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PRODUCT INFORMATION BULLETIN

AIR-EAGLE® GOLD PLUS 900 MHz RF Transceiver DUAL CONTACT INPUT / OUTPUT MODEL 48-4000-XX-120VAC

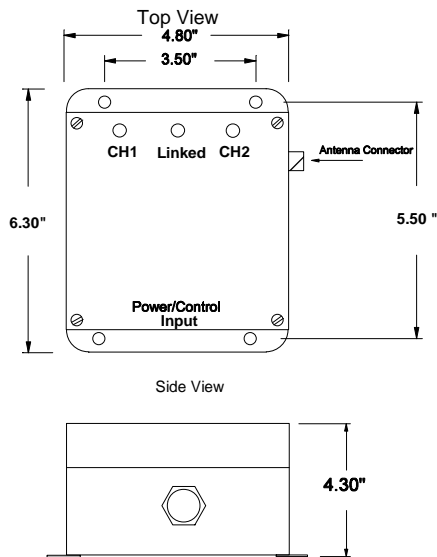
New and Improved Performance!

The Air-Eagle Gold Plus provides the same protection as the original Air-Eagle Gold but with enhanced output power. This allows for a 50% increase in overall range, while improving signal strength through and around buildings and other obstacles. These combine to maintain an even stronger "link" between transmitter and receiver.

DESCRIPTION

The AIR-EAGLE GOLD 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.

DIMENSIONS & INDICATORS

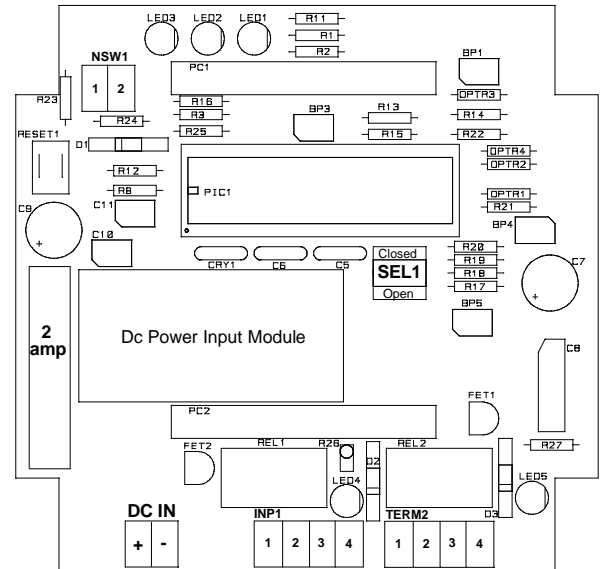


CH1 LED - RED LED illuminates continuously while the CH1 contacts are closed.

LINKED LED - GREEN LED is illuminated while the transmitter is linked with the receiver.

CH2 LED - RED LED illuminates continuously while the CH2 contacts are closed.

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	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 CONFIGURATION OPTIONS (SEL1)		
SW #	OPEN	CLOSED
SW1	Not Used	Not Used
SW2	Not Used	Not Used
SW3	Not Used	Not Used
SW4	Remote	Base

AIR-EAGLE® GOLD PLUS

900 MHz RF Transceiver
DUAL CONTACT INPUT / OUTPUT

MODEL 48-4000-XX-120VAC

SPECIFICATIONS

Power Supply	120VAC from wall adapter
Fuse Protected	2 amp
Transmit Frequency	900 MHz - 74 Channel Auto-Select
RF Output Power	1W
Transmit Range	Up to 10 miles with external antenna - see accessories)
Contact Inputs (2)	DRY Contact from external device
Relay Outputs (2)	N/O SPST 120VAC @ 3 amps max (or) 12VDC @ 4 amps max
Enclosure	Fiberglass NEMA 4, 4x, 12 + 13

ORDERING INFORMATION

Please note the "XX" in the unit's model number. When ordering systems that will be located 1 mile or more apart, the XX will be replaced by the number indicating the line of sight distance in miles from one transceiver to the other. For example, in applications where the transceivers will be located 2 miles apart, the part number for ordering would be 48-4000-2-120VAC. In applications where the transceivers will be located 14 miles apart, the part number for ordering would be 48-4000-14-120VAC

REPLACEMENT PARTS & ACCESSORIES

PC Board (Main)	48-4002-XX
Optional Transceiver Antennas:	
900MHz Omni Directional Antenna Medium Range Operation – For Ranges Up to 2 miles *	49-3101
900MHz 13.9 dB Yagi Antenna Long Range Operation – For Ranges Greater than 2 miles / Up to 10 miles *	49-3102
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.

DOCUMENT DATE: 23-Feb-05



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