

Axis^{AX}

Firefighter Phone System2 System Firefighter Phone Assemblies

The CAV-TEL2-MCCS and CAV-TEL2-MCCS/P are assemblies that include a firefighter phone, phone enclosure and interface module.

The difference between the CAV-TEL2-MCCS and CAV-TEL2-MCCS/P is that the CAV-TEL2-MCCS/P includes a push-to-talk firefighter phone. Both assemblies interface the Firefighter Phone System2 command center telephone with the Advanced CAV-TEL2-RISE riser module.

Both the Advanced C-CCM-01-ID2 (3x3 command center) and C-CCM-02-ID2 (3x5 command center) inner doors can support a CAV-TEL2-MCCS[/P] assembly, mounted in the bottom left side double aperture.



Features

- Compatible with Axis AX Series Command Centers
- Class B Supervised Interface Wiring
- Up to Two (2) CAV-TEL2-MCCS[/P] per Riser Module
- Standard or Push-to-Talk integral phone

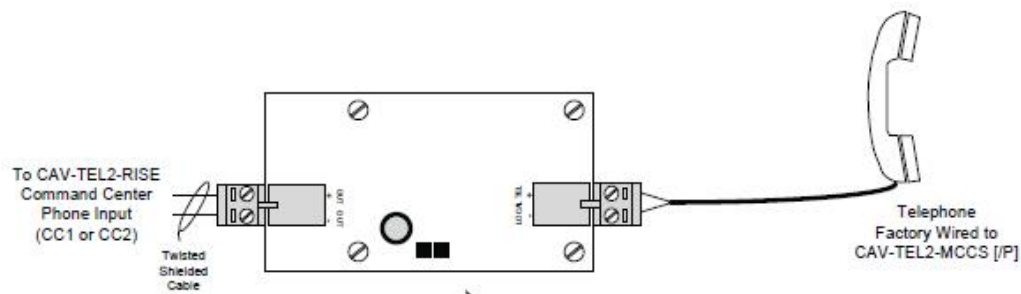
Ratings

- All Circuits Power Limited
- Terminals support 12-22 AWG Wire

Listings and Approvals

- CAN/ULC-S527-11 and CAN/ULC-S559-13 Listed:
100780709NYM-001

Wiring Diagram



Order Codes and Options

CAV-TEL2-MCCS	Command Center Firefighter Phone Assembly with Standard Phone
CAV-TEL2-MCCS/P	Command Center Firefighter Phone Assembly with Push-to-Talk (PTT) Phone

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Firefighter Phone System2 Telephone Riser

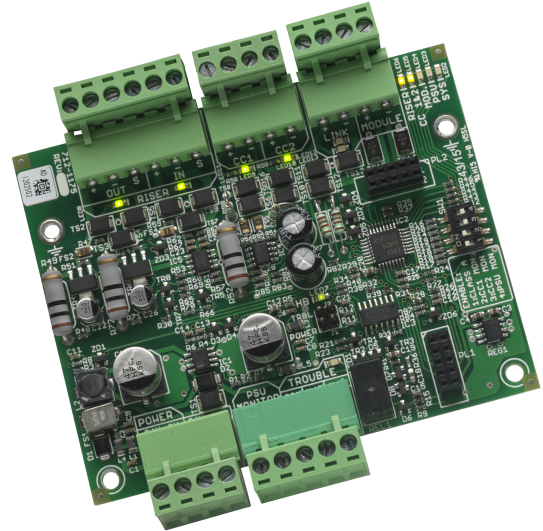
The CAV-TEL2-RISE module is an Advanced telephone riser module that can be mounted in an Axis AX command center (fire alarm command center or firefighter phone node) or in a dedicated enclosure with/without integral power supply charger (AXM-009, CAV-TEL2-CAB or CAV-TEL2-REM). The CAV-TEL2-RISE module provides a single Class X(A) or B telephone riser that can support up to 250 master addressable firefighter emergency phones. In addition, the CAV-TEL2-RISE module can support up to two command center firefighter phones (CAV-TEL2-MCCS [P]).

A maximum of five (5) firefighter phones (any combination of master addressable firefighter emergency phones, secondary firefighter emergency phones or conventional firefighter phone jacks) and one command center firefighter phone can be active at the same time on an Advanced Firefighter Phone System2.

If more than 250 master addressable firefighter emergency phones or the installation requires more than one (1) firefighter telephone riser, an additional CAV-TEL2-RISE module can be installed, providing a maximum of 500 master addressable firefighter emergency phones.

All supervision/trouble monitoring of the CAV-TEL2-RISE telephone riser is accomplished through each master addressable firefighter emergency phone. Between the CAV-TEL2-RISE module and the master addressable firefighter emergency phones, built-in short circuit isolation allows the telephone riser circuit to operate with a single short circuit.

When used in conjunction with the optional CAV-TEL2-PPB plug-in page board, the CAV-TEL2-RISE module can be interfaced to an Advanced Axis AX audio product providing field firefighter phone paging via command center control.



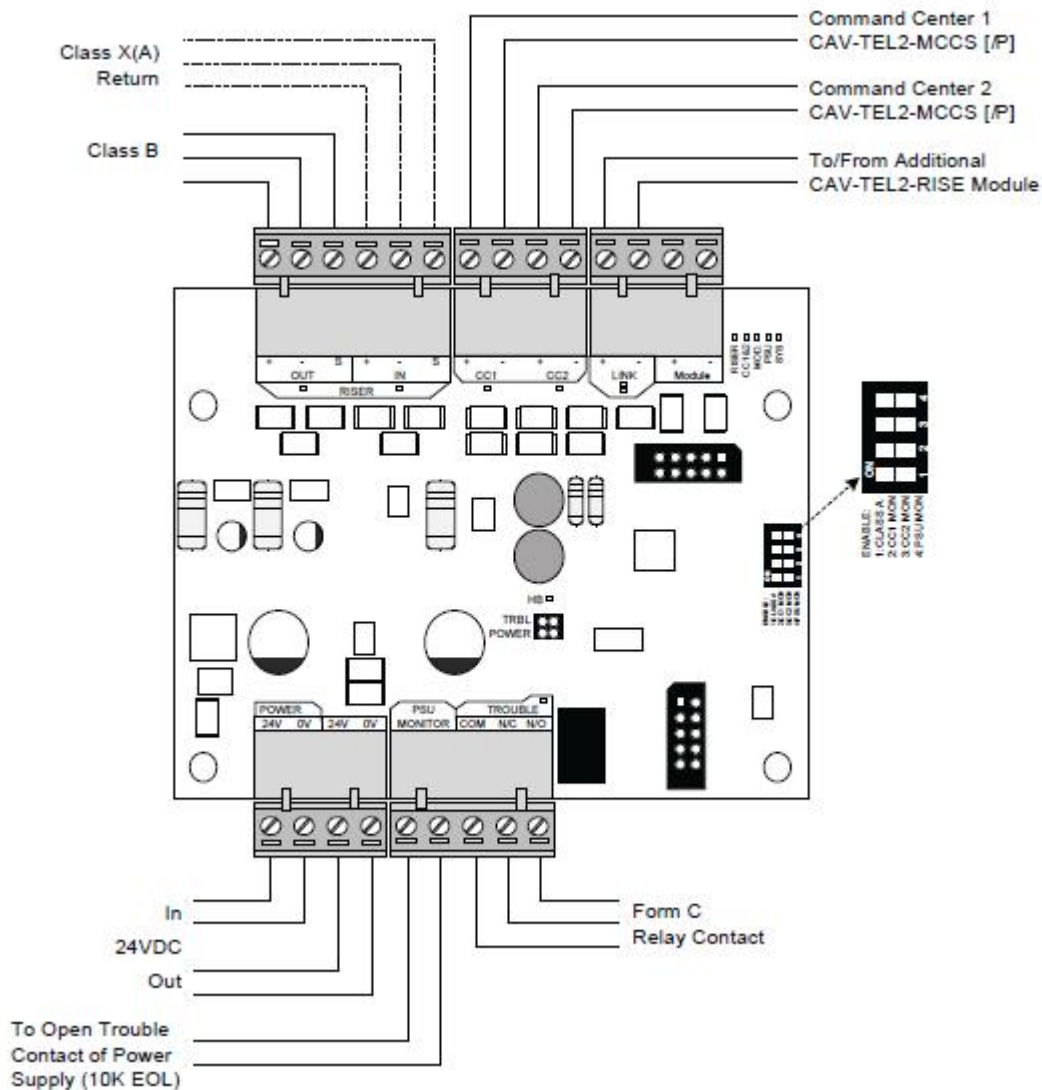
Features

- Class X(A) or B Wiring
- Supports 250 Master Addressable Phones
- Maximum Five (5) Active Phones
- Optional Phone Patch Paging
- Supports Two (2) Command Center Firefighter Phones
- Pluggable Terminal Blocks
- Link Connection for Interface to Additional CAV-TEL2-RISE
- Supervised Power Supply Monitoring Input
- Integral Form "C" Fail-Safe Trouble Contact
- Built-in Short Circuit Isolation

Listings and Approvals

- CAN/ULC-S527-11 and CAN/ULC-S559-13 Listed:
100780709NYM-001

Wiring Diagram



Order Codes and Options

CAV-TEL2-RISE	Firefighter Telephone System2 Telephone Riser Module
CAV-TEL2-PPB	Plug-in Audio Module
CAV-TEL2-CAB	Remote Cabinet with Single AV-TEL2-RISE Module
CAV-TEL2-REM	Remote Enclosure with Single AV-TEL2-RISE Module and AX-PSU-6 Power Supply Charger

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Canadian Firefighter Phone Node

The Axis AX Canadian Firefighter Phone Node is a dedicated addressable firefighter phone communications system. The firefighter phone node can be incorporated within an Advanced Ad-NeT-PluS network installation or can exist as a completely standalone firefighter phone system.

Firefighter phone nodes are modular designed based on installation requirements and are assembled within Advanced command center enclosures. As a minimum, firefighter phone nodes incorporate a dedicated base card with 1, 2 or 4 firefighter phone signaling line circuits (SLCs), a telephone riser module, an integral firefighter phone and firefighter phone keyboard display for the status and control of the system.

The firefighter phone node telephone riser module can support up to 250 master addressable firefighter phones. In addition, if additional master addressable firefighter phones are required or if an installation requires more than one (1) firefighter telephone riser, an additional telephone riser module can be provided for a maximum of 500 master addressable firefighter phones.

The master addressable firefighter phones connect to both the dedicated firefighter phone signaling line circuit and to the telephone riser module. The integral addressable module of the master addressable firefighter phone supports dial, ring and busy/hold tones for the user to know the call is being generated and received at the firefighter phone node. In addition, each master addressable firefighter phone can support up to a maximum of four (4) secondary firefighter emergency phones, conventional firefighter phone jacks or a combination of the two.

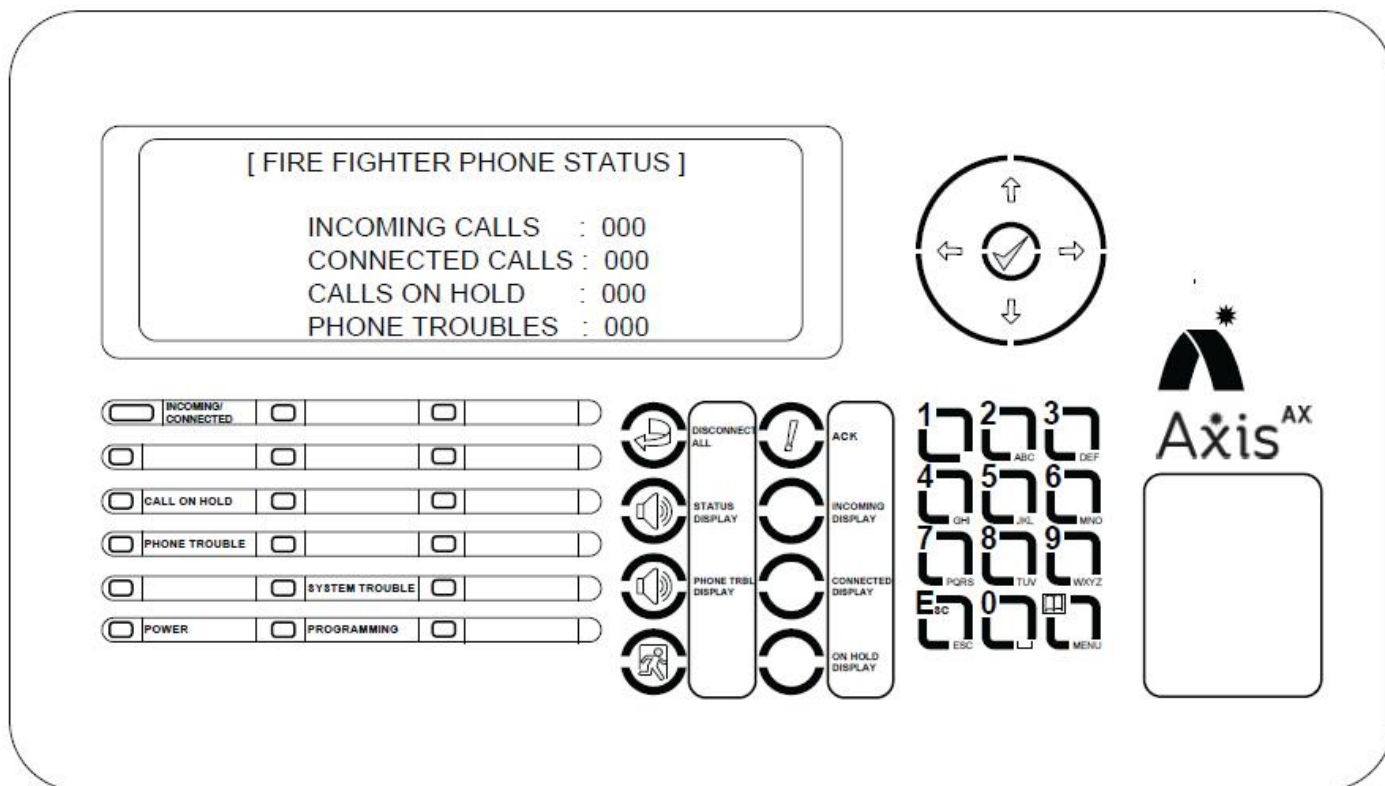
When combined with an Advanced Axis AX audio product, an optional plug-in pager board is available for field firefighter phone paging via the firefighter phone node command center.

Listings and Approvals

- CAN/ULC-S527-11 and CAN/ULC-S559-13 Listed: 100780709NYM-001

Features

- 1, 2 or 4 Class B, A or X Firefighter Phone SLC Loops
- Standalone or Networkable
- Single or Multiple Firefighter Phone Command Centers
- Riser Supports 250 Addressable Firefighter Phones
- Supports Standard or Push-to-Talk Handsets
- Class X (A/ST7) or Class B Telephone Riser
- Built-in Telephone Riser Short Circuit Isolation
- Multiple Risers Support a Max. 500 Addressable Firefighter Phones
- Modular Designed
- User-friendly Operator Display and Controls



Order Codes and Options

C-CCM-01-BB	3 x 3 Backbox, 22.6" H x 20.3" W x 5.5" D
C-CCM-01-ID2	3 x 3 Inner Door, 2 Double and 5 Single Apertures
C-CCM-01-OD	3 x 3 Outer Door
C-CCM-02-BB	3 x 5 Backbox, 35.9" H x 20.3" W x 5.5" D
C-CCM-02-ID2*	3 x 5 Inner Door, 2 Double and 11 Single Apertures
C-CCM-02-OD	3 x 5 Outer Door
CAX-SAP	Single Aperture Blank Plate
CAX-ACB	AC Board
CAX-CTL-1PCB	Telephone Node Base Card, 1 Phone SLC Loop
CAX-CTL-2PCB	Telephone Node Base Card, 2 Phone SLC Loops
CAX-LPD	SLC/NAC Expansion Board, 2 Phone SLC Loops and 2 Phone NAC (Signal) Circuits
CAX-PSU	5A Expansion Power Supply
CAX-PSU-6	6A Power Supply charger
CAX-DSP/T	Firefighter Keyboard Display
CAV-TEL2-RISE	Telephone Riser Module
CAV-TEL2-MCCS	Firefighter Phone Node Command Center Standard Telephone
CAV-TEL2-MCCS/P	Firefighter Phone Node Command Center Push-to-Talk Telephone
CAV-TEL2-PPB	Plug-in Audio Module

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Firefighter Phone System2 Master Addressable and Secondary Firefighter Emergency Phones

The Advanced Master Addressable and Secondary Firefighter Emergency Phones are state-of-the-art, modern, reliable firefighter phones for use with Advanced's Firefighter Phone System2, providing two-way communications for firefighters and other emergency personnel.

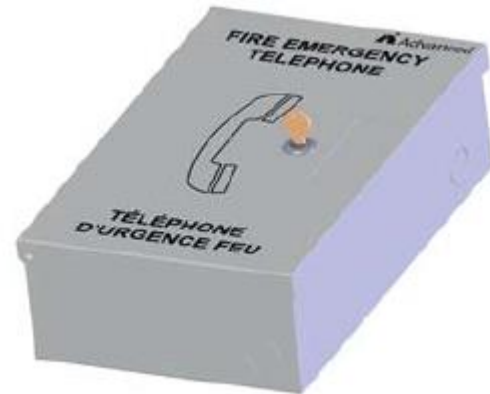
Whether the Firefighter Phone System2 is integrated within an Axis AX fire alarm system, part of a dedicated firefighter phone node or a standalone firefighter phone system, the master addressable and associated secondary firefighter emergency phones work seamlessly in any installation.

Master addressable firefighter emergency phones include an integral addressable interface module for connection to an Advanced SLC addressable circuit and Firefighter Phone System2 telephone riser. The addressable interface module is capable of supporting a total of four (4) secondary firefighter emergency phones, conventional phone jacks or a combination of the two. Secondary firefighter emergency phones and conventional phone jacks report all status and events to the Firefighter Phone System2 command center, via the interconnected master addressable firefighter emergency phone.

Both the master addressable and secondary firefighter emergency phones contain a backbox, handset/chassis assembly and a door, with breakglass keylock access. Each handset/chassis assembly is designed with rugged plastic and includes an electronically controlled off-hook activation signal. In addition, handset/chassis assembly phones are available with a standard coiled cord or armored cable.

When a master addressable firefighter phone handset is removed from its cradle, a dial tone will be heard at the handset, when the call-in signal is recognized at the firefighter command center, the dial tone will change to a ring tone. These dial and ring tones, at the handset, allow the user to know the call is being generated and received at the Firefighter Phone System2 command center, awaiting command center operator connection. In addition, at the Firefighter Phone System2 command center, the master addressable firefighter phone activation will generate a buzzer and visual indication of the specific master addressable firefighter emergency phone calling in.

Once the call is connected by the command center operator, the ring tone will cease and two-way communications will be initiated. At any time during communications, the command center operator can place the connected call on hold, which in turn will activate a busy/hold tone at the master addressable firefighter emergency phone handset.



Features

- Advanced SLC addressable protocol compatible
- Integral dial, ring and busy/hold tones
- Breakglass keylock access
- Electronic controlled off-hook activation
- Master phone supports four (4) secondary phones
- Heavy duty construction
- Modular assembly
- Durable finish
- Integral 'phone connect' LED
- Coiled or armored cord cabling
- Standard or push-to-talk phone
- Pluggable PCB terminal blocks
- Optional semi-flush bezel (trim ring)
- Optional noise-cancelling microphone

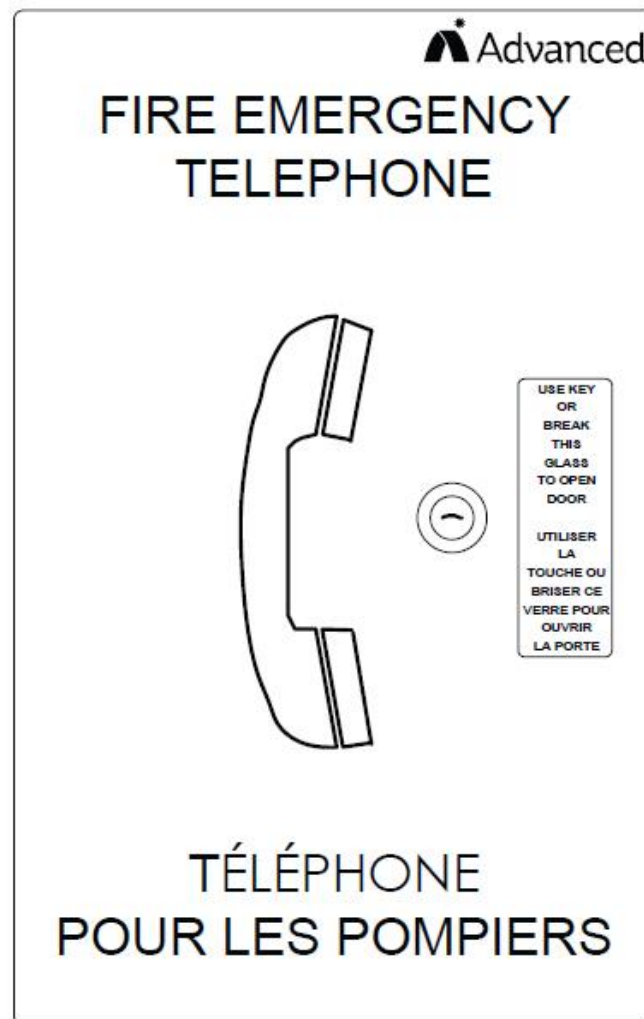
Listings and Approvals

- CAN/ULC-S527-11 and CAN/ULC-S559-13 Listed: 100780709NYM-001

Secondary firefighter emergency phones and conventional phone jacks operate the same as the master addressable firefighter emergency phones. However, all status indication and control with the Firefighter Phone System2 command center is done via the associated master addressable firefighter emergency phone.

Based on installation, the master addressable and secondary firefighter emergency phones can be surface or semi-flush mounted with optional trim ring kit.

Advanced also offers optional noise canceling microphones to filter ambient noise from the installation's surrounding background area. In addition, Advanced offers an optional retaining clip which latches the phone to the handset/chassis assembly cradle is available.



Specifications

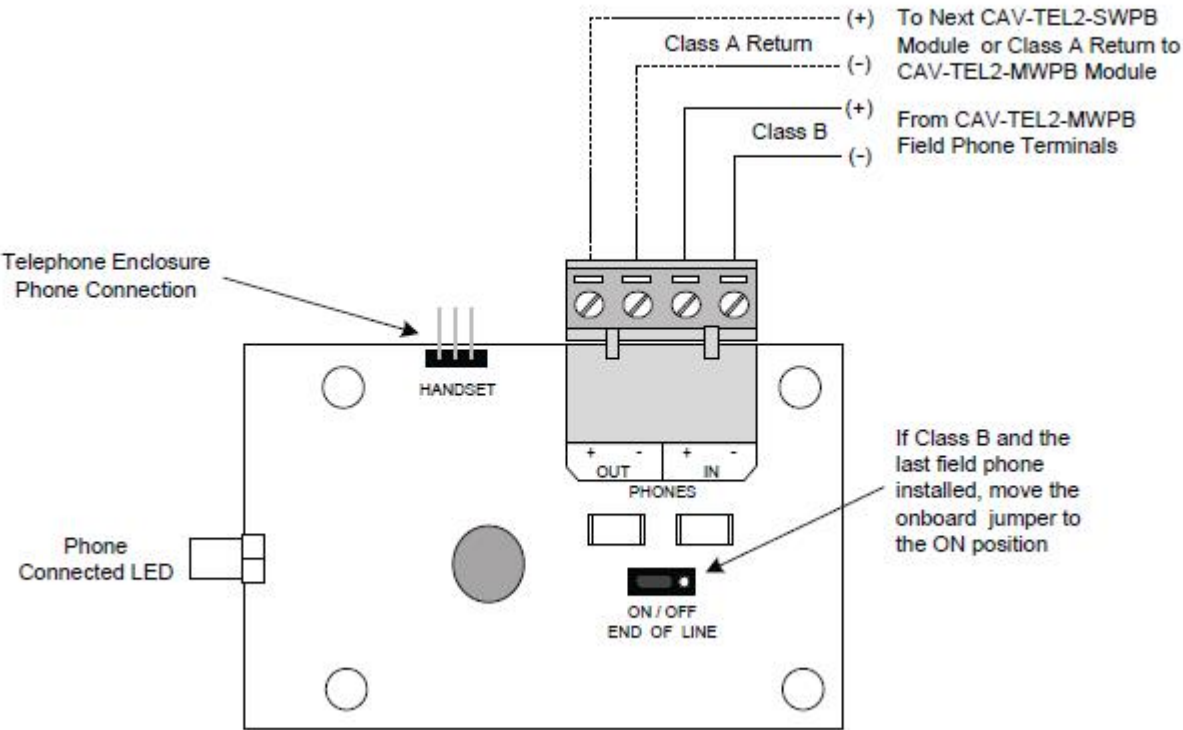
Addressable Phone Interface Module Specifications

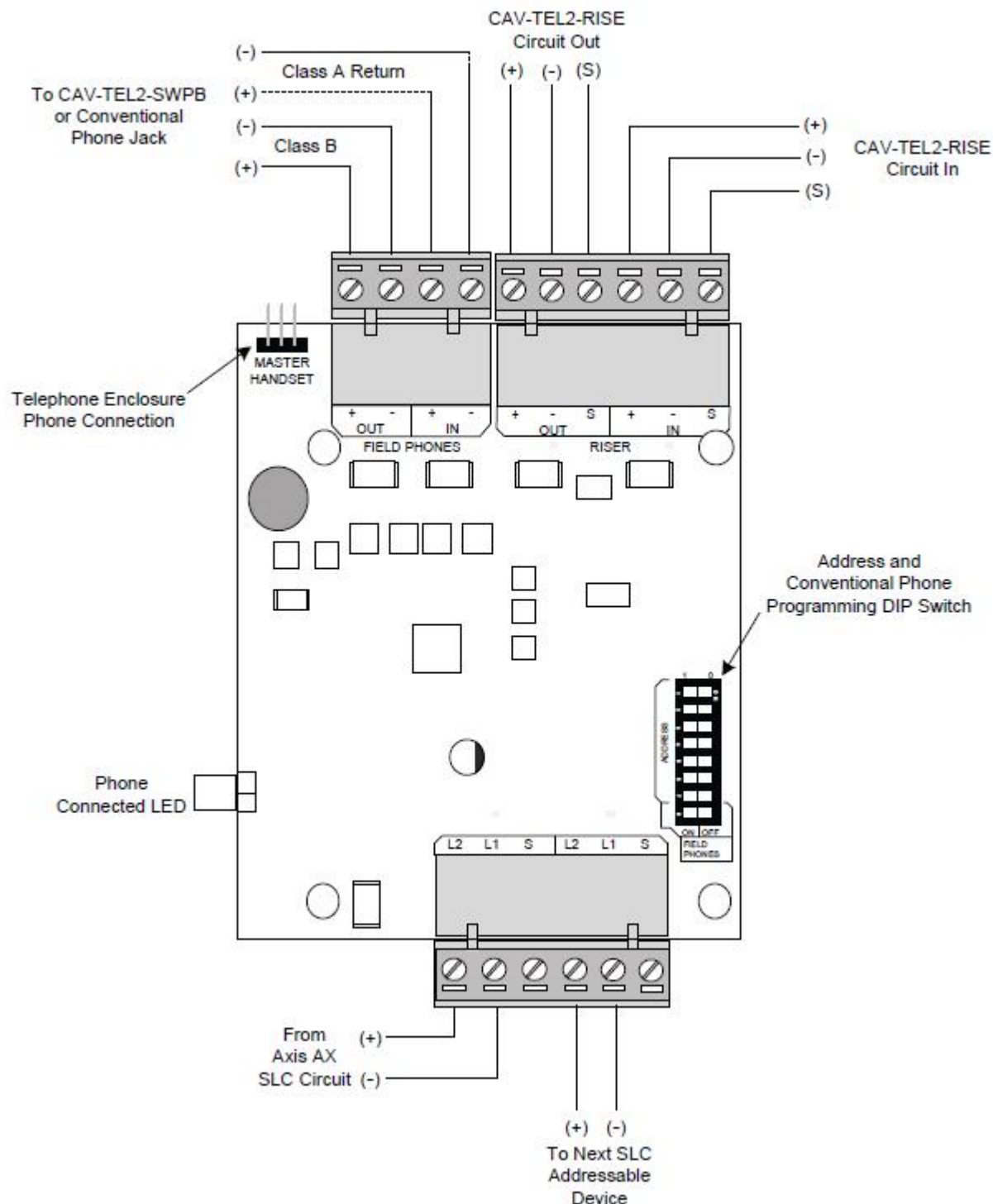
Voltage	17-28 Vdc
Operating current - non active phone	900 uA
Operating current - off-hook w/tone	4.7 mA
Operating current - off-hook connected	7.4 mA
Temperature	32-120°F (0-48°C)
Humidity	10-95% (non-condensing)
Analogue values - normal	18
Analogue values - off-hook/active	55
Analogue values - phone fault/open field ckt	6
Analogue values - riser supply fault	5 (up to 10V)
Analogue values - riser supply short circuit	4
Analogue values - corrupt communications	4
Analogue values - comm fault/device missing	0
Address range	1-126 (DIP switch prog.)
Environment	Indoor, dry
Field phones	Max. 4 (secondary or jack)

Terminal wire size	12-22 AWG (Power Limited)
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Secondary Phone Interface Module Specifications

Voltage	24 Vdc
Operating current - quiescent	0 mA
Operating current - active	30 mA
Temperature	32-120°F (0-48°C)
Humidity	10-95% (non-condensing)
Terminal wire size	12-22 AWG (Power Limited)





Order Codes and Options

Master Addressable Firefighter Emergency Phones

CAV-TEL2-WD	Master addressable firefighter phone, backbox, breakglass with keylock door, standard phone, coiled cord
CAV-TEL2-WDP	Master addressable firefighter phone, backbox, breakglass with keylock door, push-to-talk (PTT) phone, coiled cord
CAV-TEL2-WDV	Master addressable firefighter phone, backbox, breakglass with keylock door, standard phone, armored cable
CAV-TEL2-WDT	Master addressable firefighter phone, backbox, breakglass with keylock door, push-to-talk (PTT) phone, armored cable

Secondary Firefighter Emergency Phones

CAV-TEL2-SWD	Secondary firefighter phone, backbox, breakglass with keylock door, standard phone, coiled cord
CAV-TEL2-SWDP	Secondary firefighter phone, backbox, breakglass with keylock door, push-to-talk (PTT) phone, coiled cord
CAV-TEL2-SWDV	Secondary firefighter phone, backbox, breakglass with keylock door, standard phone, armored cable
CAV-TEL2-SWDT	Secondary firefighter phone, backbox, breakglass with keylock door, push-to-talk (PTT) phone, armored cable

Semi-flush bezel (trim ring)

CAV-TEL2-MB	Semi-flush bezel
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Retaining clip and noise cancelling microphones

CAV-TEL2-RC	Handset hook retaining clip
CAV-TEL2-NCMS	Noise canceling microphone for standard phone
CAV-TEL2-NCMP	Noise canceling microphone for push-to-talk (PTT) phone