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# PRODUCT INFORMATION BULLETIN

## AIR-EAGLE® XLT PLUS High Power 900 MHz RF Transmitter DUAL CONTACT INPUT MODEL 460-1000-120VAC

### DESCRIPTION

The model 460-1000, AIR-EAGLE XLT PLUS TX IS a dual contact input R.F. transmitter designed to transmit unique signals to any AIR-EAGLE XLT PLUS RECEIVER which can be located up to 1 mile (\*) away. This model comes equipped with a terminal strip for ease of interfacing with any external **dry contact input** devices such as tilt switches, flow switches, speed switches etc.  
(\*) – Longer distances can be obtained with external antennas

### INSTALLATION

1. Mount the AIR-EAGLE XLT PLUS TRANSMITTER in a convenient location.
2. Install transmit control wiring to contact input terminal strip.
3. Attach rubber duck antenna or coax from external antenna to connector on side of enclosure.
4. Plug supplied AC adapter into wall outlet.

### PC BOARD SET-UP INFORMATION

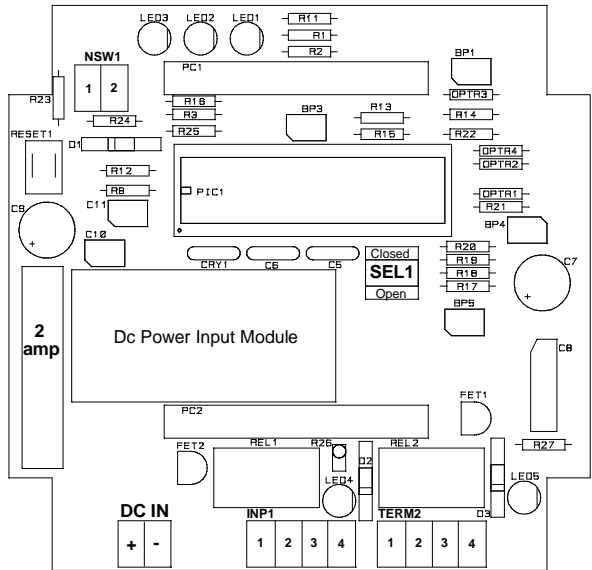
Make the following connections on the PC Board Terminal Strip:

DC INPUT TERMINAL STRIP (DC IN)	
Terminal 1	Positive (+) 12VDC INPUT from 120VAC adapter
Terminal 2	Negative (-) 12VDC INPUT from 120VAC adapter
INPUT 1 TERMINAL STRIP (INP1)	
Terminal 1	CH1 Dry Contact Input (+)
Terminal 2	CH1 Dry Contact Input (Common)
Terminal 3	CH2 Dry Contact Input (Common)
Terminal 4	CH2 Dry Contact Input (+)
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 OPTIONS (SEL1)	
SEL 1 (SW1 & 2):	Network Address SW1 SW2
USED TO SET NETWORK FREQUENCY	#1 OPEN OPEN
	#2 CLOSED OPEN
	#3 OPEN CLOSED
	#4 CLOSED CLOSED



### CONTROLS & INDICATORS

CH1 LED	Red LED illuminates continuously while contact input #1 is closed and unit is transmitting.
POWER LED	Green LED illuminates continuously while power is applied
CH2 LED	Red LED illuminates continuously while contact input #2 is closed and unit is transmitting.

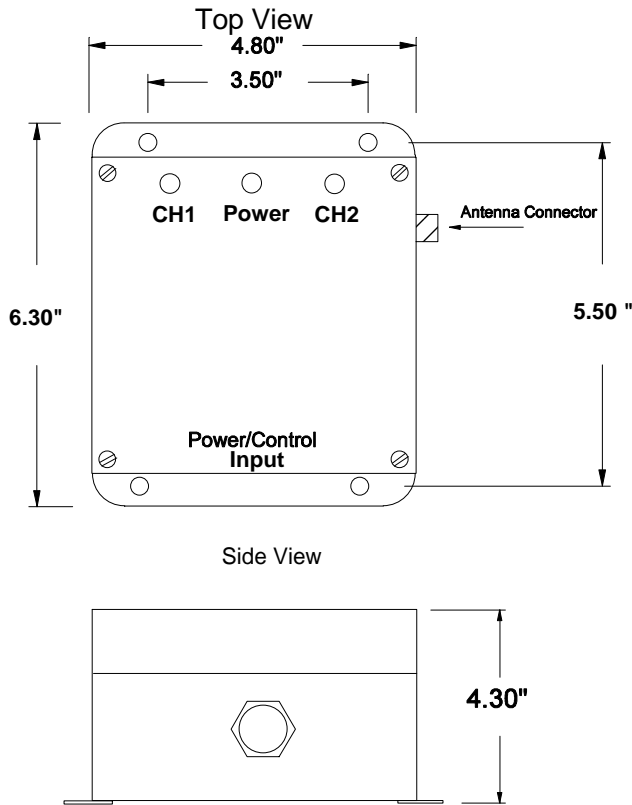


# AIR-EAGLE® XLT PLUS

High Power 900 MHz RF Transmitter  
DUAL CONTACT INPUT

**MODEL 460-1000-120VAC**

## DIMENSIONS



## SPECIFICATIONS

Power Supply	120VAC from wall adapter
Fuse Protected	2 amp
Transmitter Data	Two DRY Contact Inputs
Transmit Frequency	900MHz Spread Spectrum
RF Channels	Four independent network frequencies
RF Output Power	1 Watt
Transmit Range	Up to 25 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)	460-1002
Standard Antenna (Included):	
900MHz Portable Antenna (For distances up to 1 mile)	49-1103
Optional Antennas and Accessories:	
900MHz Omni Directional Antenna (For distances up to 10 miles*)	49-3101
900MHz 13dB Yagi Antenna Long Range Operation (For distances up to 25 miles*)	49-3102
Flex Coax Cable w/Connectors	49-4000-XX (XX = # of Feet)
Inline Lightening 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.

DOCUMENT DATE: 31-Aug-10 / REV.0



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