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.

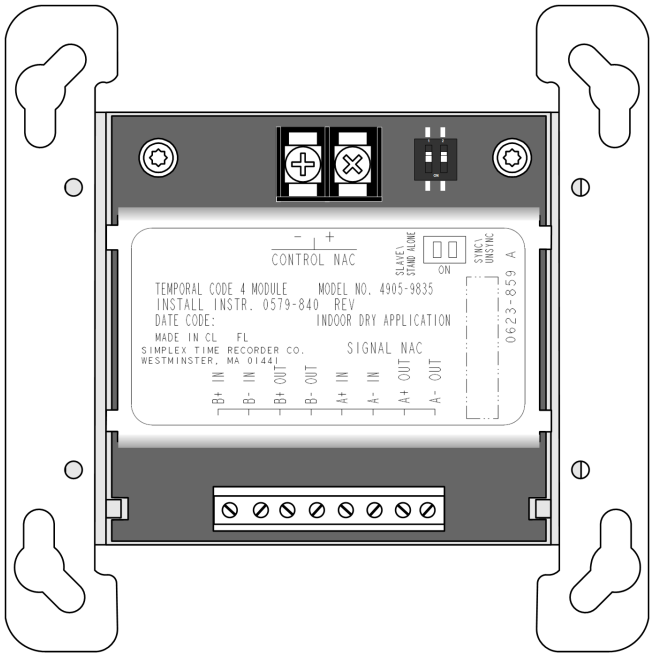


Figure 1: 4905-9835 Temporal Code 4 Module

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-nippled, 20 ft (6 m) maximum distance
Wire Connections	Screw terminals for in/out wiring, 18 AWG to 12 AWG wire (0.82 mm^2 to 3.31 mm^2)
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).

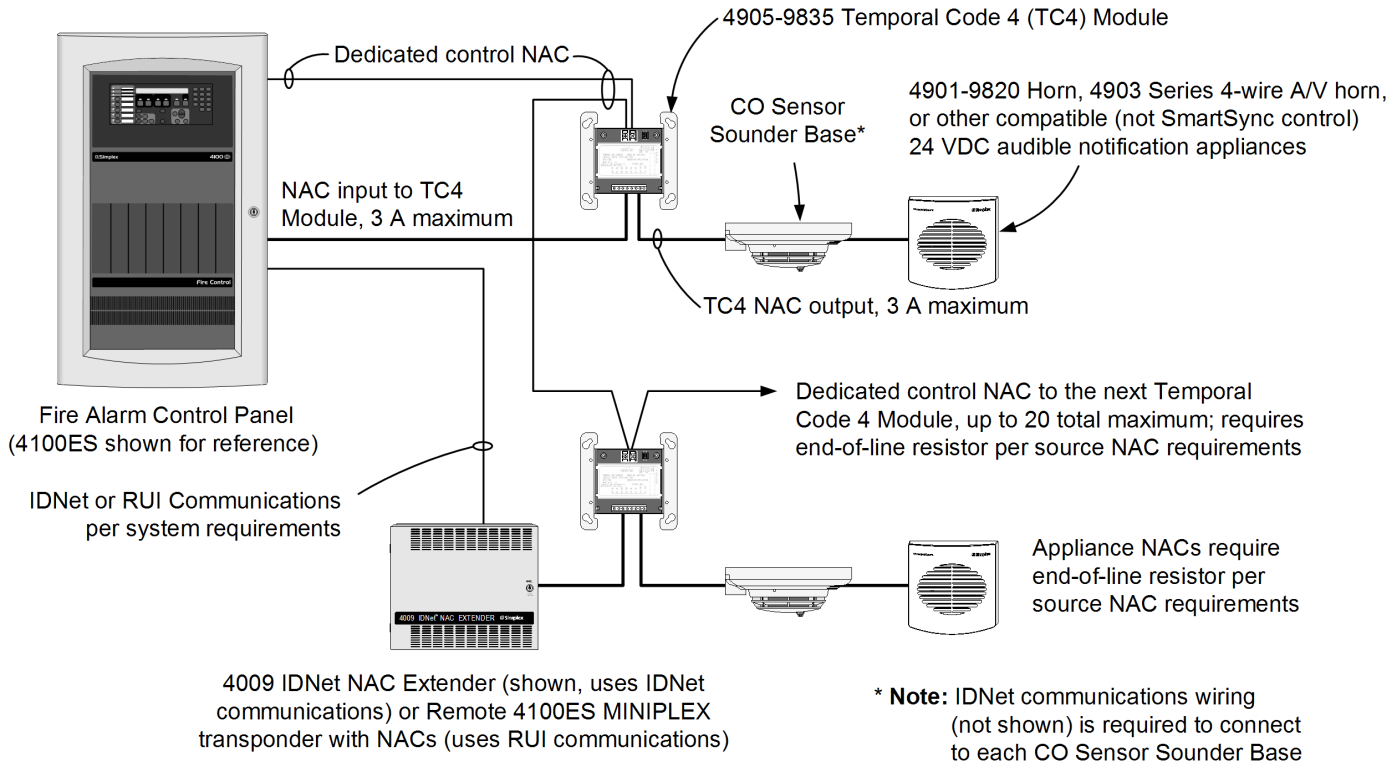


Figure 2: System Connection Reference

Mounting Reference

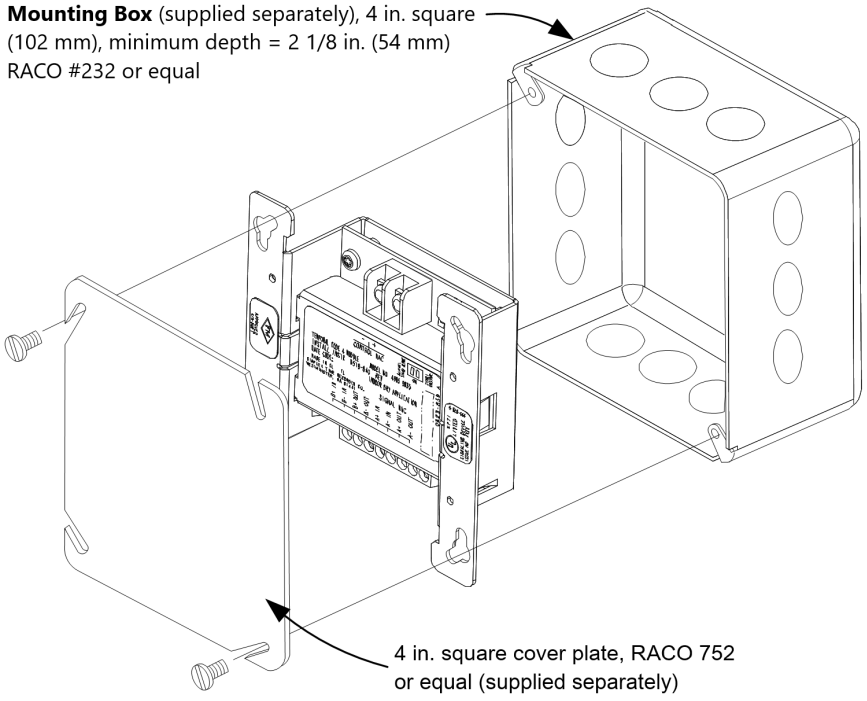


Figure 3: Mounting Reference

Additional Reference

Table 2: Additional Reference

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

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