

#### Features

- Supports “Fully Supervised” Operation
- Provides short circuit isolation
- Support for 24 VDC or 25 VAC NACs
- Up to 2 Insuite device circuits per 4905-9996CA
- Fully compatible with standard (non Insuite-dedicated) NACs
- Style Z (Class B) NAC compatibility
- Compatible with 4901 Series Insuite Silenceable Devices; refer to data sheet S4901-0015 for additional information
- For surface mounting in a 4  $\frac{11}{16}$ ” electrical box, cover is included

#### Description

The 4905-9996CA Insuite Device Distribution Module is an integral part of providing a robust and cost effective solution to meet audible appliance requirements for dwelling units as specified in various building codes.

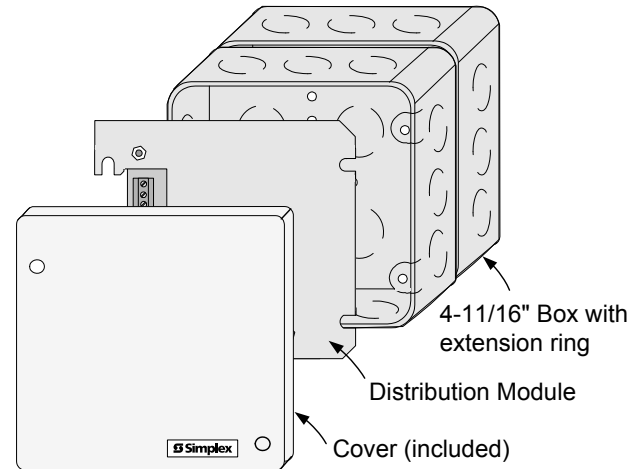
The unit is designed to comply with requirements that ensure any tampering with insuite devices (including open circuit, grounded circuit, or short circuit) will not affect the operation of any other devices located in other suites.

The 4905-9996CA accepts input from a Fire Alarm NAC, connects to Simplex® 4901 Series Insuite Silenceable devices located in the suites, and has an output back to the Fire Alarm NAC. The 4905-9996CA is usually field mounted, as they are housed in 4-11/16” square electrical boxes. Depending upon which building code compliance is required, the insuite device circuits are run from the 4905-9996CA in either Class “A” or Class “B” configurations.

The 4905-9996CA connects to a 24 VDC or 25V Audio NAC and provides full supervision beyond the distribution module.

#### Additional Reference

Refer to Installation Instructions 579-1008 for additional information.



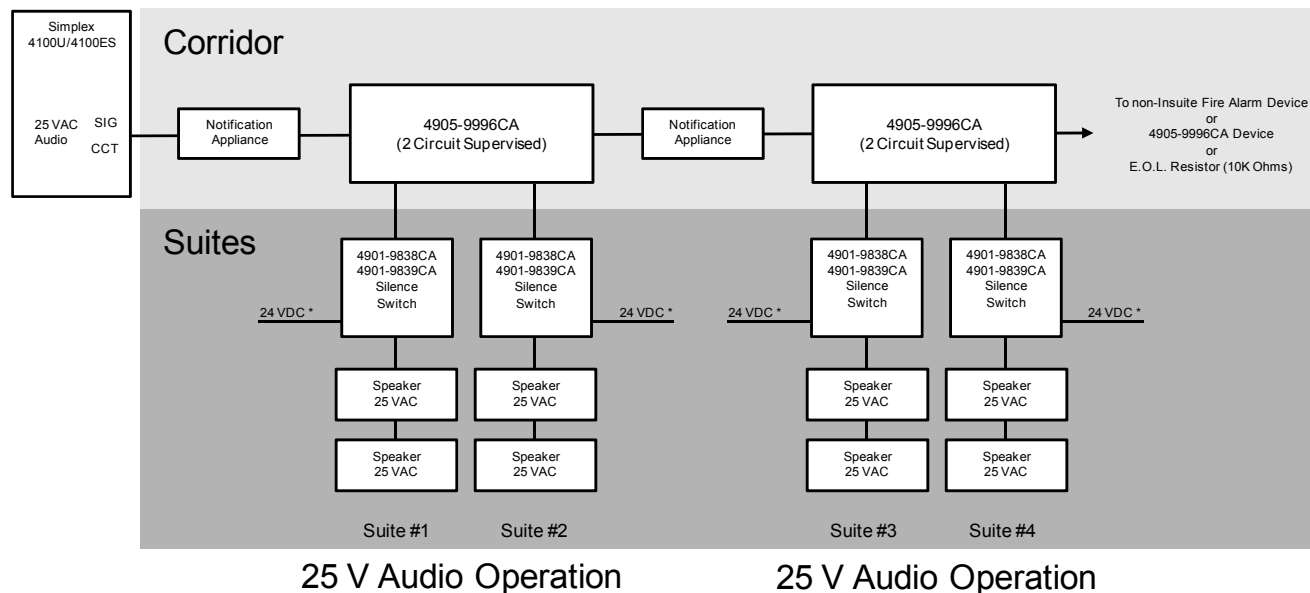
4905-9996CA Insuite Device Distribution Module  
Installation Reference  
(box and extension ring are supplied separately)

#### Specifications

DC Voltage	24 VDC Regulated
DC Current	250 mA
RMS Voltage	25 VRMS
RMS Current	170 mA
# of Insuite Silence Devices Per Distribution Module	2
Quantity of Distribution Modules per Fire Alarm NAC	10
Maximum Load Per Suite	2 Watts @ 25 VRMS or 80 mA @ 24 VDC
Electrical Box Requirements	4 $\frac{11}{16}$ ” square box, 2 $\frac{1}{8}$ ” deep with 1 $\frac{1}{2}$ ” extension ring
Cover Dimensions	4 $\frac{15}{16}$ ” (125 mm) square
Wire Connections	Screw terminals for input and output wiring, 18 to 14 AWG wire (0.82 mm <sup>2</sup> to 2.08 mm <sup>2</sup> )

\* Listings and approvals under Simplex Time Recorder Co. are the property of Tyco Fire Protection Products.

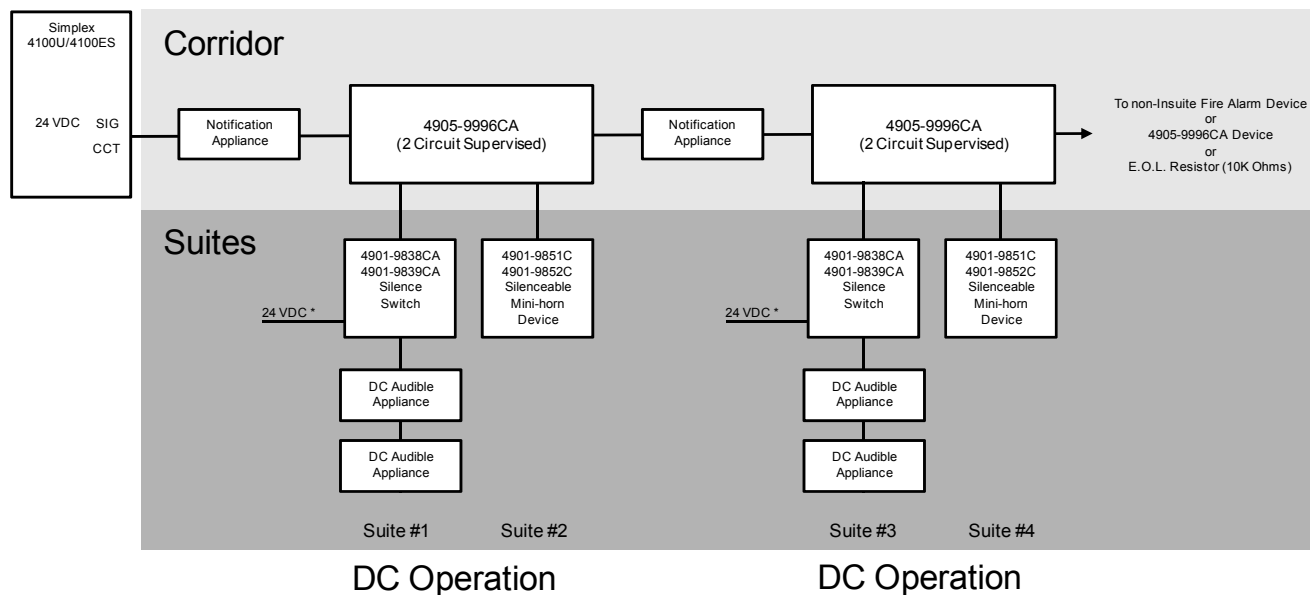
## 25V Audio Application Using Distribution and Insuite Silence Modules Class B Supervision



\* When the 4901-9838CA/4901-9839CA silence switch is used in conjunction with slave speakers, this 24 VDC power source provided by the Fire Alarm Control Panel must be interrupted during use of the fire alarm microphone.

This diagram provides an applications overview, not all wiring is shown. For detailed wiring connection information refer to Installation Instructions 579-1008 (Distribution Modules) and 579-1009 (Insuite Silenceable Devices). Note: The 4905-9996CA does not accept an input from a 70V Audio NAC.

## DC Application Using Distribution and Insuite Silence Modules Class B Supervision



This diagram provides an applications overview, not all wiring is shown. For detailed wiring connection information refer to Installation Instructions 579-1008 (Distribution Modules) and 579-1009 (Insuite Silenceable Devices).

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