWITCH: INCR Altitude:	9,500 +/- 500 (ft) (actuates) by	PART NUMBERS LS03-02021_01
NO SWITCH: DECR -Altitude	7,500 (ft) min. (deactuates) by	
Dead Band:	(1,000 ft) Typical	Drawing: Rev-0
FACTORY SET:	YES	
TEST REPORT RTCA/DO-160E		See Test Report: 6-21-11 Drawing LSPE-03507_A Rev-0
ACCEPTANCE TEST PROCEDURES		

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ITEM #	QTY.	PART NO.	DESCRIPTION
1	1	LS03-02021-003	Pressure Switch Altitude
UNLESS NOTED OTHERWISE TOLERANCE BLOCK: DIMENSIONS ARE IN METRIC DECIMALS ANGULAR XX ±.030 ±1° XXX ±.015 XXXX ±.0005			
DO NOT SCALE DRAWING		APPROVALS	DATE
		DRAWN BY LD	8-12-11
MATERIAL: Alum Body Brass NPT		APPROVED BY JRM	8-12-11
FINISH: n/a		NEXT ASSY.	
TITLE		Pressure Switch Altitude	
SIZE	DRAWING NO.		REV-0
A	LSPE-03507-A		
SCALE	SHEET		1 OF 1
NONE			



Dwg. No. LSPE-03507
 SH. 1 of 1
 REV. Rev-0