

## GENERAL DESCRIPTION OF MODEL 9602-A

Version 1.0

March 6<sup>th</sup>, 2012



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## TABLE OF CONTENTS

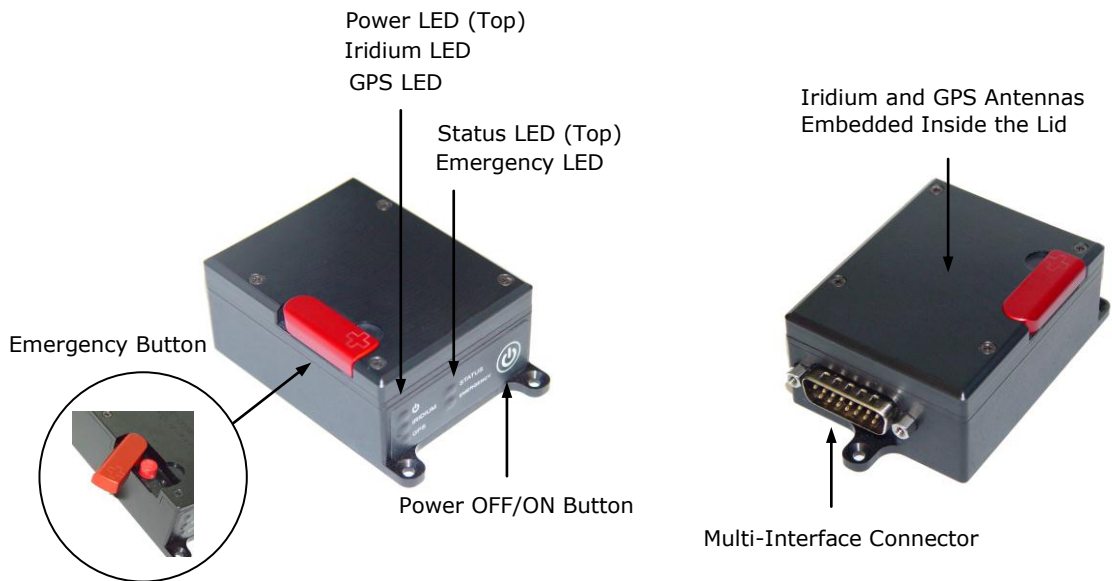
TABLE OF CONTENTS .....	3
1.0 PURPOSE .....	4
2.0 GENERAL SPECIFICATIONS .....	4
3.0 TECHNICAL SUPPORT .....	4
APPENDIX A: STANDARDS OF COMPLIANCE .....	33
APPENDIX B: EXPORT COMPLIANCE INFORMATION .....	34

## 1.0 PURPOSE

The 9602-A is a 9602-LP with internal Iridium and GPS antennas. Users are referred to the 9602-LP operating manuals.

## 2.0 GENERAL SPECIFICATIONS

Dimensions:	2.73" L x 2.17" W x 1.26" D (69 mm x 55 mm x 32 mm)
Weight:	6.3 oz. (179 g)
Enclosure:	Hard anodized aluminum/EMI shielding
Multi-Interface Connector:	15-Pin D-Sub
OFF/ON Switch:	Push Button
Emergency Switch:	Guarded Button and/or External via Multi-Interface Connector
Status LED Displays:	Power, GPS, Iridium, SBD status and Emergency

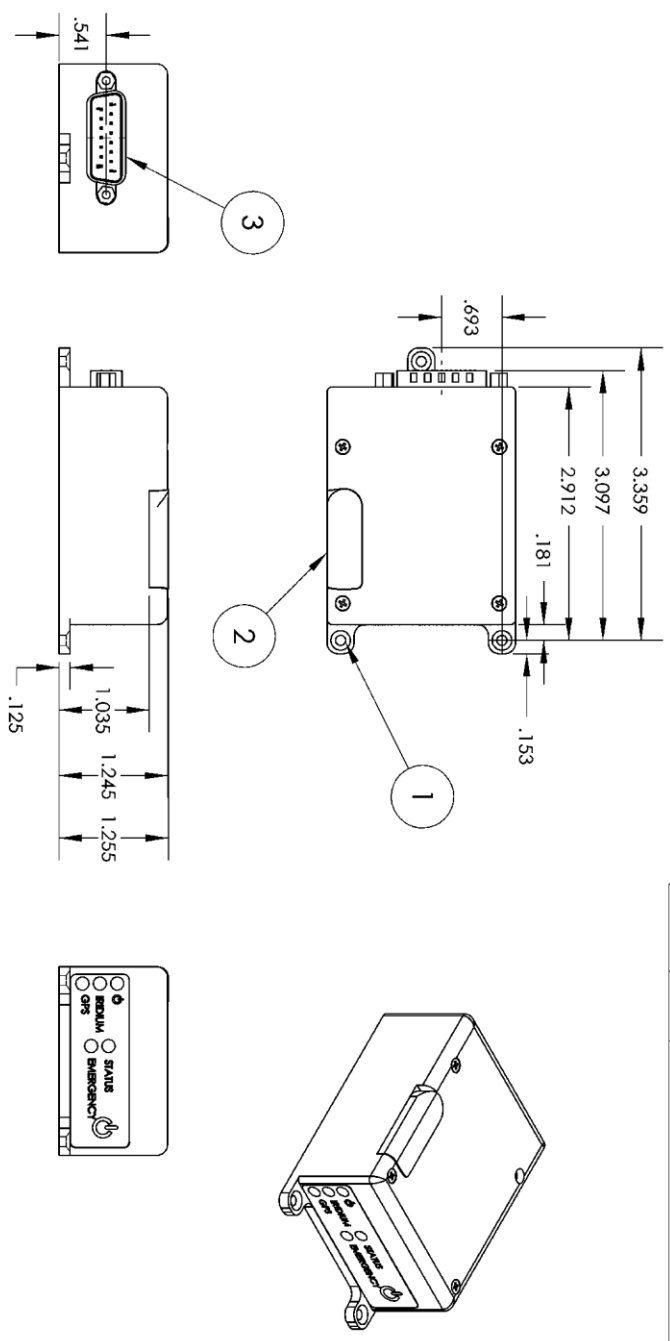


## 3.0 TECHNICAL SUPPORT

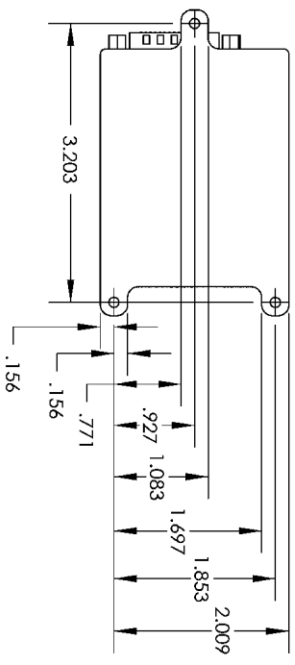
For technical support, please contact us at:  
Phone: 703-392-1136 Ext. 200 or  
E-mail: [contact@nalresearch.com](mailto:contact@nalresearch.com)

Technical documents are also available to download on NAL Research's website  
[www.nalresearch.com](http://www.nalresearch.com)

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1.0	INITIAL RELEASE	3/5/2012	DG



- NOTES:
- 100' COUNTERSINK FOR #4 SCREW, UNTHREADED (X3)
  - EMERGENCY SWITCH ACCESS
  - DB15 DATA ACCESS



DRAWING TITLE NAME: 9602-A		CONTRACT NO.		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL DECIMALS ANGLES	
C/D GENERATED DRAWING. MANUAL CHANGES NOT ALLOWED		APPROVALS		FINISH	
THE DOCUMENT CONTAINS COMPANY PROPRIETARY AND/OR CONFIDENTIAL INFORMATION. IT MAY NOT BE REPRODUCED OR INFORMATION HEREIN DISCLOSED WITHOUT WRITTEN CONSENT OF NAL RESEARCH CORPORATION		DESIGNER: E. RODERICK		MATERIAL	
		CHECKER:		PROJECT ENGINEER	
		APPROVED: D. GAIBROIS		DATE: 3/5/2012	
		SCALE: 1:2		DRAWING NAME: 9602-A	
		CAGE CODE: A		DWG. NO. 92362	
		SHEET: 1 OF 1		REV. 1.0	

**APPENDIX A: STANDARDS COMPLIANCE**

The 9602 transceiver is designed to meet the regulatory requirements for approval for FCC, Canada, and CE assuming an antenna with a gain of ~3 dBi and adequate shielding. The 9602 transceiver is tested to the regulatory and technical certifications shown in table below.

<b>Regulatory Approvals</b>	<b>Radio Tests</b>	<b>EMC Tests</b>	<b>Mechanical/ Electrical Tests</b>
CE	ETSI EN 301 441 V1.1.1 (2000-05)	ETSI EN 301 489-1 V1.8.1 (2008-04) ETSI EN 301 489-20 V1.2.1 (2002-11)	EN60950-1:2006 Part 1
FCC	FCC CFR47 Parts 2, 15, and 25	EN61000-4-2: 1995/A2: 2001 Part 4.2 EN61000-4-3: 2002 Part 4.3 EN61000-4-4: 2004 EN61000-4-6: 1996/A1: 2001 Part 4.6 EN55022: 2006	
Industry Canada	Industry Canada RSS170 Issue 1, Rev 1, November 6, 1999		

## APPENDIX B: EXPORT COMPLIANCE INFORMATION

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