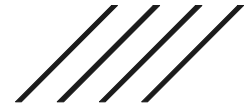


AMP-704

Point Interface Module



INSTALLATION INSTRUCTIONS

The AMP-704 Point Interface Module (PIM) allows for the connection of non-powered or externally powered hardwired devices to the Addressable Multiplex Loop (AML). The four inputs and cover tamper can be individually enrolled as zones on the control panel. The module is jumper-selectable for either N/C loops, SEOL, or DEOL resistors and input 4 can be enabled for fast loop response.

The AMP-704 PIM uses a 2-wire connection for power and to communicate with the control panel. This, in combination with low power devices, simplifies wiring and reduces installation cost. The AMP-704's low current draw also maximizes the number of modules that can be connected to an addressable loop. For more information on AML wiring, please refer to the PC4020 or PC5100 *Installation Manual*.

Specifications

Current Draw	3.4 mA (max.)
Loop resistance	100Ω (max.)
Normal loop response	375 mS
Fast loop response (input 4 only)	40 mS

Control Panel Compatibility

- PC4020 v3.0 and higher
 - PC5010 v2.0 and higher*
 - PC5015 v2.2 and higher*
 - PC5020 v3.0 and higher*
- *Requires PC5100 Addressable Expansion Module

Mounting

Select a mounting location for the AMP-704. The module should be located in a dry location and as close as possible to the points to be protected. Alternatively to the method explained below, the PCB may be mounted in a metal cabinet using the standoffs provided with the unit.

1. Remove the cover using a flat blade screwdriver to push in the tab at the bottom of the enclosure.
2. Pull the addressable loop and input wires through the wiring access holes located at the bottom of the backplate.
3. Mount the device securely to the wall using the two mounting tabs on the backplate or using the two mounting holes inside the backplate. To use the holes inside, the PCB must first be removed. To do this, remove the 3 screws holding the PCB and lift it out.

Caution: When replacing the PCB, do not over-tighten the screws as the PCB could be damaged.

Note: If the mounting tabs are not being used to mount the device, they can be broken off.

4. Wire the module and configure the jumpers as per the instructions below.
5. Replace the cover and insert the cover screw.

Wiring

To connect the AMP-704, consult the wiring diagram below

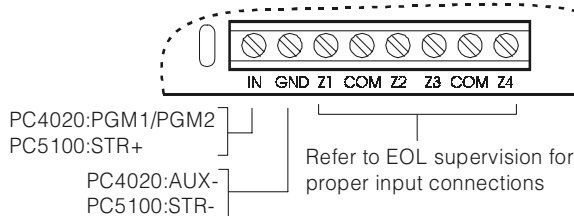
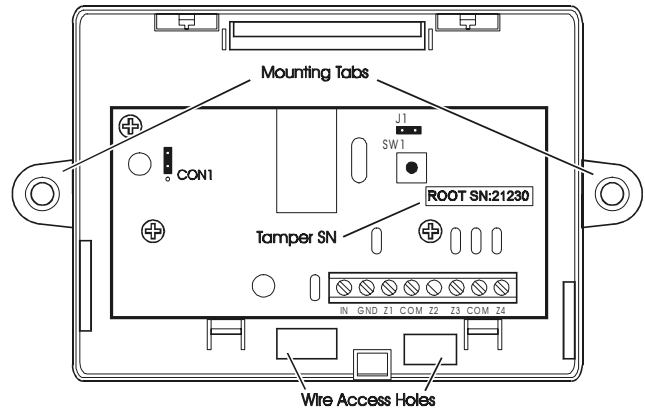


Figure 1 AMP-704

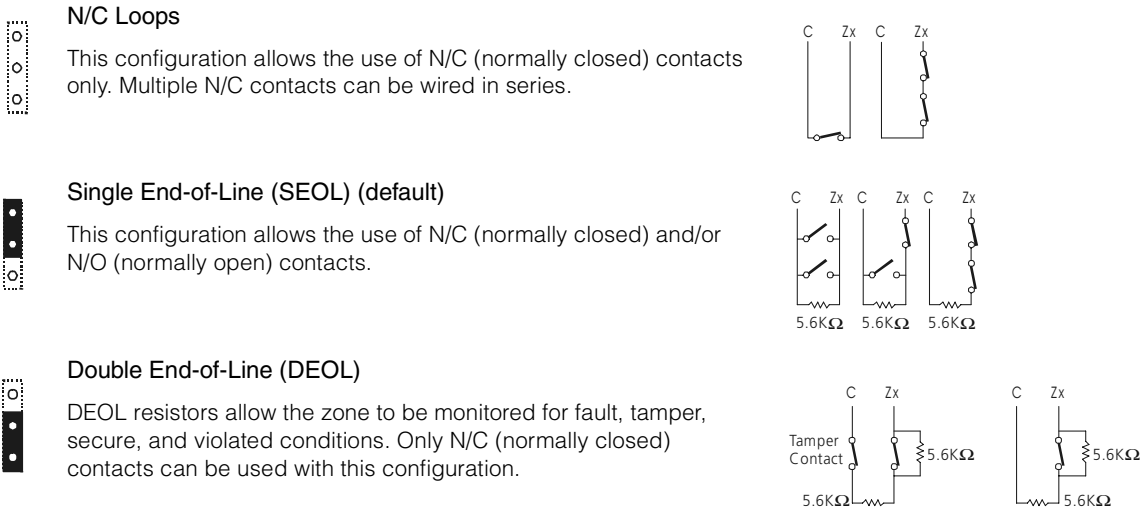


CAUTION: Connect only DSC addressable devices to the addressable loop connections. Connection of any other type of device will impair operation. Any devices other than addressable devices that require power to operate must be powered separately.

Jumper Settings (refer to figure 1)



There are two jumpers located on the AMP-704 PIM that are used to configure the EOL supervision and loop response for input 4.

EOL Supervision (CON1)



Input 4 Loop Response (J1)

The J1 jumper is used to select the loop response for input 4 on the AMP-704 module. The normal loop response for all inputs is 375 mS and the fast loop response is 40 mS.

-  **J1 ON** - Input 4 set for fast loop response
-  **J1 OFF** - Input 4 set for normal loop response (default)

Enrolling Inputs

The AMP-704 has a total of 5 serial numbers (SNs), 1 for the cover tamper and 1 for each of the 4 inputs. The serial numbers can be found on the inside of the front cover. Each serial number can be enrolled individually into the control panel via Installer Programming ([*][8][Installer Code]). This procedure is outlined in the PC4020 *Installation Manual* and in the PC5100 *Installation Manual* for PowerSeries panels.

NOTE: The AMP-704 serial numbers do not need to be enrolled as consecutive zones in the system.

The module is shipped with a separate label pack with individual SN stickers that can be easily inserted into the *Installation Manual* for recording purposes. If required, the serial numbers can be determined from the tamper serial number (ROOT SN) located on the printed circuit board. This 5-digit number begins with the digit 2 and ends with the digits 0 or 5. The 4 input serial numbers are numbered in sequence from the tamper serial number. For example, If the root serial number is 21230 then the serial number for inputs 1 through 4 will be 21231, 21232, 21233 and 21234.

Limited Warranty

DSC warrants that for a period of one year from the date of purchase, the product shall be free of defects in material and workmanship under normal use and that in fulfillment of any breach of such warranty, DSC 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 materials and workmanship and not to damage incurred in shipping or handling, or damage due to causes beyond the control of DSC, such as lightning, excessive voltage, mechanical shock, water damage or damage arising out of abuse, alteration or improper application of the product.

The foregoing warranty shall apply only to the original purchaser, 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 DSC. This warranty contains the entire warranty. DSC 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 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.

Important!

DSC 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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