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PRODUCT INFORMATION BULLETIN

AIR-EAGLE® XLT 900 MHz RF Repeater MODEL 44-4500-120VAC

DESCRIPTION

The AIR-EAGLE XLT RF REPEATER IS designed to retransmit an RF signal from any Air-Eagle SR or SR PLUS Transmitter. When placed in an area where the signal is weak, this unit will then re-transmit at full strength facilitating greater distances and allowing the RF signal to reach around corners, through tunnels, over hills and through valleys.

APPROVALS

| | |
|---------------------|----------------|
| United States (FCC) | MCQ-XBEEEXSC |
| Canada (IC) | 1846A-XBEEEXSC |

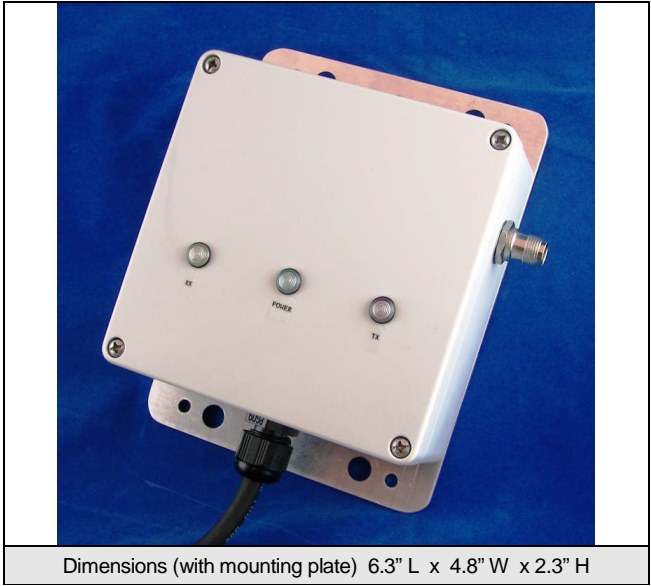
INSTALLATION

DISCONNECT AC Power from all equipment before installation.

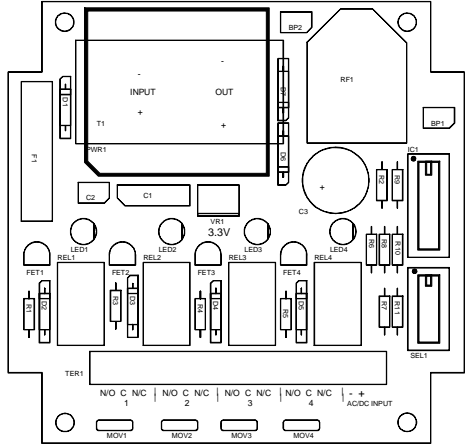
1. Mount the AIR-EAGLE XLT REPEATER in a convenient location.
2. Install antenna. The unit has an antenna connector located on the right side on the enclosure. Attach the supplied portable antenna to this connector.
3. Connect AC power and control to the proper terminals in your control circuit.

TERMINAL STRIP WIRING

| | | | | | |
|---|----------|----|----------|----|---------------------|
| 1 | Not Used | 7 | Not Used | 13 | 120 VAC - (Neutral) |
| 2 | Not Used | 8 | Not Used | 14 | 120 VAC - (Hot) |
| 3 | Not Used | 9 | Not Used | | |
| 4 | Not Used | 10 | Not Used | | |
| 5 | Not Used | 11 | Not Used | | |
| 6 | Not Used | 12 | Not Used | | |



CONTROLS AND INDICATORS



| | |
|------------------------|--|
| RX LED | Yellow LED illuminates as remote signals are being received by the repeater |
| POWER LED | Green LED is illuminated while power is applied to the repeater |
| TX LED | Red LED illuminates as remote signals are being re-transmitted by the repeater |
| RF1 | RF module that receives data from the remote transmitter |
| SEL1 Switches 4-6 | Used to set frequency |
| SEL1 Switches 1-3;7 | Not used on this model |

AIR-EAGLE® XLT

900 MHz RF Repeater

MODEL 44-4500-120VAC

FREQUENCY SET-UP

The unit is shipped from the factory with all SEL1 switches in the open positions, and defaults to Frequency #1. If you wish to change the default frequency, follow the steps on the table below to set Switches 4-6.

- 1) Remove power from unit
- 2) Remove top cover.
- 3) Select desired address and/or network frequency using table below.
- 4) Reattach cover and apply power.
- 5) Programming is now complete.

RELAY SET-UP

| SEL1 Switches 1-3 | N/A | | | |
|-------------------------|-------------------------|--------|--------|--------|
| FREQUENCY SET-UP | | | | |
| SEL1 Switches 4-6 | Network Address | SW4 | SW5 | SW6 |
| | 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 | |
| OTHER | | | | |
| SEL1 Switch 7 | Reserved for Future Use | | | |

SPECIFICATIONS

| | |
|-----------------------|---|
| AC Input | 120 VAC, 16 W, 50/60 Hz |
| Fuse Protected | 1 amp |
| Receiver Range | Approximately 2500 feet (Up to 4 miles with external antenna - see accessories) |
| Receiver Frequency | 900 MHz Spread Spectrum |
| Receiver Channels | Seven independent network frequencies |
| Operating Temperature | -40° F to +185° F |
| Enclosure | ABS Plastic, NEMA 3, 3R, 4, 4X, 12, 13 |
| Weight | Approx 2 lbs. |

REPLACEMENT PARTS & ACCESSORIES

| | |
|---|--------------------------------|
| PC Board (Main) | 44-4502-120VAC |
| Standard Antenna (Included): | |
| 900MHz Portable Antenna (For distances up to 2500 feet*) | 49-1103 |
| Optional Antennas and Accessories – Used to increase range in both non line of sight and line of sight applications. - Contact BWI Eagle for recommendations | |
| 900MHz Omni Directional Antenna (For distances up to 2 miles*) | 49-3101 |
| 900MHz 13dB Yagi Antenna Long Range Operation (For distances up to 4 miles*) | 49-3102 |
| Flex Coax Cable w/Connectors | 49-4000-XX (XX = # of Feet) |
| Inline Lightening Arrestor | 49-5002 |
| 2 Ft. Bulkhead Assembly (Used when mounting receiver inside another enclosure) | 49-5004 |
| * = 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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