Axis AX

Firefighter Telephone Cabinets

The AV-SC-5 provides storage for up to 5 AV-PHONE portable firefighter telephone handsets.

Cabinets are made from 16 Gauge Steel and come with a durable red finish. White indelible lettering “EMERGENCY TELEPHONE HANDSETS” is prominently displayed on the cabinet cover. The piano hinged door is secured with a CAT-30 door lock. Both cabinets come ready for surface mounting.



Features

- Convenient Storage of Portable Handsets
- Available in two sizes: 5 or 10 phones
- Surface Mount
- 16 Gauge Steel Construction
- Durable Red Finish

Listings and Approvals

- Certified to UL864 10th Edition – File No. S35979
- CSFM Approved: Pending
- NYCFD COA: Pending

Order Codes and Options

AV-SC-5	Firefighter Phone Cabinet (red). Holds 5 AV-PHONE phones. Dimensions: 3.5"W x 13.125"H x 4"D

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Axis AX

Firefighter Phone System2 Handsets

The AV-TEL2-P and AV-TEL2-PT Firefighter Phone System2 portable handsets from Advanced are lightweight, durable and made of high impact plastic.

The handsets come with an RCA ¼" plug and are designed to be used with the Advanced AV-CJACK conventional firefighter phone jack.

The AV-TEL2-P uses an Advanced Standard firefighter phone, while the AV-TEL2-PT uses a Push-to-Talk firefighter phone. The Push-to-Talk phone option allows more than five phones to be connected (active) on the Firefighter Phone System2 telephone riser without audio degradation. Each Push-to-Talk phone only adds resistance to the telephone riser circuit when the user presses the Push-to-Talk button and communicates on the telephone riser.

Features

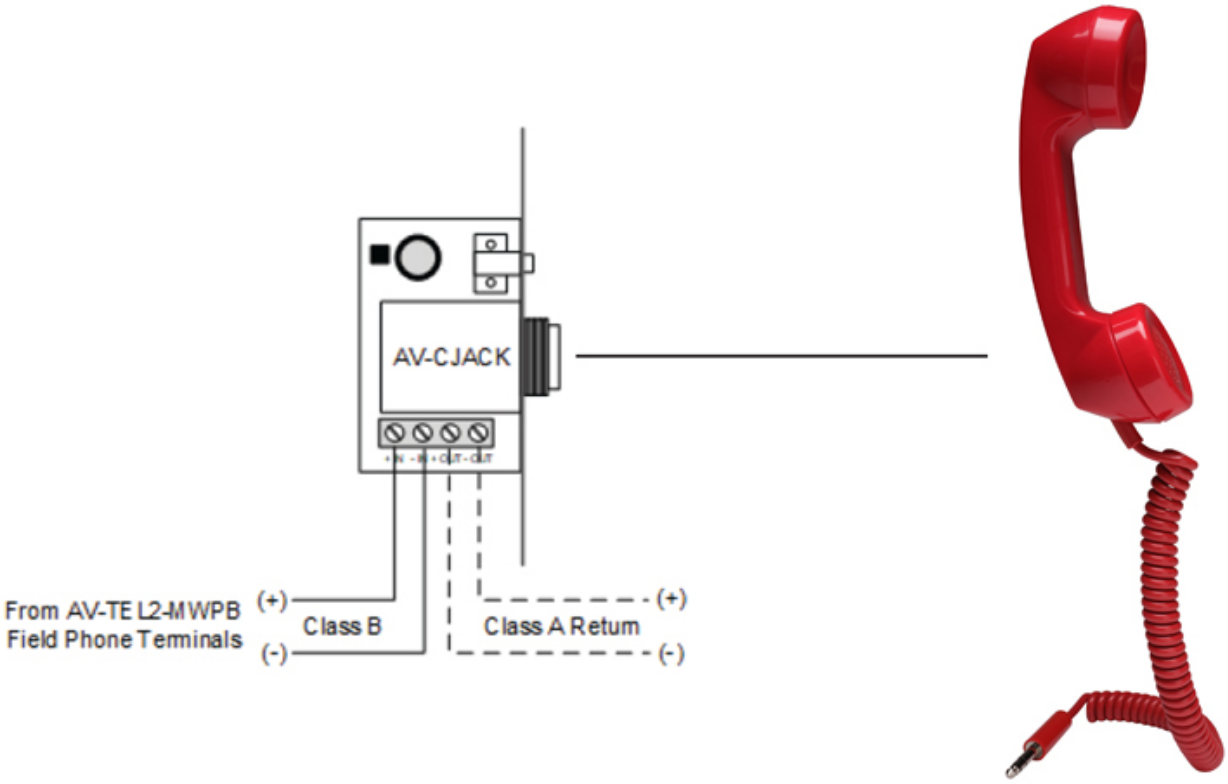
- Made from high impact plastic
- Available in Standard or Push-to-Talk Handset
- Built-In Noise Filter
- Lightweight



Listings and Approvals

- Certified to UL864 10th Edition – File No. S35979
- NYCFD COA: Pending
- CFSM approved: Pending

AV-TEL2-P or AV-TEL2-PT Interface to AV-CJACK



Wiring	Class A or Class B (6.8K EOL Resistor)
Voltage	24VDC
Current Quiescent Active	0 mA 22 mA

Order Codes and Options

AV-TEL2-P	Firefighter Phone System2 Standard Portable Firefighter Handset (red) with RCA ¼" plug
AV-TEL2-PT	Firefighter Phone System2 Push-to-Talk Portable Firefighter Handset (red) with RCA ¼" plug
AV-CJACK	Conventional Firefighter Phone Jack w/active LED

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Firefighter Phone System2 Telephone Riser

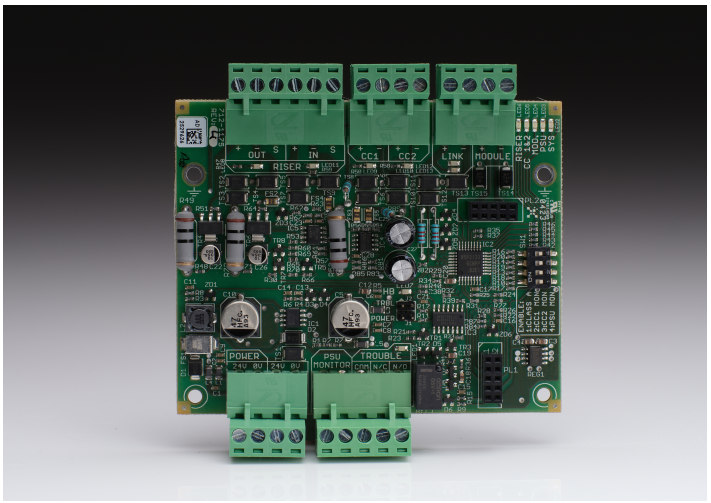
The AV-TEL2-RISE module is an Advanced telephone riser module that can be mounted in an Axis AX command centre (fire alarm command centre or firefighter phone node) or in a dedicated enclosure with/without integral power supply charger (AXM-009, AV-TEL2-CAB or AV-TEL2-REM). The AV-TEL2-RISE module provides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

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 centre 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 AV-TEL2-RISE module can be installed, providing a maximum of 500 addressable firefighter emergency phones.

All supervision/trouble monitoring of the AV-TEL2-RISE telephone riser is accomplished through each addressable firefighter emergency phone. Between the AV-TEL2-RISE module and the 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 AV-TEL2-PPB plug-in page board, the AV-TEL2-RISE module can be interfaced to an Advanced Axis AX audio product providing field firefighter phone paging via command centre control.



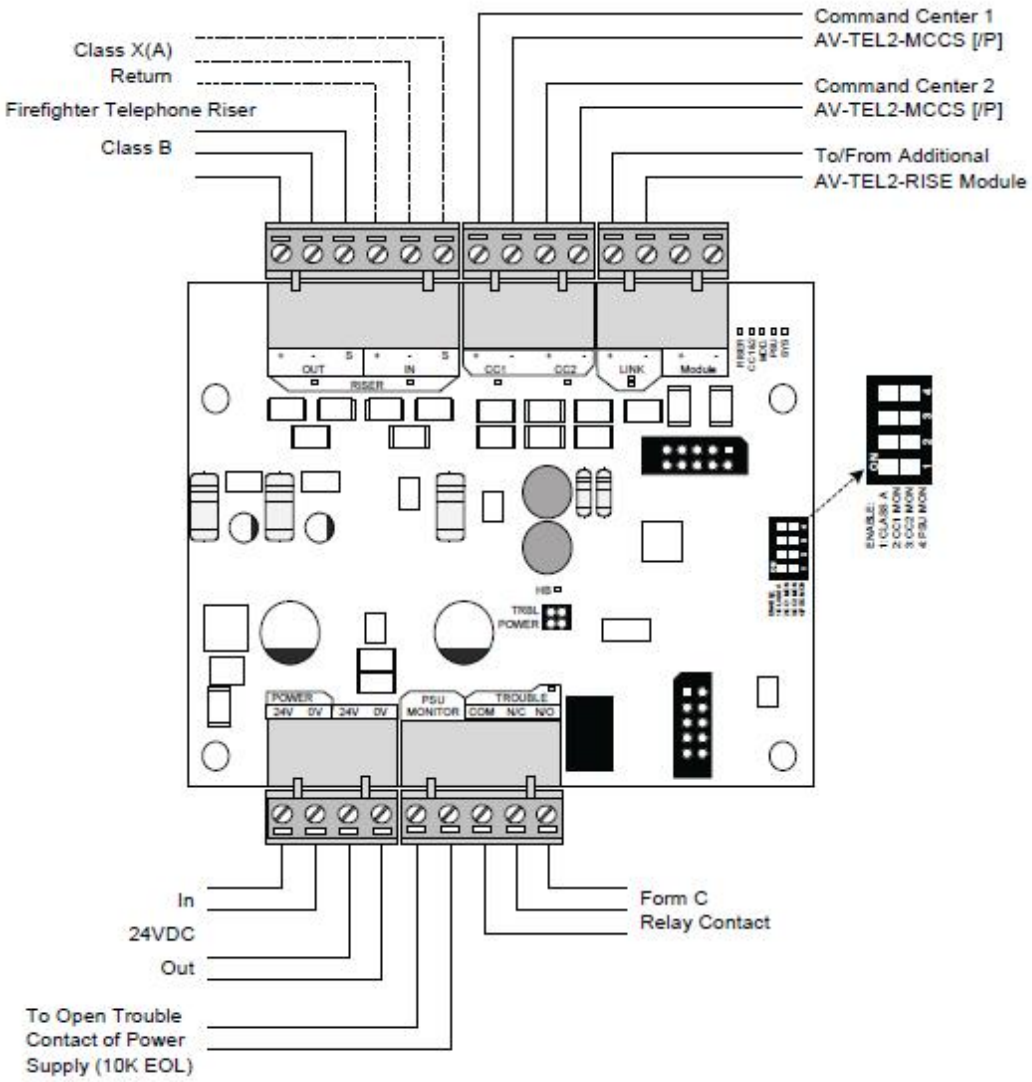
Features

- 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 AV-TEL2-RISE
- Supervised Power Supply Monitoring Input
- Integral Form“C” Fail-Safe Trouble Contact
- Built-in Short Circuit Isolation

Listings and Approvals

- Certified to UL864 10th Edition – File No. S35979
- NYCFD COA: Pending
- CFSM approved: Pending

Wiring Diagram



Order Codes and Options

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

* For the gray enclosure, add the suffix **-G**to the part number.

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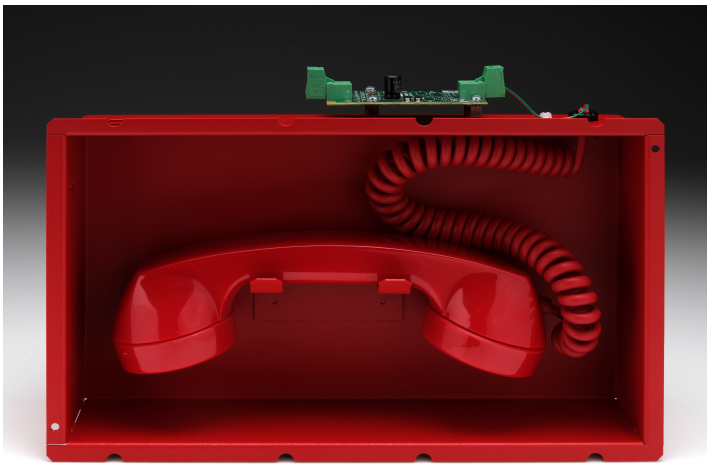
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Firefighter Phone System2 Firefighter Phone Assemblies

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

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

Both the Advanced CCM-01-ID2 (3x3 command center) and CCM-02-ID2 (3x5 command center) inner doors can support an AV-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) AV-TEL2-MCCS[/P] per Riser Module

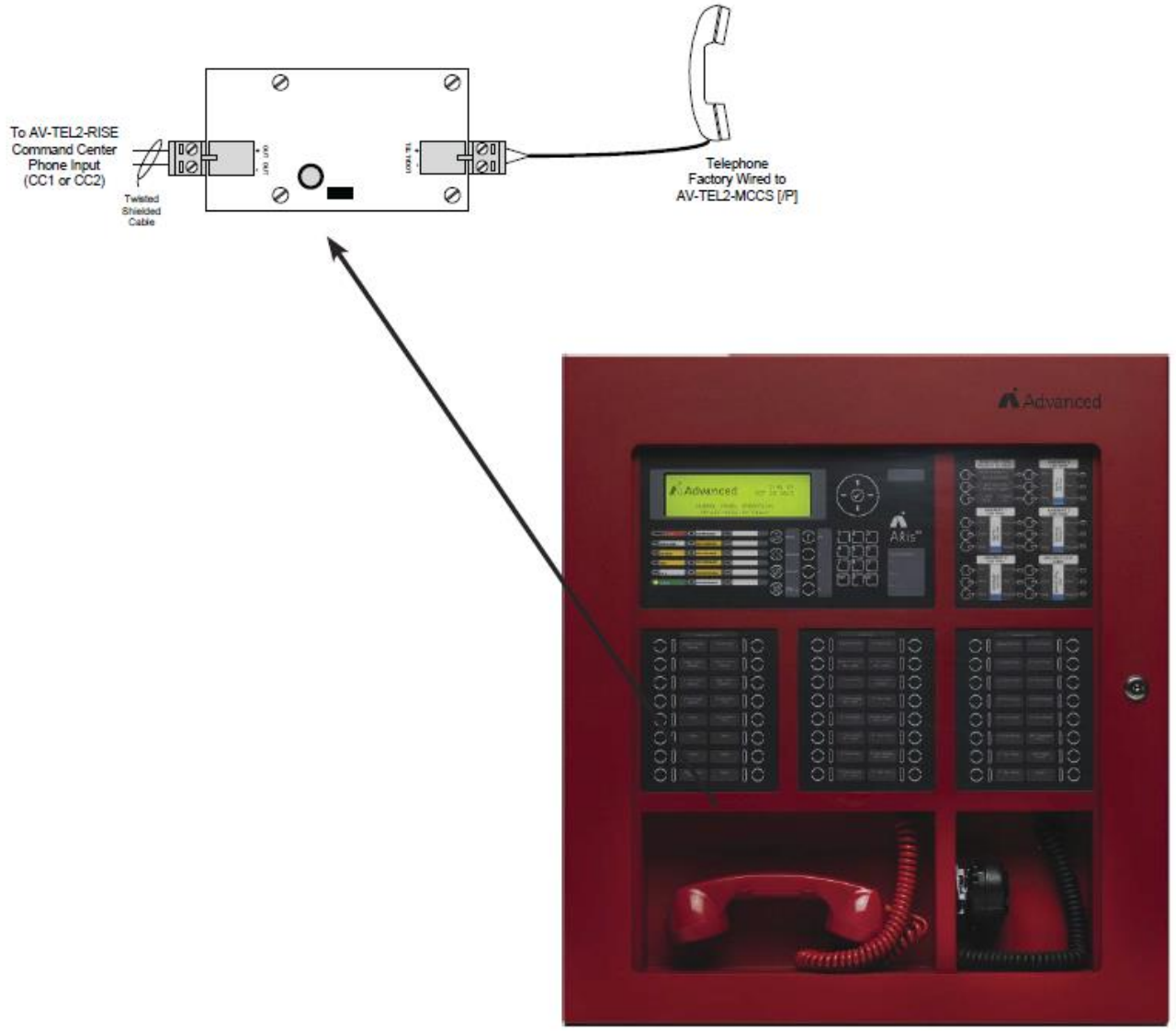
Ratings

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

Listings and Approvals

- Certified to UL864 10th Edition – File No. S35979
- NYCFD COA: Pending
- CFSM approved: Pending

Wiring Diagram



Order Codes and Options

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

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Axis AX

Firefighter Phone System2 Emergency Phones

The Advanced Addressable 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 addressable firefighter emergency phones work seamlessly in any installation.

Advanced 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) Conventional Phone Jacks. Conventional Phone Jacks report all status and events to the Firefighter Phone System2 command centre, via the interconnected addressable firefighter emergency phone.

The addressable firefighter emergency phones contain a backbox, handset/chassis assembly and a door, with either a keylock, magnetic latch or break glass 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 armoured cable.

When an 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 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 addressable firefighter emergency phone handset.

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



Features

- Advanced SLC addressable protocol compatible
- Integral dial, ring and busy/hold tones
- Keylock, magnetic or break-glass access
- Electronic controlled off-hook activation
- Master phone supports four (4) conventional phone jacks
- Heavy duty construction
- Modular assembly
- Durable red finish
- Integral 'phone connect' LED
- Coiled or armoured cord cabling

Listings and Approvals

- Certified to UL864 10th Edition – File No. S35979
- NYCFD COA: Pending
- CFSM approved: Pending

Master Warden Telephones



AV-TEL2-WD
Master Addressable
Firefighter Telephone
w/Breakglass & Keylock

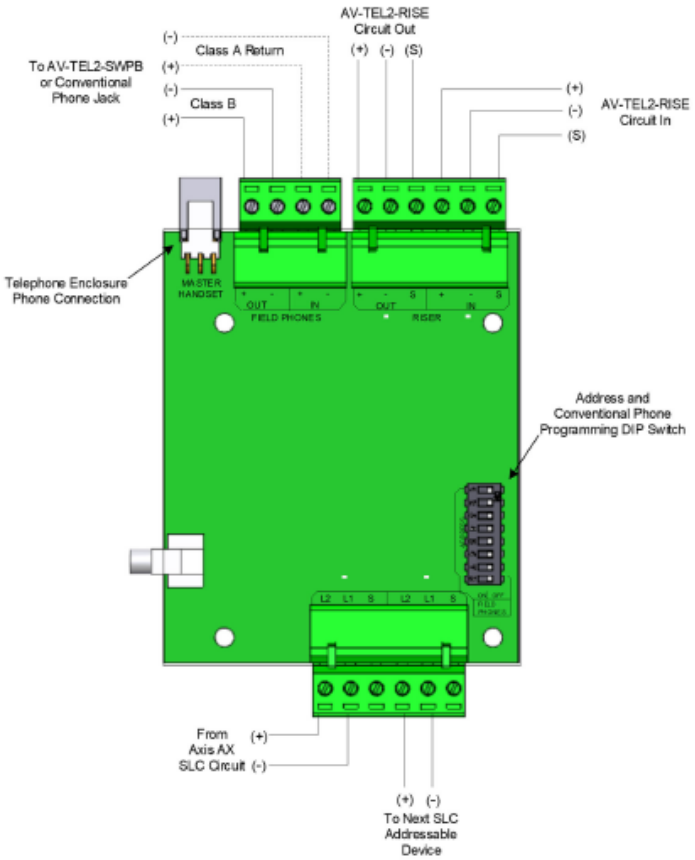


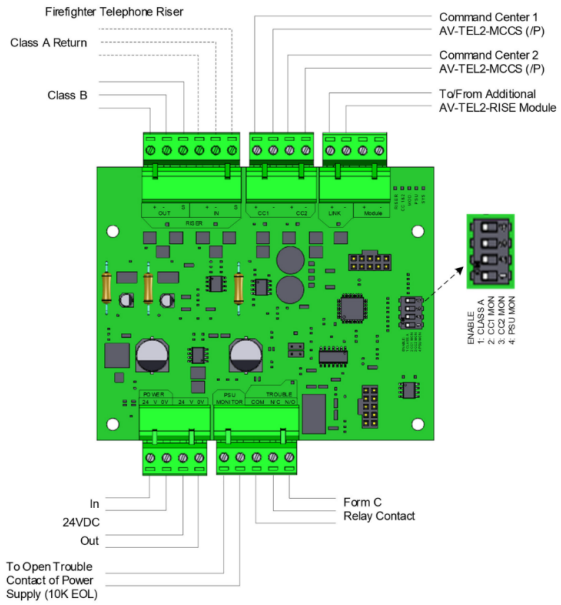
AV-TEL2-WD2
Master Addressable
Firefighter Telephone
w/Keylock



AV-TEL2-WD3
Master Addressable
Firefighter Telephone
w/Magnetic Latch

Addressable Phone Interface Modules



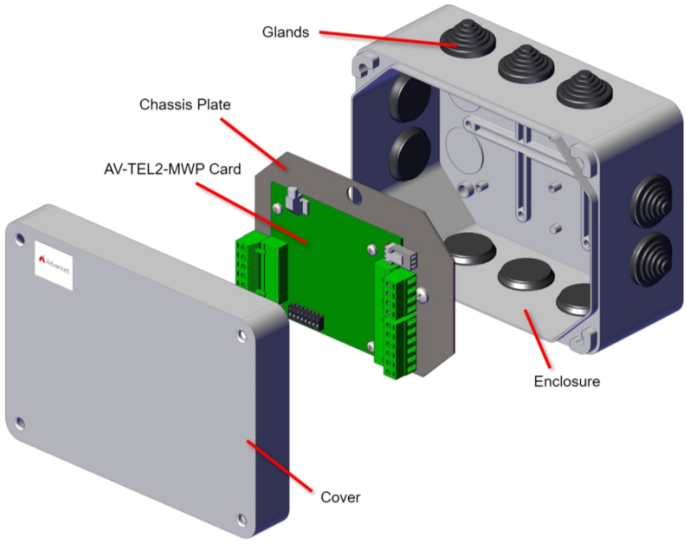


Addressable Phone Interface Module Specifications

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°V (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 (conventional phone jack)
Terminal wire size	12-22 AWG (Power Limited)

Order Codes and Options

AV-TEL2-WD	Addressable firefighter telephone with break glass & keylock door, standard cord telephone
AV-TEL2-WDV	Addressable firefighter telephone with break glass & keylock door, armoured cord telephone
AV-TEL2-WD2	Addressable firefighter telephone with keylock door, standardcord telephone
AV-TEL2-WD2V	Addressable firefighter telephone with keylock door, armoured cord telephone
AV-TEL2-WD3	Addressable firefighter telephone with magnetic latch, standardcord telephone
AV-TEL2-WD3V	Addressable firefighter telephone with magnetic latch, armoured cord telephone
AV-TEL2-MWPB	Master addressable firefighter phone interface module with ring & hold tones. Supports up to 4 Conventional Phone Jacks
AV-TEL2-MWP-BX	Plastic enclosure & chassis plate mounted with Riser Audio Gateway card. Supports up to 15 Conventional Phone Jacks



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Firefighter Phone System2 Firefighter Phone Node

The Axis AX Firefighter Phone Node is a dedicated addressable firefighter phone communications system. The firefighter phone node can be incorporated within an Advanced 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 Class B, A or X (with optional isolator modules) firefighter phone signalling 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 keyboard display provides easy to understand customer English text status of incoming calls, connected calls, calls on hold and phone troubles.

The firefighter phone node telephone riser module can support up to 250 addressable firefighter phones. In addition, if additional 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 addressable firefighter phones.

The master addressable firefighter phones connect to both the dedicated firefighter phone signalling 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) conventional firefighter phone jacks.

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.



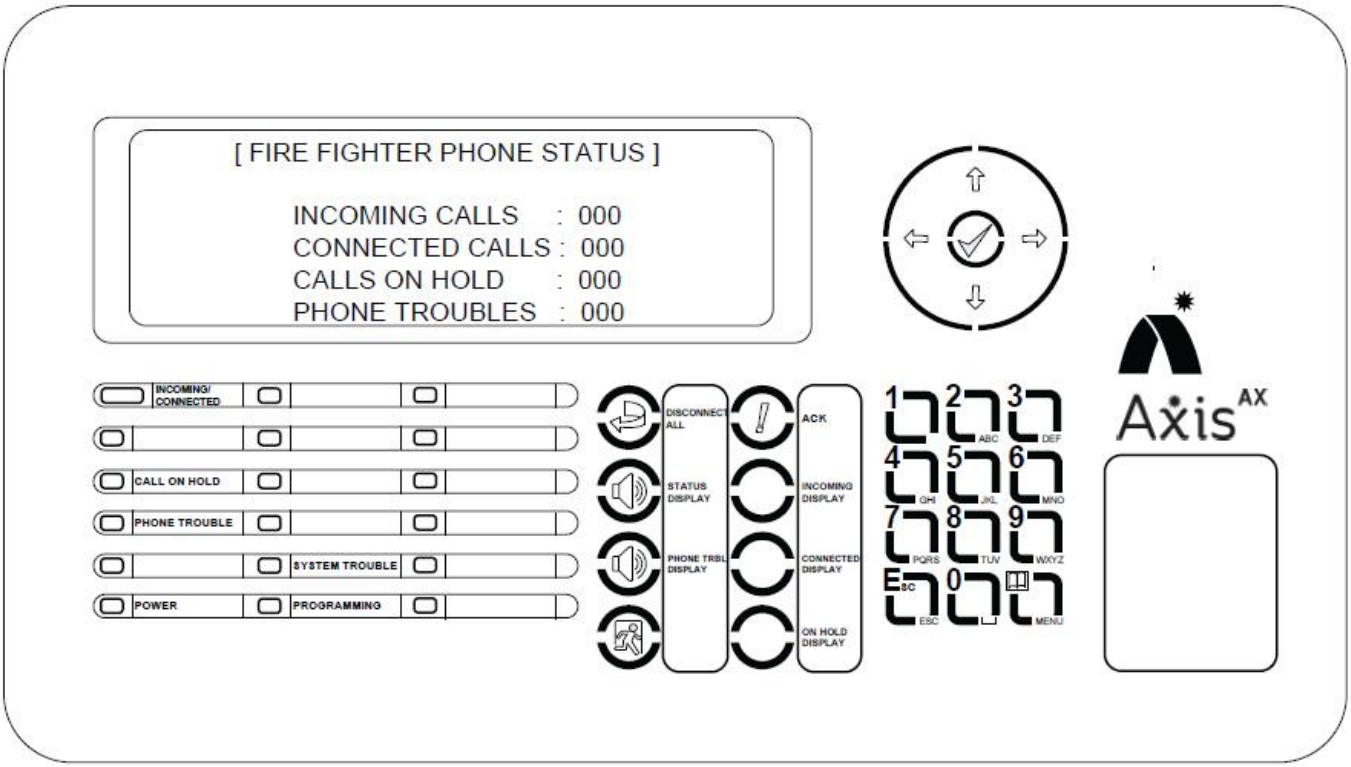
Listings and Approvals

- Certified to UL864 10th Edition – File No. S35979
- NYCFD COA: Pending
- CFSM approved: Pending

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
- Class X(A) 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

AV-TEL2-P or AV-TEL2-PT Interface to AV-CJACK



Order Codes and Options

CCM-01-BB*	3 x 3 Backbox, 22.6" H x 20.3" W x 5.5" D
CCM-01-ID2*	3 x 3 Inner Door, 2 Double and 5 Single Apertures
CCM-01-OD*	3 x 3 Outer Door
CCM-02-BB*	3 x 5 Backbox, 35.9" H x 20.3" W x 5.5" D
CCM-02-ID4*	3 x 5 Inner Door, 2 Double and 11 Single Apertures
CCM-02-OD*	3 x 5 Outer Door
AX-SAP*	Single Aperture Blank Plate
AX-ACB	AC Board
AX-CTL-1PCB	Telephone Node Base Card, 1 Phone SLC Loop
AX-CTL-2PCB	Telephone Node Base Card, 2 Phone SLC Loops
AX-LPD	SLC/NAC Expansion Board, 2 Phone SLC Loops and 2 Phone NAC (Signal) Circuits
AX-PSU	5A Expansion Power Supply
AX-PSU-6	6A Power Supply Charger
AX-DSP/T	Firefighter Keyboard Display
AX-ASW16	Switch/LED Module incorporating 16 switches and 48 LEDs
AX-LED16RY	LED Module incorporating 16 red and 16 yellow LEDs
AX-LED32R	LED Module incorporating 32 red LEDs
AX-LED32Y	LED Module incorporating 32 yellow LEDs
CCM-MP-BP2	Mounting Plate support two (2) AV-TEL2-RISE modules. Use to mount two (2) AV-TEL2-RISE module in a Command Center.
AV-TEL2-RISE	Telephone Riser Module
AV-TEL2-MCCS*	Firefighter Phone Node Command Center Standard Telephone
AV-TEL2-PPB	Plug-in Audio Module

* For gray colour, add suffix **-G** to part number

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