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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

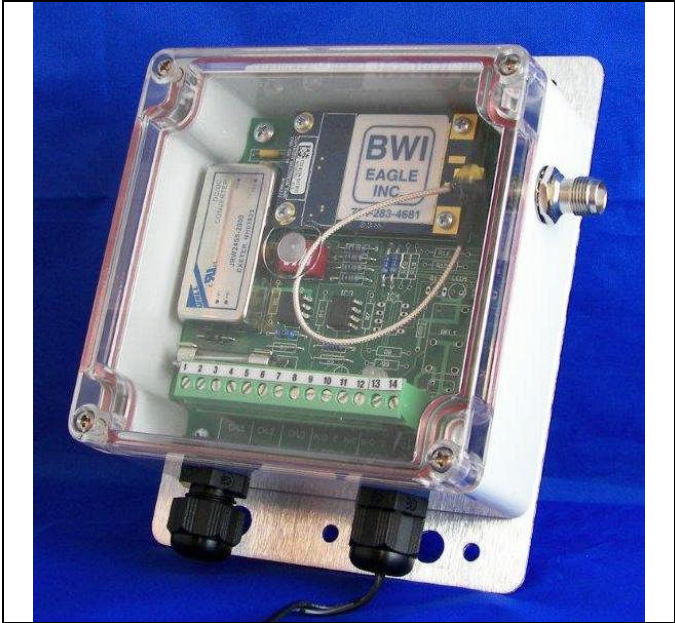
### INSTALLATION

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

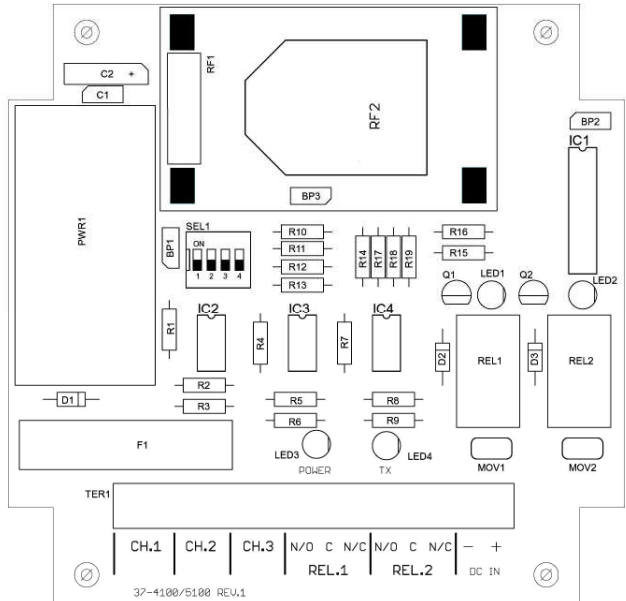
Make the following connections on the PC Board Terminal Strip (TER1)

| TERMINAL STRIP WIRING (TER1) |  |
|------------------------------|--|
| Terminal 1                   | CH1 Dry Contact Input (Common)               |
| Terminal 2                   | CH1 Dry Contact Input                        |
| Terminal 3                   | CH2 Dry Contact Input (Common)               |
| Terminal 4                   | CH2 Dry Contact Input                        |
| Terminal 5                   | Not Used                                     |
| Terminal 6                   | Not Used                                     |
| Terminal 7                   | Not Used                                     |
| Terminal 8                   | Not Used                                     |
| Terminal 9                   | Not Used                                     |
| Terminal 10                  | Not Used                                     |
| Terminal 11                  | Not Used                                     |
| Terminal 12                  | Not Used                                     |
| Terminal 13                  | Negative (-) 12VDC INPUT from 120VAC adapter |
| Terminal 14                  | Positive (+) 12VDC INPUT from 120VAC adapter |



### CONTROLS & INDICATORS

|           |   |
|-----------|---|
| GREEN LED | LED4 illuminates green when power is applied to transmitter                         |
| RED LED   | LED 4 illuminates red when either of the inputs are closed and unit is transmitting |



# AIR-EAGLE® XLT PLUS

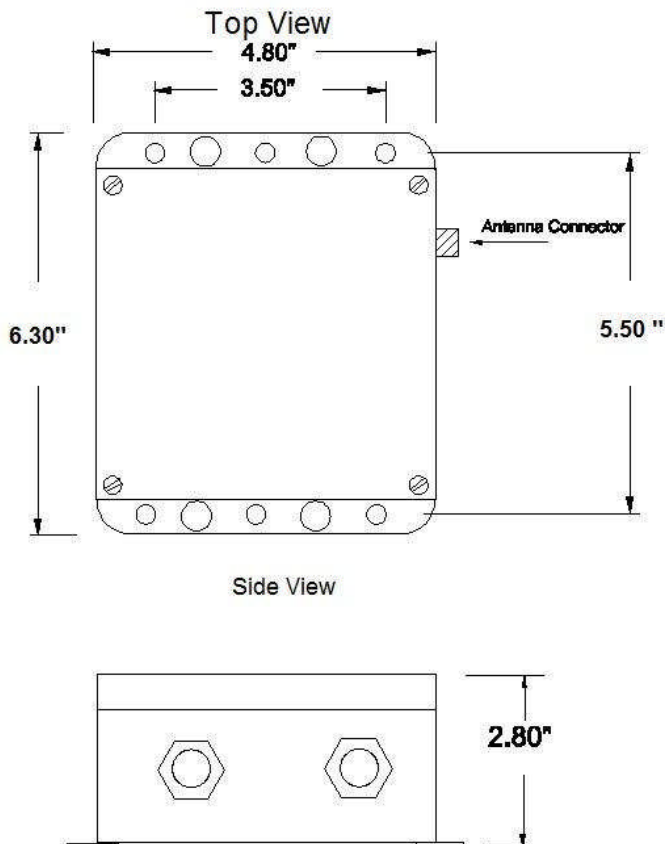
High Power 900 MHz RF Transmitter  
DUAL CONTACT INPUT

**MODEL 460-1000-120VAC**

## FREQUENCY SET-UP

| NETWORK SWITCH OPTIONS (SEL1)                            |                    |        |        |        |
|--|--------------------|--------|--------|--------|
| SEL 1<br>SW1, 2 & 3):                                    | Network<br>Address | SW1    | SW2    | SW3    |
| <i>USED TO SET<br/>NETWORK<br/>FREQUENCY<br/>ADDRESS</i> | #1                 | OPEN   | OPEN   | OPEN   |
|  | #2                 | CLOSED | OPEN   | OPEN   |
|  | #3                 | OPEN   | CLOSED | OPEN   |
|  | #4                 | CLOSED | CLOSED | OPEN   |
|  | #5                 | OPEN   | OPEN   | CLOSED |
|  | #6                 | CLOSED | OPEN   | CLOSED |
|  | #7                 | OPEN   | CLOSED | CLOSED |
|  | #8                 | CLOSED | CLOSED | CLOSED |

## 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 –<br>(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<br>(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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