



105 Bonnie Drive
Butler, PA 16002
724-283-4681
724-283-5939 (fax)
www.bwieagle.com

PRODUCT INFORMATION BULLETIN

AIR-EAGLE® XLT 900 MHz RF Receiver MODEL 44AN-5000-4-200-120VAC

DESCRIPTION

The AIR-EAGLE XLT, MODEL 44AN-5000-120VAC is an RF receiver capable of receiving two 4-20mA or 0-5VDC input signals from a remote transmitter(s). Two 4-20mA outputs are provided to relay the information received. Transmitters and receivers can be combined in any quantity to create a long range radio frequency system that monitors electrical apparatus from safe, convenient locations of up to 2500 feet away. (Or longer with optional antennas) This unit is user-programmable for up to seven network frequencies to allow multiple systems to operate simultaneously in the same area without interference.

INSTALLATION

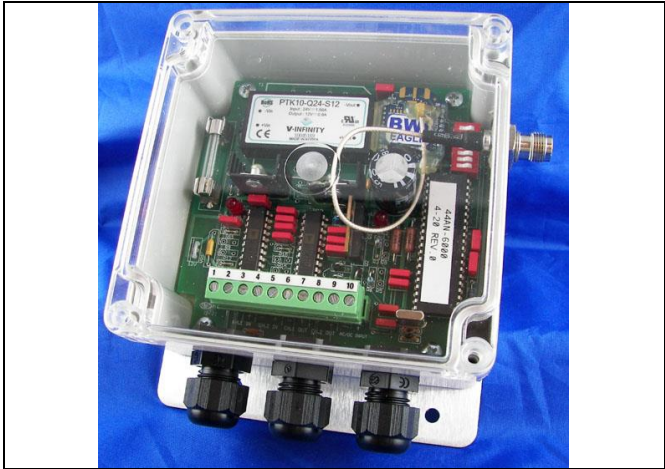
1. Mount the AIR-EAGLE XLT RECEIVER in a convenient location
2. Install wiring to output terminal strip.
3. Install antenna to TNC connector on side of unit.
4. Plug supplied AC wall plug adapter into 110VAC outlet.

FREQUENCY SET-UP

This receiver is factory set to operate on frequency #1. If you wish to change the default setting, follow the instructions using the table below:

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

| INPUT CONFIGURATION | | | | |
|---------------------|-------------------------|--------|--------|--------|
| SEL1 SWITCH NUMBER | OPEN | CLOSED | | |
| SW1& 2 | Not used on this model | | | |
| SW3 &4 | Reserved for future use | | | |
| FREQUENCY SET-UP | | | | |
| SEL1 (SW5-7) | Network Frequency | SW5 | SW6 | SW7 |
| | 1 (default) | 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 |

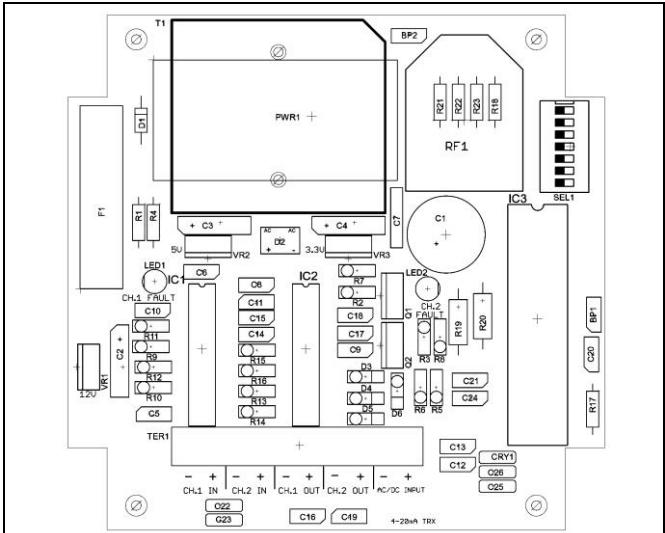


Dimensions (with mounting plate) 6.3" L x 4.8" W x 2.3" H

TERMINAL STRIP WIRING

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|----------|----------|----------|----------|---------------------|--------------------|--------------------|--------------------|---|---|
| Not Used | Not Used | Not Used | Not Used | Output 1 4-20mA (-) | Output 1 4-20mA(+) | Output 2 4-20mA(-) | Output 2 4-20mA(+) | (-) 12VDC input from included AC wall adapter | (+) 12VDC input from included AC wall adapter |

CONTROLS & INDICATORS



OUTPUT FAULT LEDS Each Channel has a RED LED that will turn on when the current output is open

AIR-EAGLE® XLT

900 MHz RF Receiver

MODEL 44AN-5000-4-200-120VAC

APPROVALS

| | |
|---------------------|--------------|
| United States (FCC) | MCQ-XBPS3B |
| Canada (IC) | 1846A-XBPS3B |

SPECIFICATIONS

| | |
|-----------------------|--|
| Inputs | Not used on this model |
| Outputs | Two 4-20mA |
| Safety Timer | 15 seconds |
| Update Time | 4 samples / second |
| AC Input | 100-240 VAC, 16 W, 50/60 Hz from supplied wall adapter |
| Enclosure | Polycarbonate NEMA 4 (IP66) |
| Frequency | 900MHz Spread Spectrum 7 Independent Networks |
| Reception Range | Approximately 2500 Feet w/standard antenna |
| Operating Temperature | -40° F to +185° F |

REPLACEMENT PARTS & ACCESSORIES

| | |
|--|--------------------------------|
| PC Board (Main) | 44AN-5002-4-200-120V |
| Standard Antenna (Included): | |
| 900MHz Portable Antenna (For distances up to 2500 feet*) | 49-1103 |
| Optional Antennas and Accessories: | |
| 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) |
| * = Line of Sight | |

LIMITED WARRANTY STATEMENT

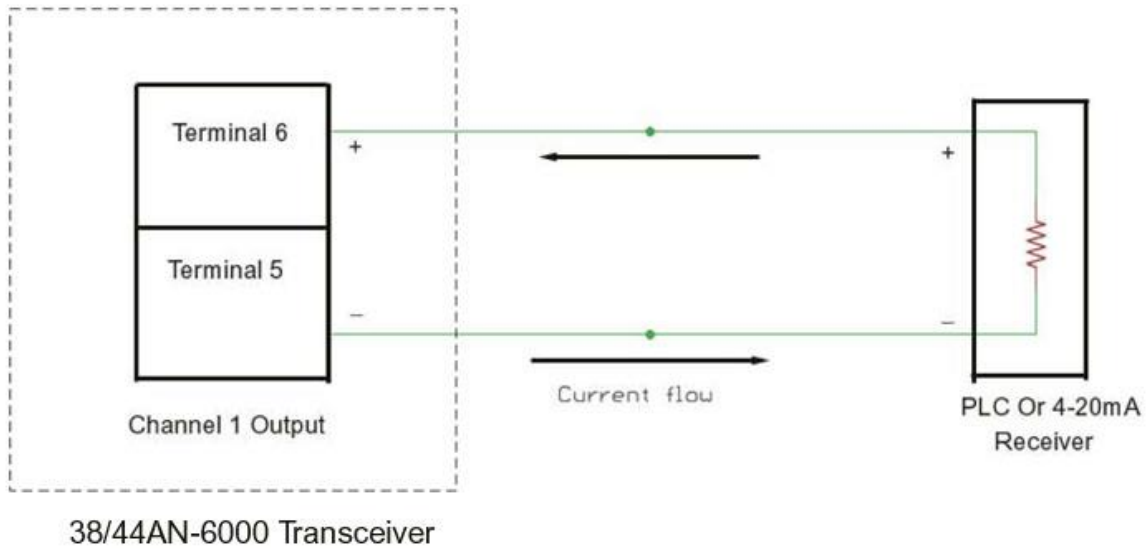
BWI Eagle Inc. warrants the Air-Eagle Remote Control System, if properly used and installed, will be free from defects in material and workmanship for a period of 1 year after date of purchase. Said warranty to include the repair or replacement of defective equipment. This warranty does not cover damage 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 of 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: 1/24/18 / PRODUCT REV.2



105 Bonnie Drive
Butler, PA 16002
(724) 283-4681
Fax (724) 283-5939
www.bwieagle.com

44AN-5000-4-20-120VAC
4-20mA Installation



The above diagram shows the channel 1 output hooked to a 4-20mA receiver or PLC. The input resistance of the receiver can be up to 500 ohms. Anything higher and the current will be limited to below 20 mA since the maximum output voltage of the channel outputs is 10 volts.