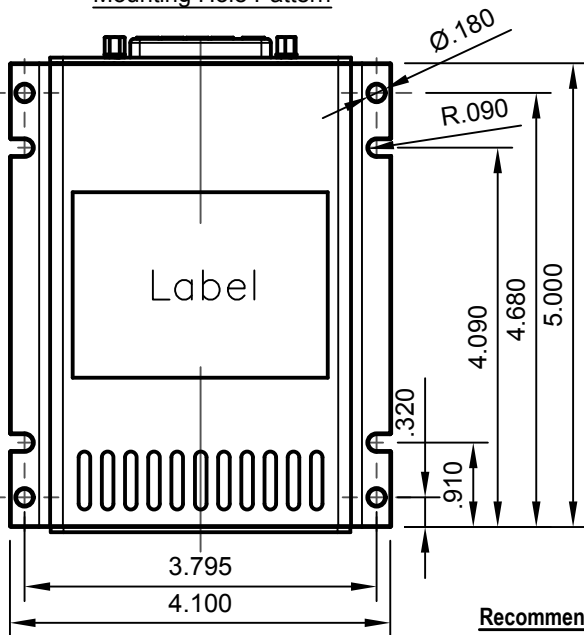


Table 1 - 14 Volt Input				
V out	Amps Out	Breaker	Connector	Wire
5	10A	7.5A	10A	14 AWG
7.5	10A	10A	10A	14 AWG
9	10A	11A	20A	12 AWG
13.8	7A	11A	20A	12 AWG
16	7A	15A	20A	12 AWG
19	7A	20A	20A	12 AWG
28	4A	15A	20A	12 AWG

Table 2 - 28 Volt Input				
V out	Amps Out	Breaker	Connector	Wire
5	10A	2.5A	10A	14 AWG
7.5	10A	4A	10A	14 AWG
9	10A	5A	10A	14 AWG
13.8	10A	7.5A	10A	14 AWG
16	10A	7.5A	10A	14 AWG
19	10A	10A	10A	14 AWG
28	10A	15A	20A	12 AWG

Mounting Hole Pattern



Connector Kit:
 LS03-05026-1 (10 Amp)
 LS03-05031 (20 Amp)

Crimp Tool:
 Hand Crimp Tool -
 TE Conn. 91601-1 Crimper

Recommended Mounting Hardware:
 AN 526 Screw 6-32 x4
 AN 960 Washer x4
 AN 356-632 Locknut x4

Recommended References:
 FAA AC 43.13-1B Acceptable Methods, Techniques, and Practices - Aircraft Inspections and Repair, Chapter 11
 FAA AC 43.13-2B Acceptable Methods, Techniques, and Practices - Aircraft Alterations

NOTICE
 Current draw of Power Adapter and optional equipment must not consistently exceed the constant current converter limit, separately or combined.

Revision Block					
Rev	ECN	Zone	Description of Changes	Date	Appv.
			Minor Change Release	7/14/21	ZJD

Electrical Connection Installation:
 1- Connect appropriate sized wire from Aircraft Power 10-40V DC to terminal A1, (Vin) on Converter, via circuit breaker.
 2- Connect appropriate sized wire from Electrical Ground to terminal A2, (Gnd)
 3- Connect appropriate sized wire from Converter output terminal A3, (Vout) to Input Power connection of DC equipment load.
 Connect ground of Load to the Electrical Ground

-Refer to Tables to select the appropriate circuit breaker, connector kit, and wire gauge for the desired input and output voltages

-Remote Option: Install 18 AWG wire from Master Avionics Switch to terminal A4 in order to utilize ON/OFF function. Verify Remote switch is in the correct position with switch 1 down and switch 2 up.

Operating Instructions:
 This device converts 10-40 volts to either 5, 7.5, 9, 13.8, 16, 19, 24 or 28 volts (different models) without any adjustments or control from the operator.

Instructions for Continued Air Worthiness
 Visual inspection for the following:
 1- Hardware: Check for loose hardware.
 2- Connector: Check connector wiring

Product Specifications:
 Input Voltage: 14 or 28 V DC
 Input Current: 2-15 Amps
 Output Voltage: 5V [5.1-7], 7.5V [7-9], 9V [8-11], 13.8V [11-15], 16V [15-18], 19V [17-21], 28V [24-29]
 Output Current: 10A /12A PK, 7A /8A PK, or 4A /5A PK.
 *See Tables
 Protections: OC,OV,OT, SC and RP
 Weight: 304.5g / 0.67lbs
 TSO -C71 Approved
 DO-160G See EQF [p2]
 COTS

Product Limitations:
 Maximum Voltage Input: 40V DC
 Minimum Voltage Input: 10V DC
 Maximum Output Voltage: 29V DC
 Minimum Output Voltage: 4.75V DC
 Maximum Output Current: See Tables
 Maximum High Temperature: +70° C
 Minimum Low Temperature: -55° C
 Maximum Altitude: 50,000 Feet

Mounting Recommendations:
 Mount DC Converter in electronics bay or cabin equipment rack near on board avionics equipment or electronics.
 Converter should be mounted to a smooth metal surface, in order to optimize thermal performance.

Drawing # LS03-05001B-06
 Sheet 1/3
 Rev.

Unless otherwise noted, dimensions are in inches with tolerances as follow:		<p style="text-align: center;"><u>Proprietary</u></p> This document and the data disclosed herewith is not to be reproduced, use, in whole or in part without written authorization from Lone Star Aviation, Corp		<p>Aviation Corporation 604 S. Wisteria Street Mansfield, Texas 76063 682-518-8882 682-518-8831 fax</p>	
.XX	±.03	Approvals	Date	Title: LS03-05001-B	
.XXX	±.015	Drawn: ZJD	Date: 7/14/21	Installation	
.XXXX	±.0005	Material:	Approved:	Scale	Drawing #: LS03-05001B-06
Angular	±1°	Finish:	Date:	Filename: Install Drawing	Rev. 1/3