



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

PRODUCT INFORMATION BULLETIN

AIR-EAGLE® FM2 900MHz RF Transmitter MULTI CONTACT INPUT MODEL 43-1400-DC

DESCRIPTION

The model 43-1400-DC, AIR-EAGLE FM2 TX is a four contact input R.F. transmitter designed to transmit unique signals to the model 43-2000 AIR-EAGLE FM2 RECEIVER which can be located up to 1200 feet away. 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:

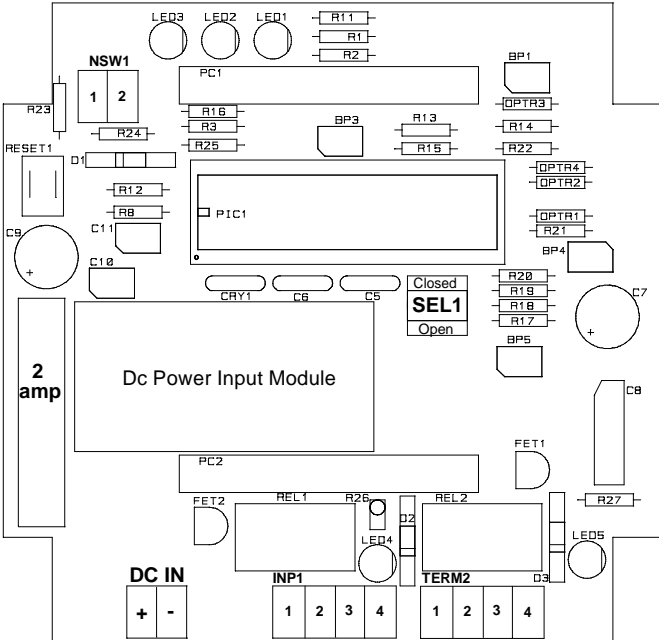
| DC INPUT TERMINAL STRIP (DC IN) | |
|---------------------------------|-----------------------------|
| Terminal 1 | Positive (+) 9-36 VDC INPUT |
| Terminal 2 | Negative (-) 9-36 VDC INPUT |

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



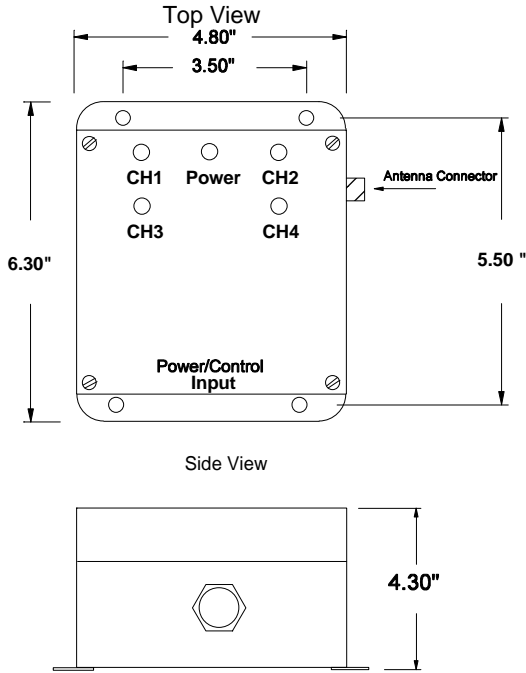
AIR-EAGLE® FM2

900MHz RF Transmitter

MULTI CONTACT INPUT

MODEL 43-1400-DC

DIMENSIONS & INDICATORS



- CH1 LED** - Red LED illuminates continuously when the contact input for Channel 1 is closed.
- POWER LED** – Green LED illuminates continuously while power is applied to the transmitter.
- CH2 LED** - Red LED illuminates continuously when the contact input for Channel 2 is closed.
- CH3 LED** - Red LED illuminates continuously when the contact input for Channel 3 is closed.
- CH4 LED** - Red LED illuminates continuously when the contact input for Channel 4 is closed.

SPECIFICATIONS

| | |
|--------------------|--|
| Power Supply | 9 – 36 VDC @ 10 Watts |
| Fuse Protected | 2 amp |
| Transmitter Data | Four DRY Contact Inputs |
| Transmit Frequency | 900MHz Spread Spectrum |
| RF Channels | Four independent network frequencies |
| RF Output Power | 4mW |
| Transmit Range | Up to 1200 feet with external antenna - see accessories) |
| Enclosure | ABS Plastic, NEMA 3, 3R, 4, 4X, 12, 13 |
| Operating Temp | -40° F - +185° F |

REPLACEMENT PARTS & ACCESSORIES

| | |
|---|--------------------------------|
| PC Board (Main) | Fill in: |
| 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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