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PRODUCT INFORMATION BULLETIN

AIR-EAGLE® XLT 900 MHz RF Transmitter MODEL 44-1430-BIN-1B-120VAC

DESCRIPTION

The AIR-EAGLE XLT, MODEL 44-1430-BIN-1B is an R.F. transmitter having a single pushbutton and triple thumbwheel switch that is capable of sending up to 199 binary coded transmissions to the model 44-2000-BIN receiver. The TX and RX combine to create a long range radio frequency system that operates hazardous or hard-to-reach electrical apparatus from safe, convenient locations of up to 2500 feet away (Up to 4 mile range with optional antennas). This unit is user-programmable for up seven network frequencies to allow multiple transmitters and receivers to operate simultaneously in the same area without interference.

INSTALLATION

1. Mount the AIR-EAGLE XLT TRANSMITTER in a convenient location where the operator will have easy access to the button and thumbwheel selector switch..
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.

FREQUENCY SET-UP

This transmitter is factory programmed to Frequency #1. This setting can be changed by the user **but must match the receiver that is set up to communicate with this transmitter.**

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

SEL1	Seven dip switches for selecting digital address of this transmitter (Maximum of 128 combinations)			
SEL 2 (SW 1-3): <i>(NETWORK FREQUENCY)</i>	Network Address	SW1	SW2	SW3
	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	
SEL2 (SW4)	Reserved for future use			

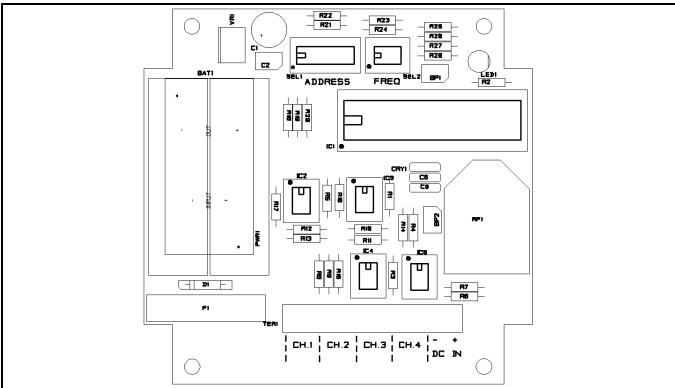


(Note – similar model 44-1420-3B Pictured)
Dimensions (with mounting plate) 6.3" L x 4.8" W x 2.3" H

TERMINAL STRIP WIRING

Wire as shown based on number of included pushbuttons									
1	2	3	4	5	6	7	8	9	10
Button 1 Input	Button 1 Common	Button 2 Input	Button 2 Common	Button 3 Input	Button 3 Common	Button 4 Input	Button 4 Common	(-) 9-36VDC input from included AC wall adapter	(+) 9-36VDC input from included AC wall adapter

CONTROLS & INDICATORS



TX LED	Illuminates continuously while the button is depressed and unit is transmitting.
Green Pushbutton 1	Transmits individual button binary RF codes to the receiver
Thumbwheel Switch	Used to select binary code to be transmitted

AIR-EAGLE® XLT

900 MHz RF Transmitter

MODEL 44-1430-BIN-1B-120VAC

APPROVALS

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

SPECIFICATIONS

AC Input	120 VAC, 16 W, 50/60 Hz from included wall adapter
One Dry Contact Input	Pre-wired to included pushbutton
Enclosure	ABS Plastic NEMA 3, 3R, 4, 12 + 13
Transmit Frequency	900 MHz Spread Spectrum
Transmitter Channels	7 Independent Network Frequencies
Antenna Connection	TNC Female
RF Output Power	100 mW
Transmit Range	Approximately 2500 Feet
Operating Temperature	-40° F to +185° F

REPLACEMENT PARTS & ACCESSORIES

PC Board (Main)	44-1432-BIN-1B
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)
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 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.

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