



238 Pillow Street
Butler, PA 16001
724-283-4681
724-283-5939 (fax)
www.bwieagle.com

PRODUCT INFORMATION BULLETIN

AIR-EAGLE® XLT 900MHz RF Receiver DUAL RELAY OUTPUT MODEL 44-4050-BIN-3&4-120VAC

DESCRIPTION

The AIR-EAGLE XLT RF RECEIVER IS a dual relay unit designed to receive unique signals from the model 44-2000-BIN-INPUT Transmitter. This model has been modified to have dual latching relays in response to commands from the binary input transmitter. Terminal strips are provided for interfacing with external dry contact inputs as well as dry contact relay outputs. This unit can operate remote machinery such as pumps, gates, chutes etc.

PC BOARD SET-UP INFORMATION

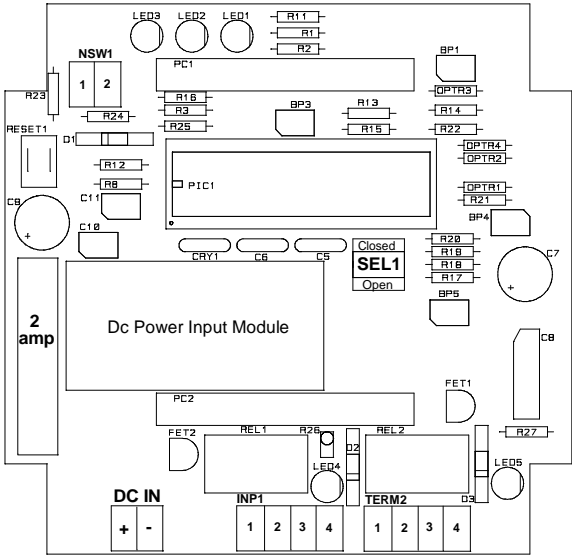
Make the following connections on the PC Board Terminal Strip:

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

INPUT 1 TERMINAL STRIP (INP1)	
Terminal 1	Not Used On This Model
Terminal 2	Not Used On This Model
Terminal 3	Not Used On This Model
Terminal 4	Not Used On This Model

I/O TERMINAL STRIP (TERM2)	
Terminal 1	Relay 1 Common
Terminal 2	Relay 1 N/O
Terminal 3	Relay 2 Common
Terminal 4	Relay 2 N/O

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

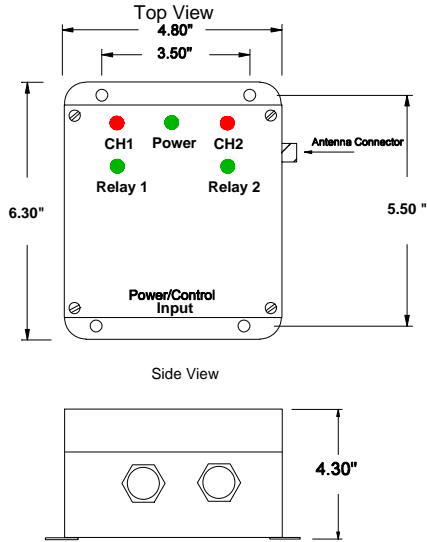


APPROVALS

United States (FCC)	OUR-9XSTREAM
Canada (IC)	4214A-9XSTREAM

AIR-EAGLE® XLT
900MHz RF Transceiver
DUAL CONTACT INPUT / OUTPUT
MODEL 44-4050-BIN-3&4-120VAC

DIMENSIONS & INDICATORS



CH1 LED – Not Used On This Model

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

CH2 LED – Not Used On This Model

RELAY 1 LED - Green LED illuminates continuously while Relay #1 is energized. Binary Code #3 is received. This is a latching relay and will only de-energize after binary code #127 is received.

RELAY 2 LED – Green LED illuminates continuously while Relay #2 is energized. Binary Code #4 is received. This is a latching relay and will only de-energize after binary code #128 is received.

SPECIFICATIONS

Power Supply	120VAC from wall adapter
Fuse Protected	2 amp
Transmit Frequency	900MHz Spread Spectrum
RF Output Power	140mW
Transmit Range	Up to 10 miles with external antenna - see accessories)
Operating Temperature	-40° to +85°
Enclosure	Fiberglass NEMA 12 + 13

REPLACEMENT PARTS & ACCESSORIES

PC Board (Main)	44-4052-BIN-3&4
Optional Transceiver Antennas:	
900MHz Omni Directional Antenna Medium Range Operation – For Ranges Up to 2 miles *	49-3101
900MHz 13dB Yagi Antenna Long Range Operation – For Ranges Greater than 2 miles / Up to 10 miles *	49-3102
Inline Lightening 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.

DOCUMENT DATE: 20-Oct-04



238 Pillow Street
 Butler, PA 16001
 (724) 283-4681
 Fax (724) 283-5939
www.bwieagle.com