Firefighter Phone System2 Master Addressable and Secondary Firefighter Emergency Phones

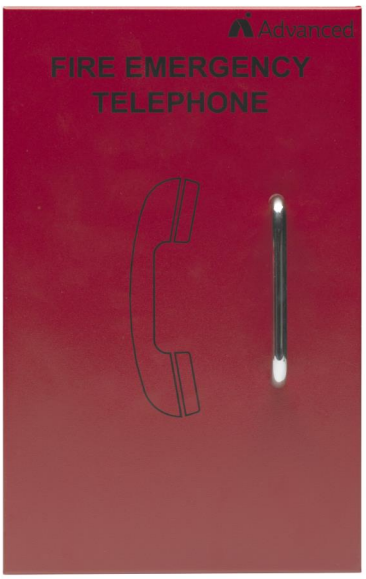
The Advanced Master Addressable and Secondary Firefighter Emergency Phones are state-of-the-art, modern, reliable firefighter phones for use with Advanced's Firefi ghter Phone System2, providing two-way communications for fi refi ghters and other emergency personnel.

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 either a keylock, magnetic latch or breakglass access. Each handset/chassis assembly is designed with rugged plastic and includes an electronically controlled off -hock 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.



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) secondary phones
- Heavy duty construction
- Modular assembly
- Durable red or gray 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

- ETL ANSI/UL 864 Listed: 101564744NYM-001, 102445509NYM-001
- NYCFD COA #6105A2

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. 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.

The master addressable and secondary firefighter emergency phones are modular in design to easily facilitate field installation. The backbox, door, phone and trim kit (if required) are all ordered separately.

Based on installation situations, Advanced 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.

Specifications

Addressable Phone Interface Module Specifications

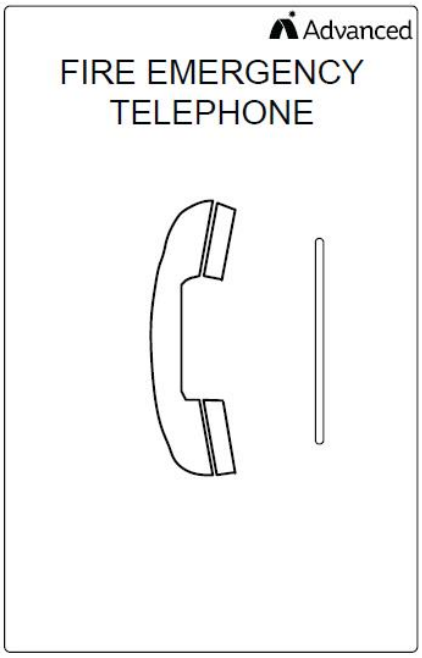
Voltage	17-28 Vdc
Operating current - non active phone	900 uA
Operating current - off-hook w/tone	4.7 mA
Operating current - off-hook connected	7.4 mA
Temperature	32-120°V (0-48°C)
Humidity	10-95% (non-condensing)
Analogue values - normal	18
Analogue values - off-hook/active	55
Analogue values - phone 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 (secondary or jack)
Terminal wire size	12-22 AWG (Power Limited)

Secondary Phone Interface Module Specifications

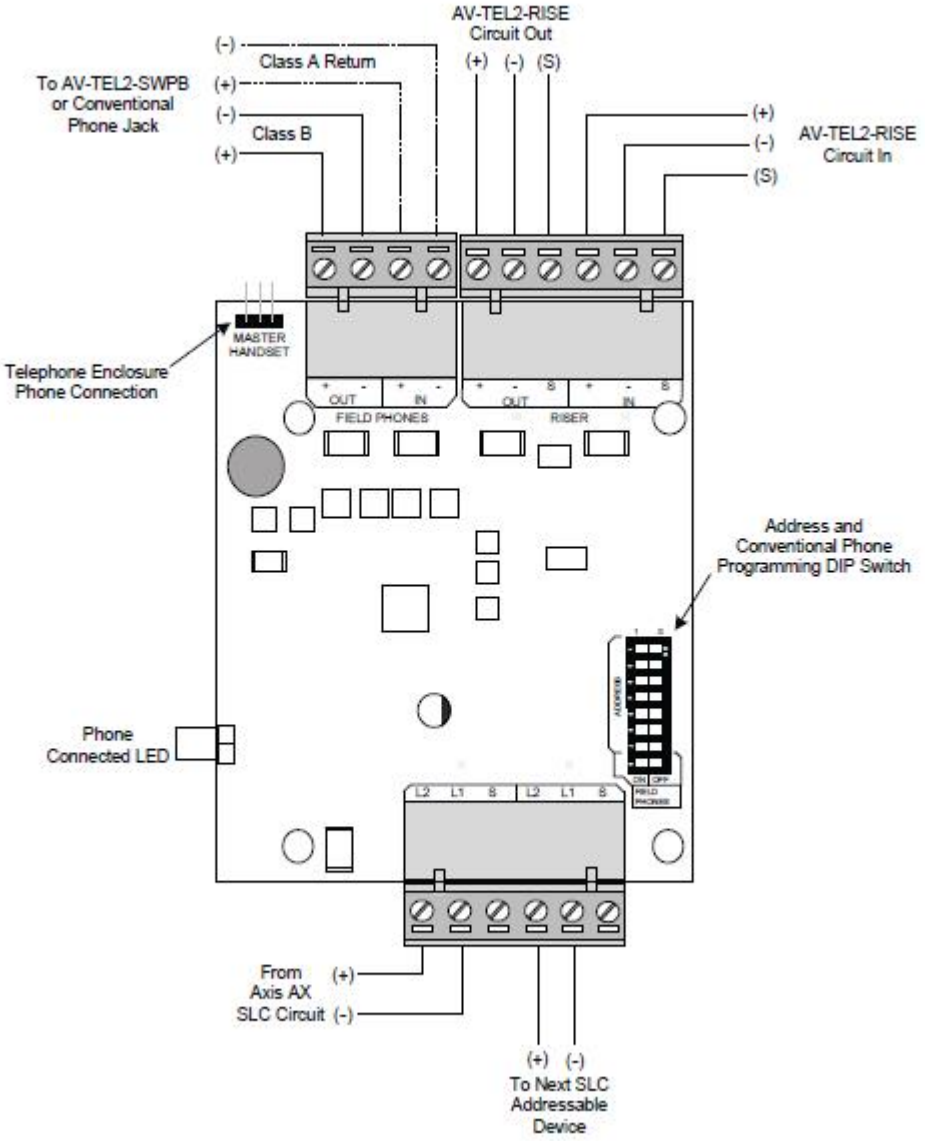
Voltage	24 Vdc
Operating current - quiescent	0 mA
Operating current - active	30 mA
Temperature	32-120°F (0-48°C)
Humidity	10-95% (non-condensing)
Terminal wire size	12-22 AWG (Power Limited)

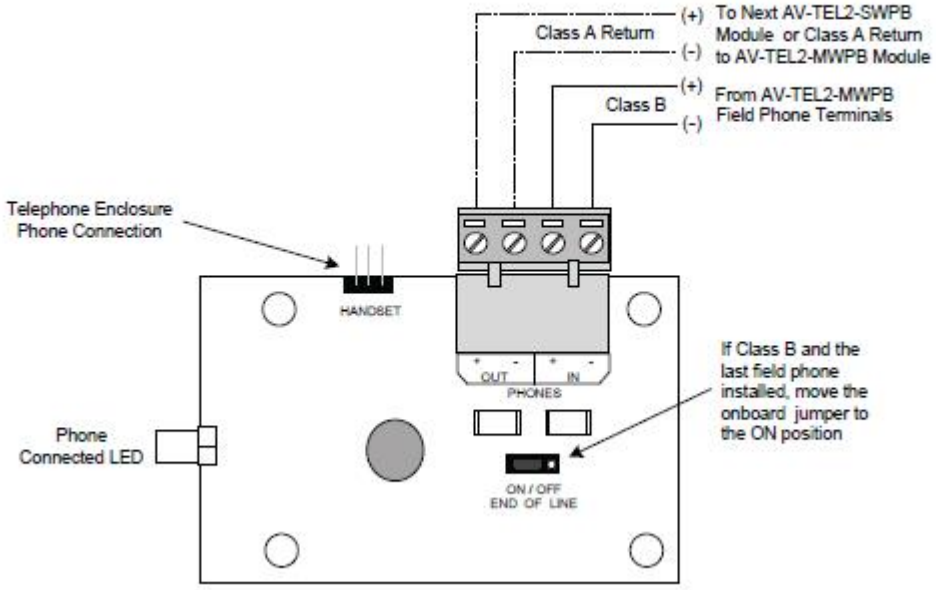
Keylock Door

Keylock Door with Breakglass



Magnetic Latch Door


AV-TEL2-RISE
Circuit Out
(+) (-) (S)
(-)
Class A Return
(+)
To AV-TEL2-SWPB
or Conventional
Phone Jack
(-)
Class B
(+)
(+)
(-)
(S)
AV-TEL2-RISE
Circuit In
MASTER
HANDSET
Telephone Enclosure
Phone Connection
OUT
IN
FIELD PHONES
OUT
IN
RISER
Address and
Conventional Phone
Programming DIP Switch
Phone
Connected LED
L2 L1 S L2 L1 S
From
Axis AX
SLC Circuit
(+)
(-)
(+) (-)
To Next SLC
Addressable
Device


(+)
Class A Return
(-)
To Next AV-TEL2-SWPB
Module or Class A Return
to AV-TEL2-MWPB Module
(+)
Class B
(-)
From AV-TEL2-MWPB
Field Phone Terminals
Telephone Enclosure
Phone Connection
HANDSET
OUT
IN
PHONES
If Class B and the
last field phone
installed, move the
onboard jumper to
the ON position
Phone
Connected LED
ON / OFF
END OF LINE

Order Codes and Options

Backbox	D imensions: 12.6" H x 7.9" W x 3.7" D, 16 AWG Steel
AV-TEL2-BB*	Firefighter emergency phone backbox (red). Requires door, keylock plate or breakglass and master handset/chassis assembly
AV-TEL2-BBM*	Firefighter emergency phone backbox (red) with magnets. Requires door, lock plate or breakglass and chassis plate with handset
Keylock door	
AV-TEL2-D1*	Firefighter emergency phone door (red) with keylock (CAT-30) and mounting hardware. Requires keylock plate or breakglass
Magnetic latch door	
AV-TEL2-D2*	Firefighter emergency phone door for magnetic latch with mounting hardware
Keylock plate/breakglass	
AV-TEL2-LP*	Keylock plate (red) with screws
AV-TEL2-BG	Breakglass with screws
AV-TEL2-RBG	Replacement breakglass
Master handset/chassis assembly - master addressable	
AV-TEL2-CP1*	Master handset/chassis assembly (red), standard phone, coiled cord and hardware
AV-TEL2-CP2*	Master handset/chassis assembly (red), push-to-talk (PTT) phone, coiled cord and hardware
AV-TEL2-CP3*	Master handset/chassis assembly (red), standard phone, armored cable and hardware
AV-TEL2-CP4*	Master handset/chassis assembly (red), push-to-talk (PTT) phone, armored cable and hardware
Secondary handset/chassis assembly	
AV-TEL2-CS1*	Secondary handset/chassis assembly (red), standard phone, coiled cord and hardware
AV-TEL2-CS2*	Secondary handset/chassis assembly (red), push-to-talk (PTT) phone, coiled cord and hardware
AV-TEL2-CS3*	Secondary handset/chassis assembly (red), standard phone, armored cable and hardware
AV-TEL2-CS4*	Secondary handset/chassis assembly (red), push-to-talk (PTT) phone, armored cable and hardware
Semi-flush bezel (trim ring)	
AV-TEL2-MB*	Semi-flush bezel (red)
Retaining clip and noise cancelling microphones	
AV-TEL2-RC	Handset hook retaining clip
AV-TEL2-NCMS	Noise canceling microphone for standard phone
AV-TEL2-NCMP	Noise canceling microphone for push-to-talk (PTT) phone

* add suffix G to part number for gray colour

9564 Yellowhead Trail NW, Edmonton AB, T5G 0W4, Canada T: 1 (866) 462-7100 E: info@harding-tech.com W: www.harding-tech.com