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# PRODUCT INFORMATION BULLETIN

## AIR-EAGLE® XLT 900 MHz RF Receiver MODEL 441AN-5000-4-200-DC

### DESCRIPTION

The AIR-EAGLE XLT, MODEL 441AN-5000-DC 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.

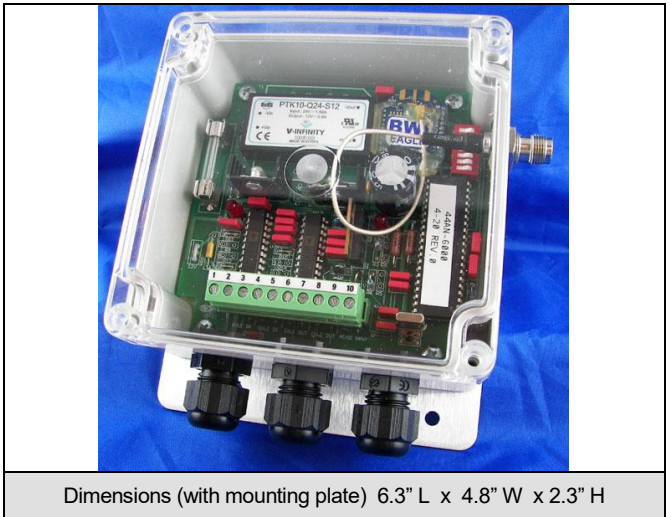
### INSTALLATION

1. Mount the AIR-EAGLE XLT RECEIVER in a convenient location
2. Install wiring to output input terminal strip.
3. Install antenna onto TNC connector on side of unit.
4. Connect DC power to the proper terminals in your control circuit.

### 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:

<ol style="list-style-type: none"> <li>1) Remove power from unit</li> <li>2) Remove top cover.</li> <li>3) Select desired frequency using table below.</li> <li>4) Reattach cover and apply power.</li> <li>5) Programming is now complete.</li> </ol>				
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	

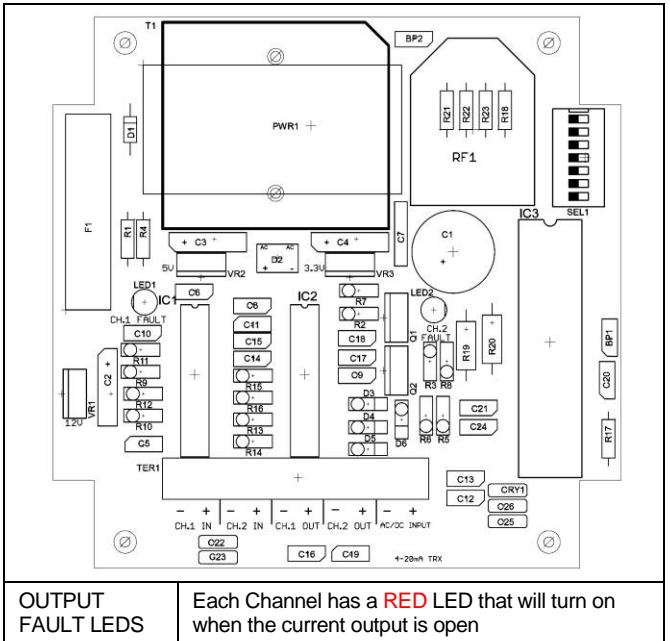


Dimensions (with mounting plate) 6.3" L x 4.8" W x 2.3" H

### 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(+)	(-) 9-36VDC input	(+) 9-36VDC input

### CONTROLS & INDICATORS



# AIR-EAGLE® XLT

900 MHz RF Receiver

**MODEL 441AN-5000-4-200-DC**

## 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
DC Input	9 – 36 VDC @ 10 Watts Fuse Protected – 1A Slo-Blo
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)	441AN-5002-4-200-DC
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

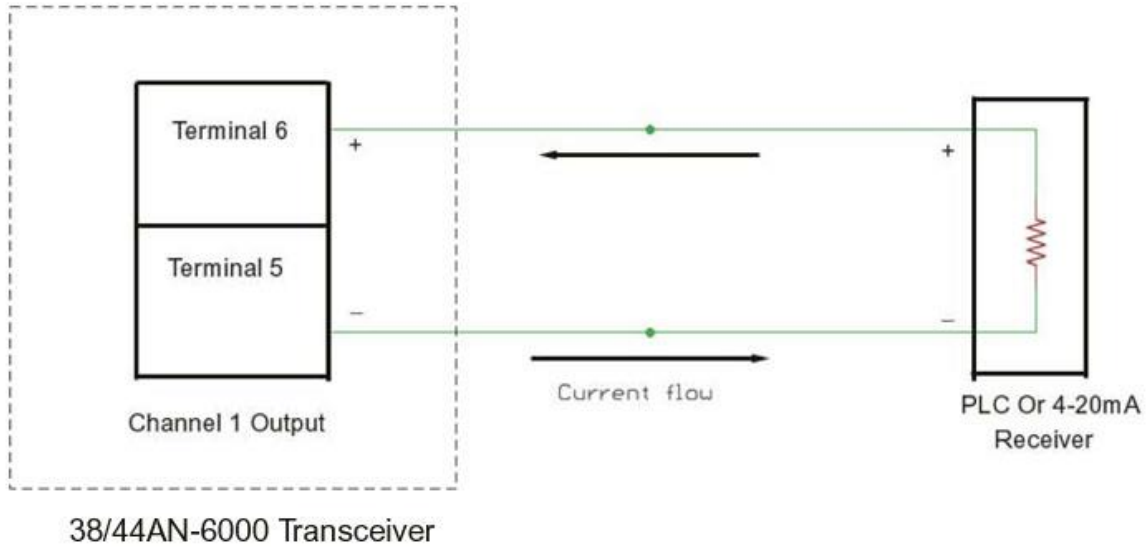
BWI Eagle Inc. warrants the Air-Eagle Remote Control System, if properly used and installed, will be free from defects in material and workmanship for a period of 1 year after date of purchase. Said warranty to include the repair or replacement of defective equipment. This warranty does not cover damage 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 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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**441AN-5000-4-20-DC  
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.