



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

# PRODUCT INFORMATION BULLETIN

## AIR-EAGLE® GOLD PLUS 900 MHz RF Transmitter FOUR CONTACT INPUT MODEL 48-1400-120VAC

*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 RADIO REMOTE TX IS a four contact input transmitter designed to transmit a unique signal to the AIR-EAGLE GOLD 900MHZ RECEIVER. This model comes equipped with a terminal strip for ease of interfacing with any external **dry contact input** devices such as tilt switches, flow switches, speed switches etc.

### PC BOARD SET-UP INFORMATION

Make the following connections on the PC Board Terminal Strip:

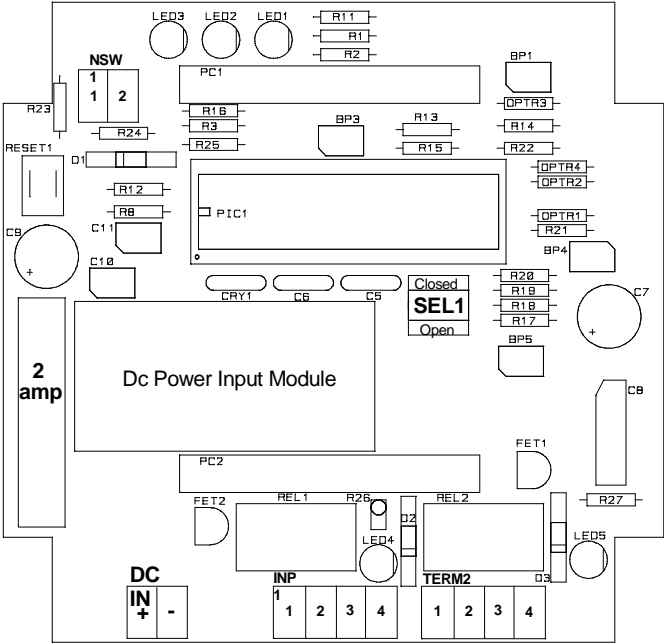
DC INPUT TERMINAL STRIP (DC IN)	
Terminal 1	Positive (+) 12VDC INPUT from 120VAC adapter
Terminal 2	Negative (-) 12VDC INPUT from 120VAC adapter

INPUT 1 TERMINAL STRIP (INP1)	
Terminal 1	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	CH3 Dry Contact Input (+)
Terminal 2	CH3 Dry Contact Input (Common)
Terminal 3	CH4 Dry Contact Input (+)
Terminal 4	CH4 Dry Contact Input (Common)

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	Not Used	Not Used

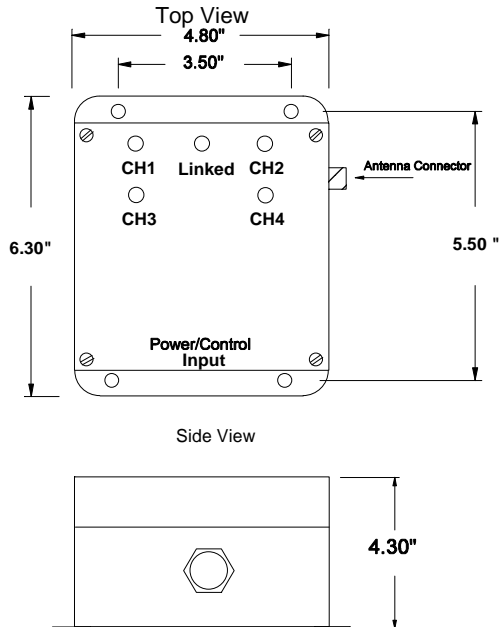


# AIR-EAGLE® GOLD

900 MHz RF Transmitter  
FOUR CONTACT INPUT

**MODEL 48-1400-120VAC**

## 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.

**CH3 LED** - RED LED illuminates continuously while the CH3 contacts are closed.

**CH4 LED** - RED LED illuminates continuously while the CH4 contacts are closed.

## 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)
Enclosure	Fiberglass NEMA 4, 4x, 12 + 13

## REPLACEMENT PARTS & ACCESSORIES

PC Board (Main)	48-1402-120VAC
Air-Eagle Gold Plus Receiver	48-5000
Replacement 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 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.

DOCUMENT DATE: 23-Feb-05



238 Pillow Street  
Butler, PA 16001  
(724) 283-4681  
Fax (724) 283-5939  
[www.bwieagle.com](http://www.bwieagle.com)