The AMX-400 Addressable Loop Regenerator can be connected to a PC4020 or PC5100 module to extend the allowable wiring distance on the addressable loop. The unit isolates addressable devices, limiting the effect of short circuits. The AMX-400 can be powered from the auxiliary power of the control panel or from an independent power supply. A maximum of four AMX-400 modules can be wired in series.

**SPECIFICATIONS**
- Operating Current...40mA (plus current draw of addressable devices)
- Supply Voltage...12Vdc (min)

**COMPATIBLE CONTROL PANELS**
- PC4020 v3.0 and higher
- PC5010 v2.0 and higher (requires PC5100)
- PC5020 v3.1 and higher (requires PC5100)

**INSTALLATION**
Refer to Figure 1 for wiring details and Table 2 for the wire run chart.

1. Select a location for the AMX-400 module. Remove power from system.
2. Locate 3 mounting holes in cabinet that align with module mounting holes. Insert standoff in cabinet mounting holes and snap standoffs into place. Align module mounting holes with standoffs and snap module into place.
3. Connect the +12V DC from the power supply to the RED(+) terminal on the AMX-400. Connect the ground wire from the power supply to the BLK(-) terminal on the AMX-400.
4. Connect the incoming addressable loop to the + IN and - IN terminals of the AMX-400, observing the correct polarity.
5. Connect the outgoing addressable loop to the +OUT and -OUT terminals of the AMX-400, observing the correct polarity.
6. Power up system and perform system test.

**Table 1: Current Calculation Chart**

<table>
<thead>
<tr>
<th>Model#</th>
<th>Description</th>
<th>Quantity</th>
<th>Max. Device Current Draw (in standby mode)</th>
<th>Total Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMS-220</td>
<td>Smoke Detector</td>
<td>X</td>
<td>0.8mA =</td>
<td></td>
</tr>
<tr>
<td>AMB-300</td>
<td>PIR Motion Detector</td>
<td>X</td>
<td>0.75mA =</td>
<td></td>
</tr>
<tr>
<td>AMB-500</td>
<td>Ceiling-Mount PIR</td>
<td>X</td>
<td>0.75mA =</td>
<td></td>
</tr>
<tr>
<td>AMB-600</td>
<td>Dual PIR Detector</td>
<td>X</td>
<td>3.5mA =</td>
<td></td>
</tr>
<tr>
<td>AMA-100</td>
<td>Glassbreak Detector</td>
<td>X</td>
<td>3.5mA =</td>
<td></td>
</tr>
<tr>
<td>AMP-700</td>
<td>Magnetic Door/Window</td>
<td>X</td>
<td>0.8mA =</td>
<td></td>
</tr>
<tr>
<td>AMP-701</td>
<td>Contact Input Module</td>
<td>X</td>
<td>0.8mA =</td>
<td></td>
</tr>
<tr>
<td>AMP-702</td>
<td>Fire Point Module</td>
<td>X</td>
<td>1.1mA =</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Do not wire more than four AMX-400 modules in series from the source loop in series/parallel configurations.

**Limited Warranty**
Digital Security Controls Ltd. warrants that for a period of 12 months from the date of purchase, the product shall be free of defects in materials and workmanship under normal use and that in fulfillment of any breach of such warranty, Digital Security Controls Ltd. shall, at its option, repair or replace the defective equipment upon return of the equipment to its repair depot. This warranty applies only to defects in parts and workmanship and not to damage incurred in shipping or handling, or damage due to causes beyond the control of Digital Security Controls Ltd. such as lightning, excessive voltage, mechanical shock, water damage, or damage arising out of abuse, alteration or improper application of the equipment.

The foregoing warranty shall apply only to the original buyer, and is and shall be in lieu of any and all other warranties, whether expressed or implied and of all other obligations or liabilities on the part of Digital Security Controls Ltd. Digital Security Controls Ltd. neither assumes responsibility for, nor authorizes any other person purporting to act on its behalf to modify or to change this warranty, nor to assume for it any other warranty or liability concerning this product. In no event shall DSC Ltd. be liable for any direct, indirect or consequential damages, loss of anticipated profits, loss of time or any other losses incurred by the buyer in connection with the purchase, installation or operation or failure of this product.

**WARNING:** Digital Security Controls Ltd. recommends that the entire system be completely tested on a regular basis. However, despite frequent testing, and due to, but not limited to, criminal tampering or electrical disruption, it is possible for this product to fail to perform as expected.

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