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# PRODUCT INFORMATION BULLETIN

## AIR-EAGLE® XLT 900MHz RF Transmitter SINGLE PUSHBUTTON INPUT MODEL 44-1000-LOMA

### DESCRIPTION

The model 44-1000-LOMA, AIR-EAGLE XLT TX is a single pushbutton input R.F. transmitter designed to transmit a unique signal to the model 44-2000-LOMA AIR-EAGLE XLT RECEIVER which can be located up to 2500 feet (\*) away. This model comes equipped with a momentary pushbutton on the lid of the enclosure and utilizes four lithium batteries (included) to provide power to the unit.  
(\*) – Up to four miles with external antennas

### PC BOARD SET-UP INFORMATION

Make the following connections on the PC Board Terminal Strip:

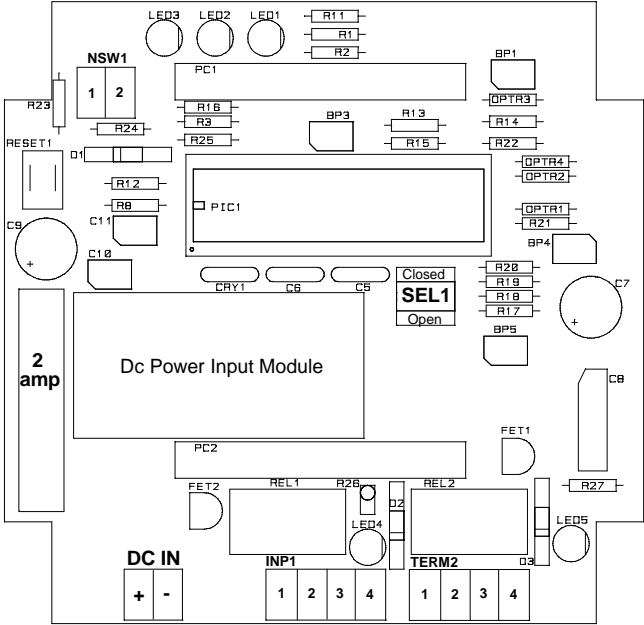
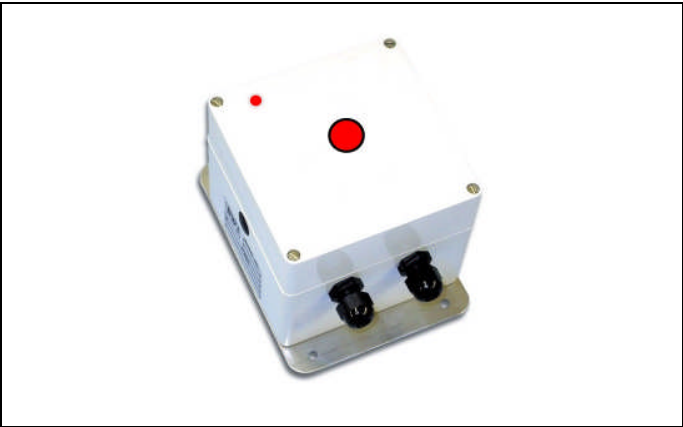
DC INPUT TERMINAL STRIP (DC IN)	
Terminal 1	Positive (+) 12VDC INPUT from batteries
Terminal 2	Negative (-) 12VDC INPUT from batteries

INPUT 1 TERMINAL STRIP (INP1)	
Terminal 1	Internal Jumper
Terminal 2	Internal Jumper
Terminal 3	Not Used On This Model
Terminal 4	Not Used On This Model

I/O TERMINAL STRIP (TERM2)	
Terminal 1	Not Used On This Model
Terminal 2	Not Used On This Model
Terminal 3	Not Used On This Model
Terminal 4	Not Used On This Model

NETWORK SWITCH TERMINAL STRIP (NSW1)	
Terminal 1	Not Used On This Model
Terminal 2	Not Used On This Model

NETWORK SWITCH CONFIGURATION OPTIONS (SEL1)				
SEL 1 (SW 1-3):	Network Address	SW1	SW2	SW3
USED TO SET NETWORK FREQUENCY	1	OPEN	OPEN	OPEN
	2	CLOSED	OPEN	OPEN
	3	OPEN	CLOSED	OPEN
	4	CLOSED	CLOSED	OPEN
	5	OPEN	OPEN	CLOSED
SEL 1 (SW4 – Not Used)				

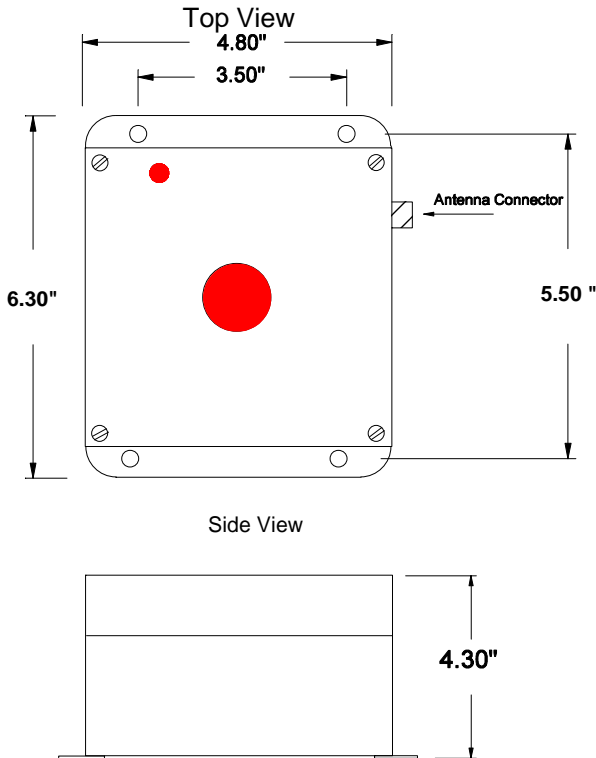


### APPROVALS

United States (FCC)	OUR-9XSTREAM
Canada (IC)	4214A-9XSTREAM

**AIR-EAGLE® XLT**  
**900MHz RF Transmitter**  
**SINGLE PUSHBUTTON INPUT**  
**MODEL 44-1000-LOMA**

**DIMENSIONS & INDICATORS**



**RED LED** - TX LED illuminates continuously while the red pushbutton is depressed.

**SPECIFICATIONS**

Power Supply	14VDC from internal batteries
Fuse Protected	2 amp
Transmitter Data	Single DRY Contact Input – Pre-wired to Pushbutton
Transmit Frequency	900MHz Spread Spectrum
RF Channels	Four independent network frequencies
RF Output Power	100mW
Transmit Range	Approximately 2500 feet (Up to 4 miles with external antenna - see accessories)
Enclosure	ABS Plastic, NEMA 3, 3R, 4, 4X, 12, 13
Operating Temp	-40° F - +185° F

**REPLACEMENT PARTS & ACCESSORIES**

PC Board (Main)	44-1002-LOMA
Lithium Batteries (4 ea required per TX)	TADIRAN 3.6V TL5903
Standard Antenna (Included):	
900MHz Portable Antenna (For distances up to 2500 feet*)	49-1103
Optional Antennas and Accessories:	
900MHz Omni Directional Antenna (For distances of 2500 feet to 2 miles*)	49-3101
900MHz 13dB Yagi Antenna Long Range Operation (For distances of 2 miles to 4 miles*)	49-3102
Flex Coax Cable w/Connectors	49-4000-XX (XX = # of Feet)
Inline Lightning Arrestor	49-5002
* = Line of Sight	

**LIMITED WARRANTY STATEMENT**

BWI Eagle Inc. warrants the Air-Eagle Remote Control System, if properly used and installed, will be free from defects in material and workmanship for a period of **1 year** after date of purchase. Said warranty to include the repair or replacement of defective equipment. This warranty does not cover damage due to external causes, including accident, problems with electrical power, usage not in accordance with product instructions, misuse, neglect, alteration, repair, improper installation, or improper testing. This limited warranty, and any implied warranties that may exist under state law, apply only to the original purchaser of the equipment, and last only for as long as such purchaser continues to own the equipment. This warranty replaces all other warranties, express or implied including, but not limited to, the implied warranties or merchantability and fitness for a particular purpose. BWI Eagle makes no express warranties beyond those stated here. BWI disclaims without limitation, implied warranties of merchantability and fitness for a particular purpose. Some jurisdictions do not allow the exclusion of implied warranties so this limitation may not apply to you. To obtain warranty service, contact BWI Eagle for a return material authorization. When returning equipment to BWI Eagle, the customer assumes the risk of damage or loss during shipping and is responsible for the shipping costs incurred.

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