
Digital Security Controls

Publications Cover Sheet

Part Number:29005804

Revision:R003

Release Number: 4395

Notes: AML-900 references removed

Description: AML-770 Loop Isolator Installation
Sheet -en

Type: 33-01 8.5 x 11 White (Paper)

Pieces: 1

Printing Instructions: Master Size: 8.5 X 11
Number of Sheets in Master: 2
2 - Sided Printing
Cover Printing Not Required
Finishing: Signature Booklet
Note: Booklets more than 10 sheets
must be trimmed.

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 buyer, 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 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.



AML-770 Loop Isolator

Installation Instructions

The AML-770 loop isolator provides short circuit isolation for devices on an AML loop. In the event of a short circuit, the loop isolator will open the positive side of the loop, isolating all devices connected between it and the next AML-770 loop isolator. When the short circuit condition is removed, the isolator will automatically return to normal operation. A red LED on the isolator flashes at 10 second intervals to indicate normal operation (no short). During a shorted condition, the LED stays on (not flashing) until the short is removed.

SPECIFICATIONS

Voltage	2VDC (nominal)
Current	Normal Mode - 300µA / Isolation Mode - 10mA
Short Circuit Detection	2.0 to 3.0VDC (2.5VDC nom.)
Current Capacity	1.5A (max.)
Temperature	0°-49°C (32° - 120°F)
Humidity	0 to 93% RH, non-condensing

Models

- AML-770 A
- AML-770 B
- AML-770 C

Compatible Control Panels

- PC4010/4020
- PC4010CF/4020CF
- P-864/P-16128
- P-864CF/P-16128CF

Class B/Style 4 Operation

In Class B/Style 4 configuration, one AML-770 loop isolator is used on each detector branch. A short circuit condition on one branch will isolate that branch, leaving the remaining branches in operation. A maximum of 25 detectors may be connected to each branch.

Note: For ULC Listed applications, use only on the addressable burglary loop of compatible control panels (indicated above).

AML-770 LOOP ISOLATOR

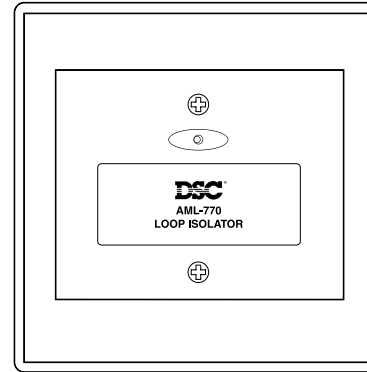
Installation Instructions

The AML-770 loop isolator mounts in a standard 2 gang electrical junction box or a 4 inch junction box.

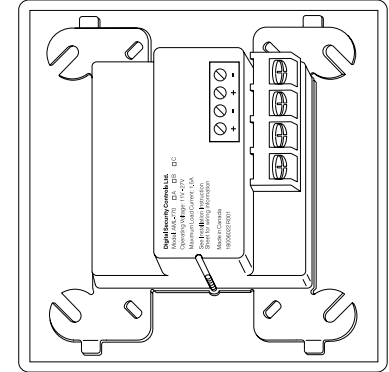
Refer to the accompanying illustrations

1. Wire system as required for Class B/Style 4 as indicated.
CAUTION: Do NOT use looped wire under detector terminals. Break wire run to provide supervision of connections.
2. Route AML loop wiring through the junction box. Connect the 4 wires to the terminals on the PC Board.
3. Position the module on the junction box and secure module to the junction box with the screws provided.
4. Align the cover over the module using the two screw holes as a guide. Secure cover to module with the screws provided
5. Perform system test to verify correct wiring.

AML-770
Front View



AML-770
Rear View



Typical ClassB / Style 4 Wiring

