Axis AX

Addressable Firefighter Telephone Jack

The AV-JACK can be mounted to a single-gang electrical back box and provides the capability of supporting a Portable Firefighter Telephone. The Advanced AV-PHONE is a compatible red Firefighter Telephone that has a mating male RCA ¼" plug.

When the AV-PHONE is plugged into the AV-JACK, a buzzer sounds at the Command Center indicating a request for service. Simultaneously, an associated LED flashes at the Command Center to indicate the location and identity of the incoming call. Once the Command Center operator presses the telephone connect button, the LED at the Command Center turns on steady and the LED at the AV-JACK turns on to indicate to the firefighter that the connection from the AV-JACK to the Command Center has been made.

The AV-JACK is compatible with the AV-TEL and AV-TEL-RISER6 telephone riser circuitry. The AV-TEL and AV-TEL-RISER6 circuitry create fully supervised telephone "party lines" that allow field mounted firefighter telephones to communicate with up to 5 other firefighter telephones on individual riser "party lines" as well as the Command Center telephone simultaneously. The "party line" can be configured as a Class B or Class A circuit.

Advanced has a variety of field mounted firefighter telephones to choose from. Customers may choose from either a firefighter's telephone, with AV-TEL-SUP module, that is mounted in an enclosure or an AVJACK. Any combination of up to 40 firefighters telephones and/or AV-JACKs are supported by the AV-TEL riser, while each riser of the AV-TEL-RISER6 supports 35 firefighters telephones and/or AV-JACKs. All wiring from the AV-TEL or AV-TEL-RISER6 to all field mounted firefighter telephones, and AV-JACKs are fully supervised for opens, shorts and ground faults.

The EOL Resistor supplied with the Addressable I/O Module P/N 55000- 820ADV is not required – an EOL Resistor is incorporated on the AV-JACK PCB. A 6 conductor cable is supplied with the AV-JACK and is wired to the I/O Module as shown. Red and White wires are not polarity sensitive. Yellow and Black wires are not polarity sensitive, but it is recommended to wire to the terminal positions as shown. The 6 conductor cable supplied is 12" long with 24 AWG wires. If the wires need to be extended use cable suitable for the purpose and connect using an appropriate terminal block or wire nuts. Maximum recommended distance is 30'.

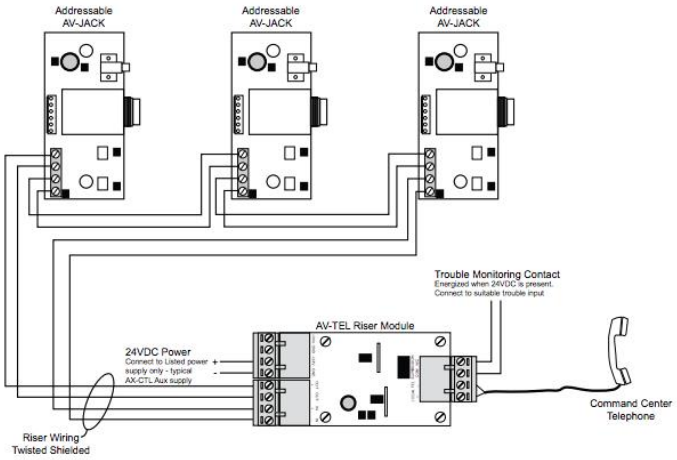
Features

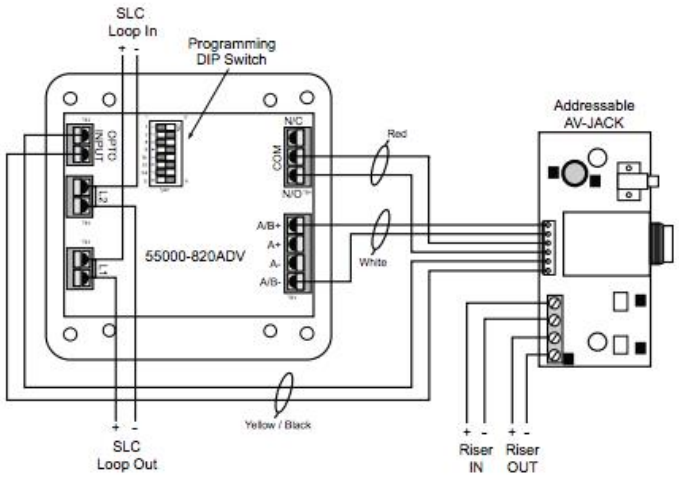
- Individually Addressable Telephone Jacks
- Phone Active LED Indicator
- Telephone Riser Supply Supervision
- Supervised against Opens, Shorts, and Grounds
- Class A or B Configuration
- Slide-in Custom Location Label
- Mounts in a Single-Gang Electrical Box
- Compatible with AV-TEL and AV-TEL-RISER6 Products
- Field Programmable for Buzzer and LED Status Indications
- Class A or B Wiring
- Five (5) Phone "Party Line" Communications per Telephone Riser
- Up to 40 AV-JACKs per AV-TEL Riser & up to 35 per AVTEL-RISER6 Riser (210 max)

Listings and Approvals

- ETL ANSI/UL 864 Listed: 101564744NYM-001
- CSFM Approved: 7165-1713:0101
- NYCFD COA #6105

Wiring Diagram





Specification

Voltage	9 - 24 VDC
Current Draw	10 mA Quiescent / 30 mA Active
Wire Gauge	12 - 22 AWG, All Circuits Power Limited
Environment	Indoor Use Only
Electrical Backbox	Single-Gang (3 1/2” deep) or Double Gang (with single-gang plaster ring) per NEC, Article 314

Order Codes and Options

AV-JACK	Addressable Firefighter Telephone Jack. Fully Supervised. Includes Phone Active LED that illuminates upon connection with Command Center Telephone
AV-PHONE	Portable Firefighter Phone Handset (red) with RCA ¼” plug.
AV-TEL	Firefighter Phone w/Telephone Riser Module and Enclosure. Mounts to inner door of AX Command Centers.

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As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice.