

Features

**Provides Temporal Code 4 (TC4) NAC (Notification Appliance Circuit) control for Carbon Monoxide (CO) gas warning:**

- The TC4 CO gas warning is a repeated sequence of four cycles of 100 msec on with 100 msec off, followed by 5 seconds off per NFPA 720, *Standard for the Installation of Carbon Monoxide (CO) Warning Equipment in Dwelling Units*
- Compatible appliances includes: CO Sounder Bases 4098-9771, 4098-9798 and 4098-9773; 4901-9820 Horn (set for free-run), 49CMT Series multi-tone Horns (set for free-run Horn tones) and 4903 Series 4-wire A/V appliances Horn input (*not compatible with SmartSync horn control appliances*)

**Compatible Simplex equipment NAC sources:**

- 4007ES Hybrid, 4010ES, 4100U, and 4100ES NAC outputs
- 4009 IDNet NAC Extender NAC outputs

**Note:** Each module requires an input NAC that powers the 3A rated output NAC for control of compatible audible notification appliances only. (*not for strobes*)

**Selectable operation modes:**

- Synchronized operation facilitates a separate and dedicated control NAC to both activate and synchronize the Temporal Code 4 output timing of up to 20, 4905-9835 modules.
- Unsynchronized operation also facilitates the separate and dedicated control NAC to activate the Temporal Code 4 output timing of up to 20, 4905-9835 modules, but without synchronization between the modules.
- Stand-Alone operation facilitates the input NAC in alarm to activate Temporal Code 4 timing for NACs dedicated for CO gas alarm; no fire alarm signals are available, no control NAC is used.

**Note:** For both Synchronized and Unsynchronized modes, when the control NAC is off, the module output NACs will follow the fire alarm signals of the input NAC.

**Note:** For TC4 output, both the input NACs and the control NACs requires a Steady On signal.

**Compact, sealed construction:**

- Mounts a standard 4 in. square electrical box
- Compatible with Adapter Plate 4090-9813 to fit 4 11/16 in. (119 mm) square electrical boxes
- Screw terminals for wiring connections

**Listed to UL 864 and ULC S527**

Description

**CO gas alarm warnings**

CO gas alarm warnings are different to fire alarm warnings. In the event of a CO gas alarm, a Temporal Code 4 audible pattern signals the type of condition to the responders and helps them determine the proper action.

**CO gas alarm, or fire alarm**

Use of the 4905-9835 Temporal Code 4 Module facilitates the NFPA 720 Temporal Code 4 signal to generate using a standard Steady On audible appliance NAC input. Under the fire alarm panel's control, the audible notification signal is selected for a conventional fire pulse pattern for a fire alarm condition.

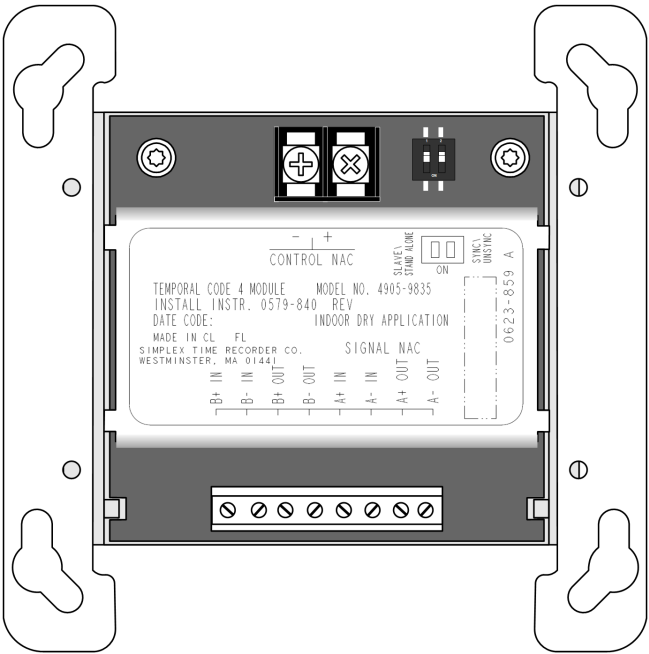


Figure 1: 4905-9835 Temporal Code 4 Module

Specifications

Table 1: Specifications

Specification	Rating
NAC Control	For 24 VDC NACs, up to 3 A maximum, limited by input NAC rating; for control of audible notification appliances compatible with TC4 code pulse duty cycle
Input NAC Current Requirements	Supervisory current = 0.18 mA Alarm current = 15 mA
Control NAC Current Requirements	Supervisory current = 0 mA Alarm current = 3 mA
Mounting Distance to Input NAC Source	Mount close-nipped, 20 ft (6 m) maximum distance
Wire Connections	Screw terminals for in/out wiring, 18 AWG to 12 AWG wire (0.82 mm <sup>2</sup> to 3.31 mm <sup>2</sup> )
Dimensions	4 in. H x 4 1/8 in. W x 1 3/8 in. D (102 mm x 105 mm x 35 mm)
Mounting Plate Material	Sheet metal, galvanized
Temperature Range	32°F to 120°F (0°C to 49°C) (This device is intended for indoor operation)
Humidity Range	Up to 93% RH at 100°F (38°C)

\* This product has been approved by the California State Fire Marshal (CSFM) pursuant to Section 13144.1 of the California Health and Safety Code. See CSFM Listing 7300-0026:328 for allowable values and/or conditions concerning material presented in this document. This product was not accepted by MEA (NYC) as of document revision date. Additional listings may be applicable; contact your local Simplex product supplier for the latest status. Listings and approvals under Simplex Time Recorder Co. are the property of Tyco Fire Protection Products.

## System Connection Reference

This figure shows a system connected with the 4905-9835 Temporal Code 4 (TC4) Module and notification appliances (the examples shown are the 4901-9820 Horn and the 4903 Series 4-wire A/V Horn).

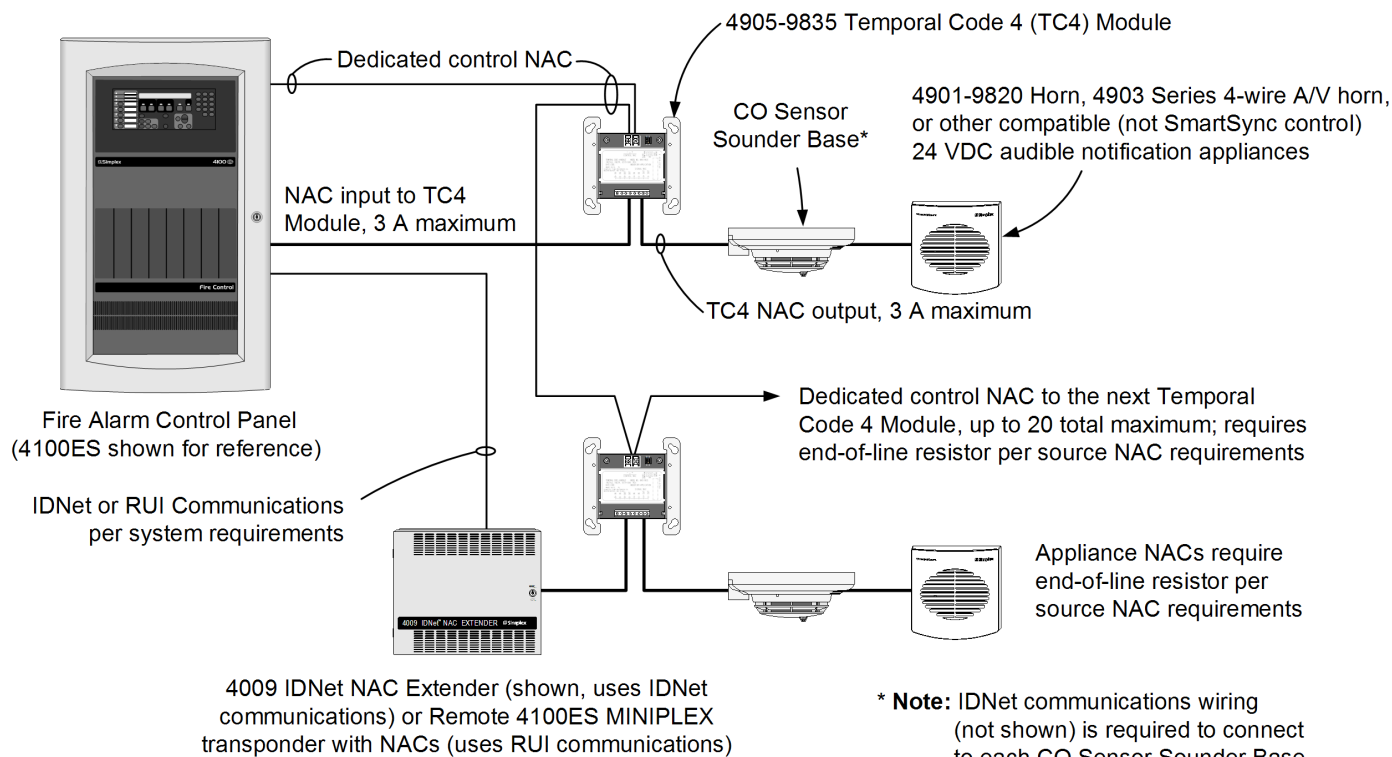


Figure 2: System Connection Reference

## Mounting Reference

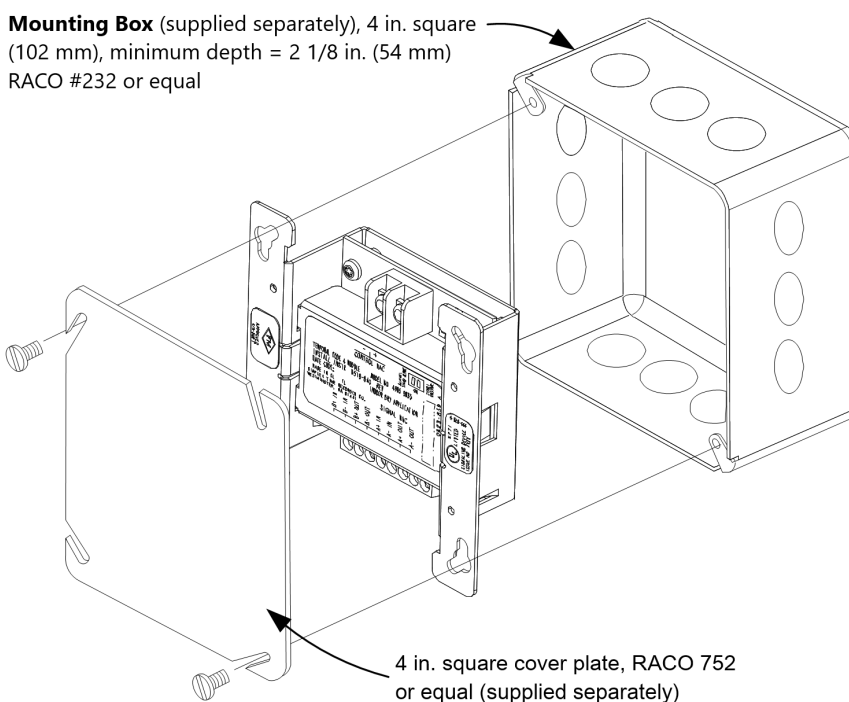


Figure 3: Mounting Reference

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**Additional Reference****Table 2: Additional Reference**

<b>Document</b>	<b>Description</b>
<i>579-840</i>	Installation Instructions
<i>S4098-0052</i>	CO Sensor Base data sheet
<i>S4100-0031</i>	4100ES Basic Reference
<i>S4007-0001</i>	4007ES Hybrid data sheet
<i>S4010-0004</i>	4010ES Control Panel
<i>S4901-0010</i>	4901-9820 Horns
<i>S4903-0011</i>	4903 Series 4-wire A/Vs
<i>S49CMT-0001</i>	49CMT Series Multi-Tone Horns

