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PRODUCT INFORMATION BULLETIN

AIR-EAGLE® XLT PLUS High Power 900MHz RF Transceiver DUAL CONTACT INPUT / OUTPUT MODEL 460-4000-DC

DESCRIPTION

The AIR-EAGLE XLT PLUS RF TRANSCEIVER IS a dual I/O unit designed to transmit and receive unique signals from an identical unit located up to several miles away. This model comes equipped with dual contact inputs and dual relay outputs. This allows the user to not only transmit information out, but receive a confirming signal back that the operation was performed. A terminal strip has been 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.

INSTALLATION

1. Mount the AIR-EAGLE XLT PLUS TRANSCEIVER in a convenient location.
2. Install transmit control and relay wiring to terminal strip.
3. Attach rubber duck antenna or coax from external antenna to connector on side of enclosure.
4. Connect DC power and control to the proper terminals in your control circuit.

PC BOARD SET-UP INFORMATION

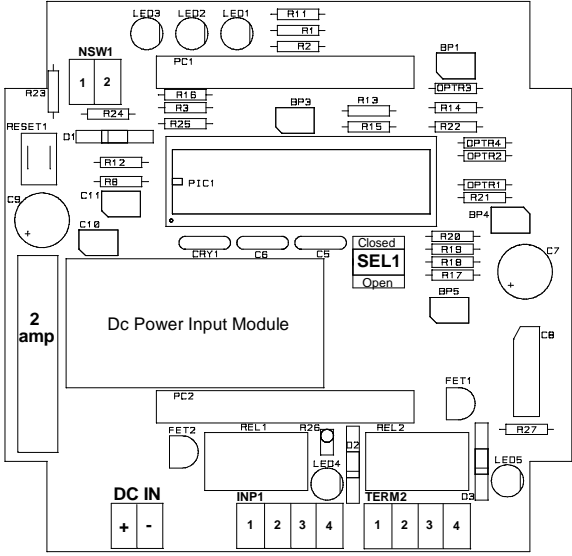
Make the following connections on the PC Board Terminal Strip:

DC INPUT TERMINAL STRIP (DC IN)			
Terminal 1	Positive (+) 9-36VDC INPUT		
Terminal 2	Negative (-) 9-36VDC INPUT		
INPUT 1 TERMINAL STRIP (INP1)			
Terminal 1	CH1 Dry Contact Input (+)		
Terminal 2	CH1 Dry Contact Input (Common)		
Terminal 3	CH2 Dry Contact Input (Common)		
Terminal 4	CH2 Dry Contact Input (+)		
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 TERMINAL STRIP (NSW1)			
Terminal 1	Not Used On This Model		
Terminal 2	Not Used On This Model		
NETWORK SWITCH 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



CONTROLS & INDICATORS

CH1 LED	Red LED illuminates continuously while contact input #1 is closed and unit is transmitting.
POWER LED	Green LED illuminates continuously while power is applied
CH2 LED	Red LED illuminates continuously while contact input #2 is closed and unit is transmitting.
REL1 LED	Green LED illuminates continuously while Relay #1 is energized
REL2 LED	Green LED illuminates continuously while Relay #2 is energized

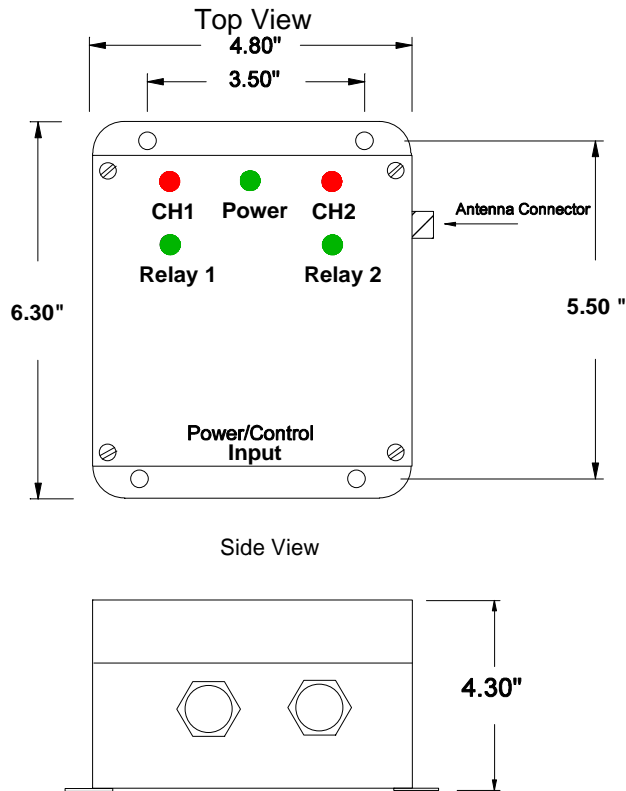


AIR-EAGLE® XLT PLUS

High Power 900MHz RF Transceiver
DUAL CONTACT INPUT / OUTPUT

MODEL 460-4000-DC

DIMENSIONS



RELAY OPERATION

Button or Input Signal Received	Relay Function
1	Relay 1 Energizes, Maintained Momentary
2	Relay 2 Energizes, Maintained Momentary

SPECIFICATIONS

Power Supply	9 – 36 VDC @ 10 Watts
Fuse Protected	2 amp
Frequency	900MHz Spread Spectrum
RF Channels	Four independent network frequencies
RF Output Power	1W
Transceiver Range	Approximately 1 Mile (Up to 25 miles with external antenna - see accessories)
Transmitter Data	Two DRY Contact Inputs
Relay Contacts	SPST N/O 5 amp @ 120 VAC or 50 VDC
Enclosure	ABS Plastic, NEMA 3, 3R, 4, 4X, 12, 13
Operating Temp	-40° F - +185° F

REPLACEMENT PARTS & ACCESSORIES

PC Board (Main)	460-4002
Standard Antenna (Included):	
900MHz Portable Antenna (For distances up to 1 Mile*)	49-1103
Optional Antennas and Accessories:	
900MHz Omni Directional Antenna (For distances up to 10 miles*)	49-3101
900MHz 13dB Yagi Antenna Long Range Operation (For distances up to 25 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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