

## 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 purchaser 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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# INSTALLATION INSTRUCTIONS



## AML-760 Output Module

The AML-760 output module can be configured as follows:

- Notification Alarm Zone for Horns/Strobes - 24 Vdc
- Notification Alarm Zone for Speakers - 25 or 70 VRMS
- Class C Relay - 30VDC/2A

A red LED on the module flashes at 20 second intervals to indicate normal operation (no troubles). During a 'Trouble' condition, the LED flashes at 8 second intervals until the trouble is restored. During an 'Alarm' condition, the LED flashes at 2 second intervals until the alarm is restored.

## SPECIFICATIONS

- Voltage: 11 to 27Vdc ( 24Vdc NOM)
- Current:  
Normal Mode - 900µA (NOM)  
LED On - 3.2mA
- Output Current: 1.8A Power Limited
- Low Voltage Indication: 10.35Vdc (NOM)
- Relay:  
Contact Rating - 30Vdc/2A  
Coil Current - 33mA
- Temp: 0°-49°C (32° - 120°F)
- Humidity: 0 to 93% RH, non-condensing

### Models

- AML-760A
- AML-760B
- AML-760C

### Compatible Control Panels

- CFP-900

## Notification Alarm Zone - Horns and Strobes

This configuration can be wired for Class A/style Z or Class B/style Y. The input is from an external, power limited 24 Vdc source. The AML-760 supervises the 24 Vdc input voltage. If this voltage is lost, the module signals the control panel via the SLC.

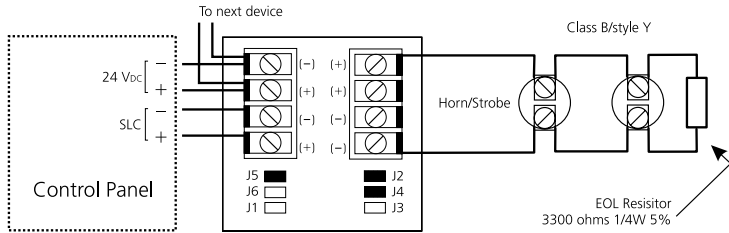
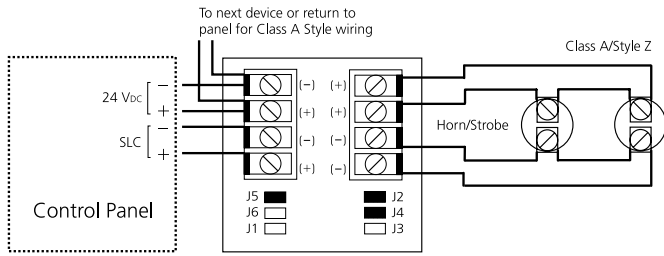
## Notification Alarm Zone - Audio/NAC

This configuration can be wired for Class A/Style Z or Class B/Style Y. The input source can be either 25 or 70 VRMS audio signal from an external amplifier or a +24 Vdc signal. Supervision of the input power is provided by the panel.

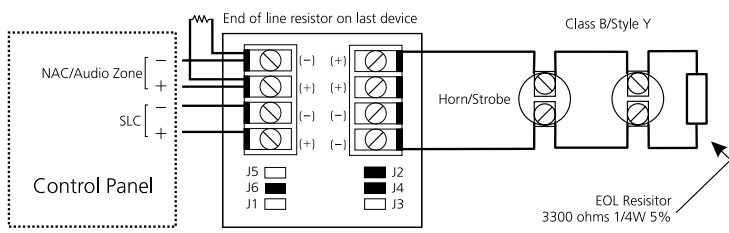
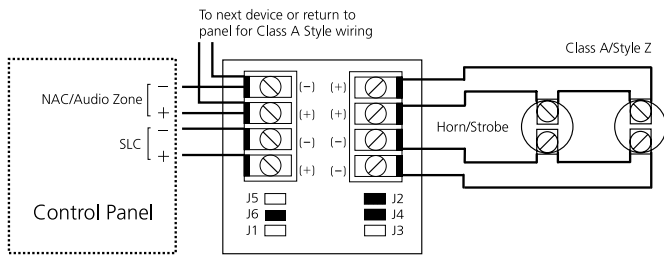
## Relay Configuration

When configured as a Form 'C' Relay, a control signal from the AML loop switches the relay. Normally open, normally closed contacts and common are available for external switching.

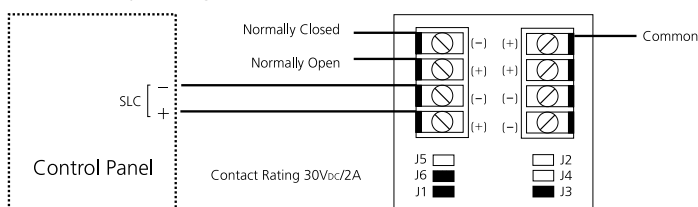
Input: 24Vdc Unsupervised by source



Input: Supervised NAC/audio zone



Form C Relay Configuration



## Installation

The AML-760 output module mounts in a standard 2 gang electrical junction box, 4 inch junction box or an AML-900 surface mounted box.

Refer to the accompanying illustrations.

1. Wire system in the configuration required. Install jumpers as indicated.

### CAUTION

**Do NOT use looped wire under terminals. Break wire run to provide supervision of connections. External power supplies must be power limited and UL approved.**

2. Route SLC loop wiring through the junction box. Connect 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 'Operation Test' to verify correct operation.

## Wire Run Chart

Load Current mA	*Distance		AWG
	Feet	Meters	
1000	153	46	18
	243	74	16
	389	118	14
	617	188	12
700	219	66	18
	348	106	16
	555	170	14
	881	268	12
500	304	92	18
	487	148	16
	778	237	14
	1234	376	12
100	1536	468	18
	2439	743	16
	3891	1185	14
	6172	1881	12

\*Maximum wire length to last horn/strobe on loop

**OPERATION TEST**

To test the unit, place a magnet in the test area of the face plate (see illustration below). The module will go into 'Trouble' mode and transmit a 'Trouble' condition to the control panel. Remove the magnet to resume normal operation.

