DESCRIPTION

The Air-Eagle XLT, Model 44AN/D-5000-120VAC is an RF receiver capable of receiving one analog or voltage input signal and one dry-contact input signal from an analog / digital output transmitter. The transmitter and receiver combine to create a long range radio frequency system that monitors and operates hazardous or hard-to-reach electrical apparatus from safe, convenient locations of up to 2500 feet away. (Or longer with optional antennas) This unit is user-programmable for up to seven network frequencies to allow multiple systems to operate simultaneously in the same area without interference.

INSTALLATION

1. Mount the Air-Eagle XLT RECEIVER in a convenient location
2. Install wiring to terminal strip.
3. Install antenna onto TNC connector on side of unit.
4. Plug supplied AC wall plug adapter into 110VAC outlet.

TERMINAL STRIP WIRING

<table>
<thead>
<tr>
<th>TER1 (LEFT BLOCK)</th>
<th>TER2 (RIGHT BLOCK)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1  (-) 12VDC*</td>
<td>1  Analog Output (-)</td>
</tr>
<tr>
<td>2  (+) 12VDC*</td>
<td>2  (+) Current Output</td>
</tr>
<tr>
<td></td>
<td>3  (+) Voltage Output</td>
</tr>
<tr>
<td></td>
<td>4  N/O Relay</td>
</tr>
<tr>
<td></td>
<td>5  C Relay</td>
</tr>
<tr>
<td></td>
<td>6  N/C Relay</td>
</tr>
<tr>
<td></td>
<td>7  N/O Relay – 2nd Pole</td>
</tr>
<tr>
<td></td>
<td>8  C Relay – 2nd Pole</td>
</tr>
<tr>
<td></td>
<td>9  N/C Relay – 2nd Pole</td>
</tr>
<tr>
<td></td>
<td>10 Open Drain Output (not used)</td>
</tr>
</tbody>
</table>

*From supplied 120VAC wall plug adapter

Note #1 – Output type MUST be selected for the terminal strip wiring to take effect! (See OUTPUT OPTIONS & FREQUENCY SET-UP)

CONTROLS & INDICATORS

<table>
<thead>
<tr>
<th>POWER LED</th>
<th>Illuminates GREEN when powered on</th>
</tr>
</thead>
<tbody>
<tr>
<td>OUTPUT FAULT LED</td>
<td>Used in 4-20mA mode only – Illuminates RED when current loop open</td>
</tr>
</tbody>
</table>
OUTPUT OPTIONS & FREQUENCY SET-UP

This receiver is factory set with an analog output of 0-24mA selected and to operate on frequency #1. If you wish to change the default settings, follow the instructions using the table below:

1) Remove power from unit
2) Remove top cover.
3) Select desired output option and/or frequency using table below.
4) Reattach cover and apply power.
5) Programming is now complete.

<table>
<thead>
<tr>
<th>OUTPUT CONFIGURATION</th>
<th>SW1</th>
<th>SW2</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-24mA Output (default)</td>
<td>OPEN</td>
<td>OPEN</td>
</tr>
<tr>
<td>0-20mA Output</td>
<td>CLOSED</td>
<td>OPEN</td>
</tr>
<tr>
<td>4-20mA Output</td>
<td>OPEN</td>
<td>CLOSED</td>
</tr>
<tr>
<td>Voltage Output</td>
<td>OPEN</td>
<td>CLOSED</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SEL1 SW3 &amp; 4</th>
<th>VOLTAGE TYPE / LINK LOSS</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-10V Output (default)</td>
<td>0-5VDC Output</td>
</tr>
<tr>
<td>Link Loss 4mA (default)</td>
<td>Link Loss 20mA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FREQUENCY SET-UP</th>
<th>SW5</th>
<th>SW6</th>
<th>SW7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Network Frequency</td>
<td>OPEN</td>
<td>OPEN</td>
<td>OPEN</td>
</tr>
<tr>
<td>1 (default)</td>
<td>CLOSED</td>
<td>OPEN</td>
<td>OPEN</td>
</tr>
<tr>
<td>3</td>
<td>OPEN</td>
<td>CLOSED</td>
<td>OPEN</td>
</tr>
<tr>
<td>5</td>
<td>OPEN</td>
<td>OPEN</td>
<td>CLOSED</td>
</tr>
<tr>
<td>7</td>
<td>OPEN</td>
<td>CLOSED</td>
<td>CLOSED</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Outputs</th>
<th>One 4-20mA or voltage output (0-5 or 0-10 VDC)</th>
<th>One DPDT 2amps @120VAC or 30VDC relay output</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuse Protected</td>
<td>2 amp slow-blow</td>
<td></td>
</tr>
<tr>
<td>Safety Timer</td>
<td>15 seconds</td>
<td></td>
</tr>
<tr>
<td>AC Input</td>
<td>100-240 VAC, 16 W, 50/60 Hz from supplied wall adapter</td>
<td></td>
</tr>
<tr>
<td>Enclosure</td>
<td>Polycarbonate NEMA 4 (IP66)</td>
<td></td>
</tr>
<tr>
<td>Frequency</td>
<td>900MHz Spread Spectrum</td>
<td>7 Independent Networks</td>
</tr>
<tr>
<td>Reception Range</td>
<td>Approximately 2500 Feet w/standard antenna</td>
<td></td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-40°F to +185°F</td>
<td></td>
</tr>
</tbody>
</table>

APPROVALS

<table>
<thead>
<tr>
<th>United States (FCC)</th>
<th>MCQ-XBPS3B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada (IC)</td>
<td>1846A-XBPS3B</td>
</tr>
</tbody>
</table>

REPLACEMENT PARTS & ACCESSORIES

<table>
<thead>
<tr>
<th>PC Board (Main)</th>
<th>44AN/D-5002-120VAC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Antenna (Included):</td>
<td></td>
</tr>
<tr>
<td>900MHz Portable Antenna (For distances up to 2500 feet*)</td>
<td>49-1103</td>
</tr>
<tr>
<td>Optional Antennas and Accessories:</td>
<td></td>
</tr>
<tr>
<td>900MHz Omni Directional Antenna (For distances up to 2 miles*)</td>
<td>49-3101</td>
</tr>
<tr>
<td>900MHz 13dB Yagi Antenna Long Range Operation (For distances up to 4 miles*)</td>
<td>49-3102</td>
</tr>
<tr>
<td>Flex Coax Cable w/Connectors</td>
<td>49-4000-XX (XX = # of Feet)</td>
</tr>
</tbody>
</table>

* = 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.