

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 A4098-9771, A4901-9820 Horn (set for free-run), A49CMT Series multi-tone horns (set for free-run horn tones), and A4903 Series 4-wire A/V appliances horn input (*not compatible with SmartSync horn control appliances*)

Compatible Autocall equipment NAC sources:

- 4007ES Hybrid, 4010ES, and 4100ES NAC outputs
- 4009 IDNet NAC Extender NAC outputs
- Each module requires an input NAC that powers the 3A rated output NAC for control of compatible audible notification appliances only (*not for strobes*)

Three selectable operation modes:

- Synchronized operation allows a separate and dedicated control NAC to both activate and synchronize the Temporal Code 4 output timing of up to 20, A4905-9835 modules
- Unsynchronized operation also allows the separate and dedicated control NAC to activate the Temporal Code 4 output timing of up to 20, A4905-9835 modules, but without synchronization between the modules
- Stand-Alone operation allows 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
- 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 in standard 4" square electrical box
- Compatible with Adapter Plate A4090-9813 to fit 4 11/16" (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 required to be different from fire alarm warnings. In the event of a CO gas alarm, the presence of a Temporal Code 4 audible signal pattern identifies the type of condition to the responders to assist in determining the proper actions to be taken.

CO gas alarm, or fire alarm.

Use of the A4905-9835 Temporal Code 4 Module allows the NFPA 720 Temporal Code 4 signal to be generated using a standard Steady On audible appliance NAC input. Under the fire alarm panel's control, the audible notification signal can be selected for a conventional fire pulse pattern for a fire alarm condition, or the Temporal Code 4 pattern can be activated for a CO gas alarm condition.

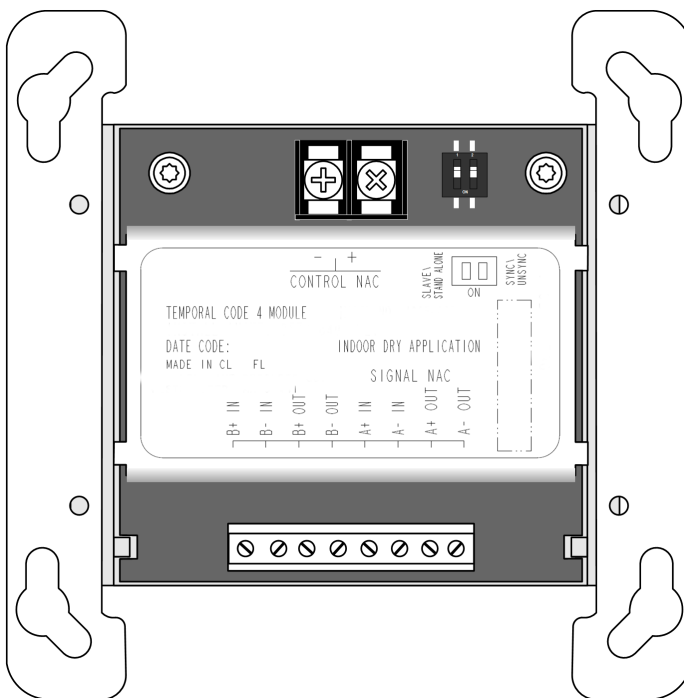


Fig 1: A4905-9835 Temporal Code 4 Module

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 to 12 AWG wire (0.82 to 3.31 mm ²) |
| Dimensions | 4" x 4 1/8" x 1 3/8" D (102 mm x 105 mm x 35 mm) |
| Mounting Plate Material | Sheet metal, galvanized |
| Temperature Range | 32° to 120° F (0° to 49° C), intended for indoor operation |
| Humidity Range | Up to 93% RH at 100° F (38° C) |

System Connection Reference

This illustration is a system connection reference, using the A4905-9835 Temporal Code 4 (TC4) Module and notification appliances (the examples shown are the A4901-9820Horn and the A4903 Series 4-wire A/V horn).

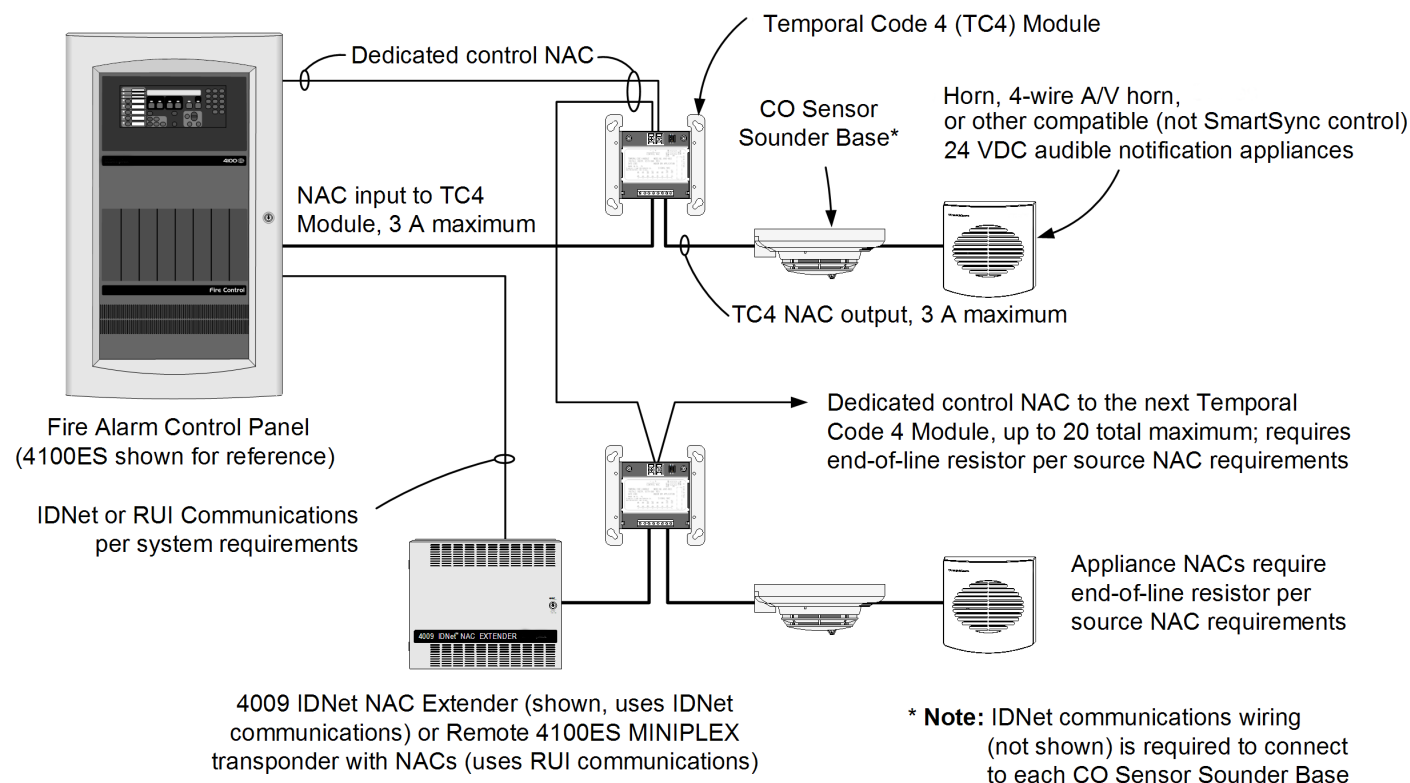


Fig 2: System Connection Reference

Mounting Reference

Mounting Box (supplied separately), 4" square (102 mm), minimum depth = 2-1/8" (54 mm), RACO 232 or equal

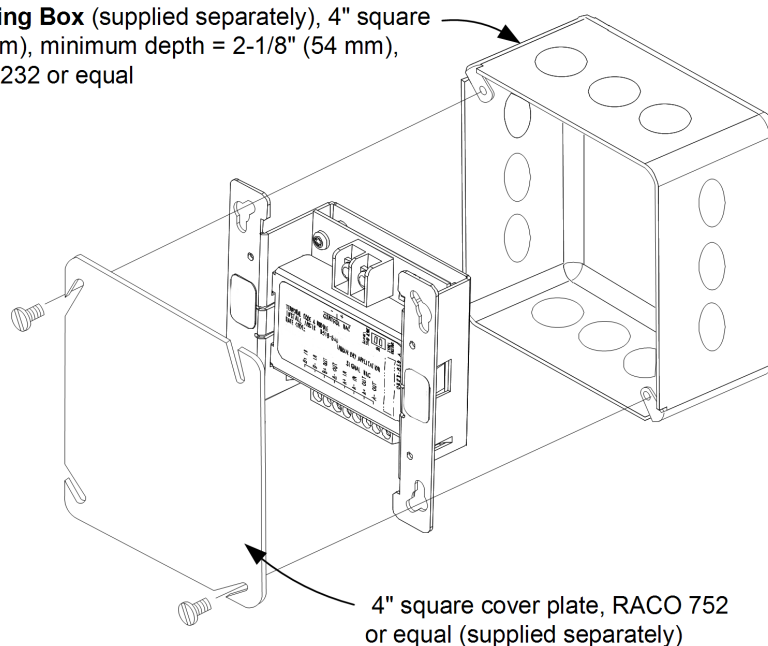


Fig 3: Mounting Reference

Additional Reference**Table 2: Additional Reference**

| Document | Description |
|--------------|--------------------------------|
| 579-840AC | Installation Instructions |
| AC4098-0052 | CO Sensor Base data sheet |
| AC4100-0031 | 4100ES Basic Reference |
| AC4007-0001 | 4007ES Hybrid data sheet |
| AC4010-0004 | 4010ES Control Panel |
| AC4901-0010 | A4901-9820 Horns |
| AC49CMT-0001 | A49CMT Series Multi-Tone Horns |

