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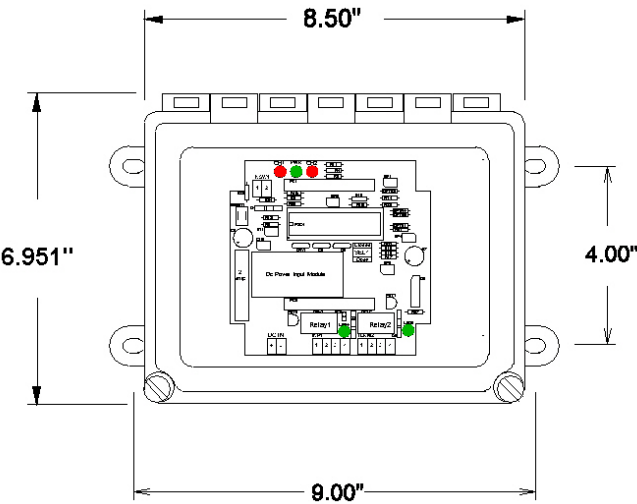
PRODUCT INFORMATION BULLETIN

AIR-EAGLE® FM2 900MHz RF Repeater MODEL 43-4500N4W-120VAC

DESCRIPTION

The AIR-EAGLE FM2 RF REPEATER IS designed to retransmit an RF signal from any Air-Eagle FM2 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.

DIMENSIONS & INDICATORS



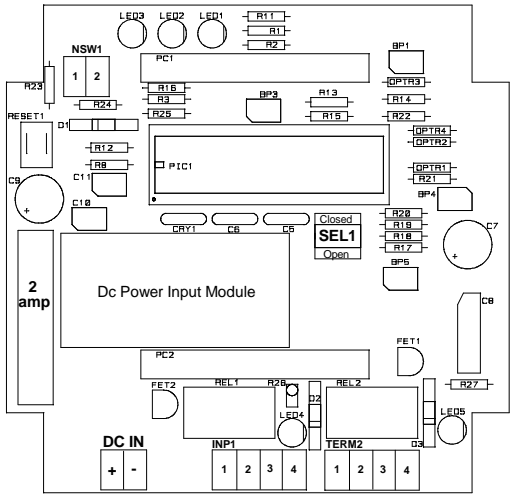
RX LED – Yellow LED illuminates continuously as remote signals are being received by the repeater.

POWER LED – Green LED illuminates continuously while power is applied to the repeater.

TX LED - Red LED illuminates continuously while signals are being re-transmitted from the repeater.



PC BOARD SET-UP INFORMATION



Make the following connections on the PC Board Terminal Strip:

DC INPUT TERMINAL STRIP (DC IN)	
Term 1	Positive (+) 12VDC INPUT from internal 120VAC adapter
Term 2	Negative (-) 12VDC INPUT from internal 120VAC adapter

INPUT 1 TERMINAL STRIP (INP1)	Not Used On This Model
I/O TERMINAL STRIP (TERM2)	Not Used On This Model

NETWORK SWITCH CONFIGURATION OPTIONS (SEL1)			
SEL 1 (SW1 & 2): <i>USED TO SET NETWORK FREQUENCY</i>	Network Address	SW1	SW2
	#1	OPEN	OPEN
	#2	CLOSED	OPEN
	#3	OPEN	CLOSED
	#4	CLOSED	CLOSED

AIR-EAGLE[®] FM2

900MHz RF Repeater

MODEL 43-4500N4W-120VAC

SPECIFICATIONS

Power Supply	120VAC from internal adapter
Fuse Protected	2 amp
RX/TX Frequency	900MHz Spread Spectrum
RF Channel	4 independent network frequencies
RF Output Power	4mW
Transmit Range	Up to 1200 feet
Operating Temperature	-40° F to +185° F
Enclosure	Hinged fiberglass with window / NEMA 3, 3R, 4, 12, 13

REPLACEMENT PARTS & ACCESSORIES

PC Board (Main)	43-4502
Standard Antenna (Included):	
900MHz TNC Portable Antenna (For distances up to 600 feet*)	49-1103
Optional Antenna & Accessories:	
900MHz Omni Directional Base Antenna (For distances up to 1200 feet*)	49-3101
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 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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