

Figure 2.14 Wiring Phone Jacks

2.6.2 4XTMF Transmitter Module Installation

The 4XTMF provides a supervised output for a local energy municipal box transmitter in addition to alarm and trouble reverse polarity. A jumper option allows the reverse polarity circuit to open with a system trouble condition if no alarm condition exists. A disable switch allows disabling of the transmitter output during testing to prevent accidental calling of the monitoring service.

Local Energy Municipal Box Service (NFPA 72 Auxiliary Fire Alarm Systems):

Supervisory Current: 5.0 mA

Trip Current: 350 mA (subtracted from notification appliance power)

Coil Voltage: 3.65 VDC

Maximum Coil Resistance: 14.6 ohms

Maximum allowable wire resistance between panel and trip coil: 3 ohms

Municipal Box wiring can leave the building

Remote Station Service (NFPA 72 Remote Station Fire Alarm Systems) - Intended for connection to a polarity reversal circuit or a Remote Station receiving unit having compatible ratings:

Maximum load for each circuit: 10 mA

Reverse polarity output voltage: 24 VDC

Remote Alarm and Remote Trouble wiring can leave the building

Before installing the module, place the disconnect switch to the right (disconnect) position to prevent accidental activation of the municipal box. Note that a Disconnect LED will illuminate after the module is installed in the FACP. In addition, the System Trouble LED will turn on to indicate the Disconnect condition.

Note: 4XTMF Module is not suitable for transmitting reverse polarity supervisory signal.

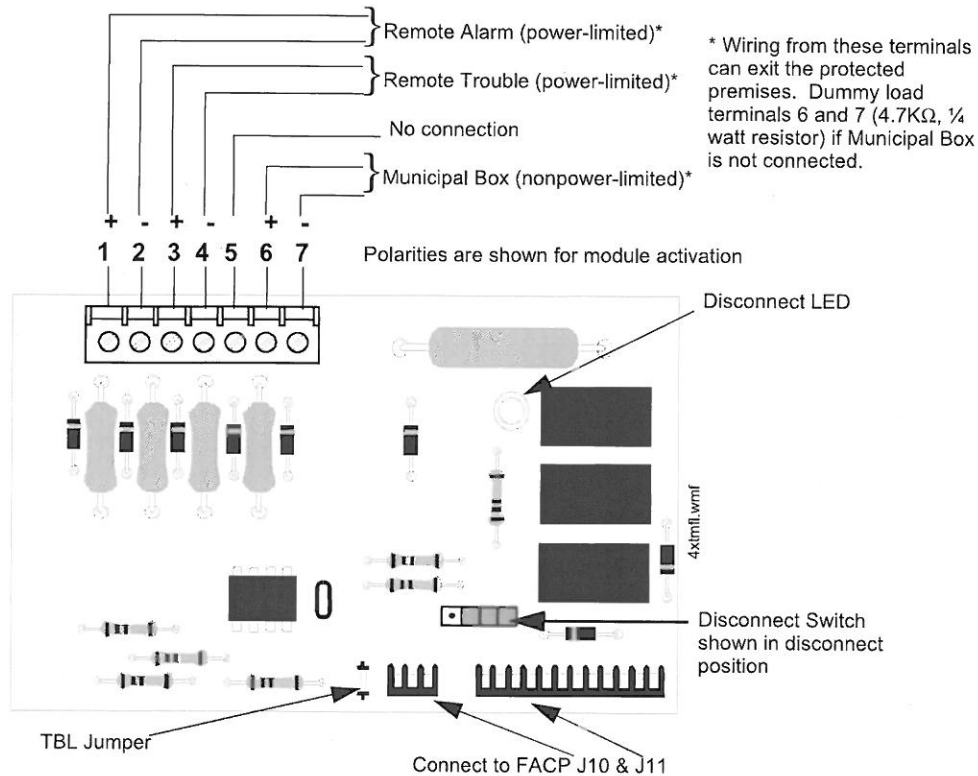


Figure 2.15 4XTMF Transmitter Module

The following steps must be followed when installing the 4XTMF module:

1. Remove all power (AC and DC) from the FACP before installing 4XTMF
2. Cut jumper JP6 on the main circuit board to allow the control panel to supervise the 4XTMF module
3. The NACKEY Card must be separated at the score mark to allow connection of the 4XTMF module (refer to Figure 2.6 on page 32 for complete information)
4. Carefully plug the connectors on the 4XTMF module into connectors J10 and J11 on the FACP main circuit board, being careful not to bend any pins
5. Secure 4XTMF module to standoffs with supplied screws.
6. Reapply power to the FACP
7. For proper 4XTMF operation, the output relays must be programmed for the factory default settings as shown on the PC board silkscreen: Alarm Relay, Trouble Relay and Supervisory Relay

8. When the installation has been complete, enable the 4XTMF module by sliding the disconnect switch to the left
9. Test system for proper operation

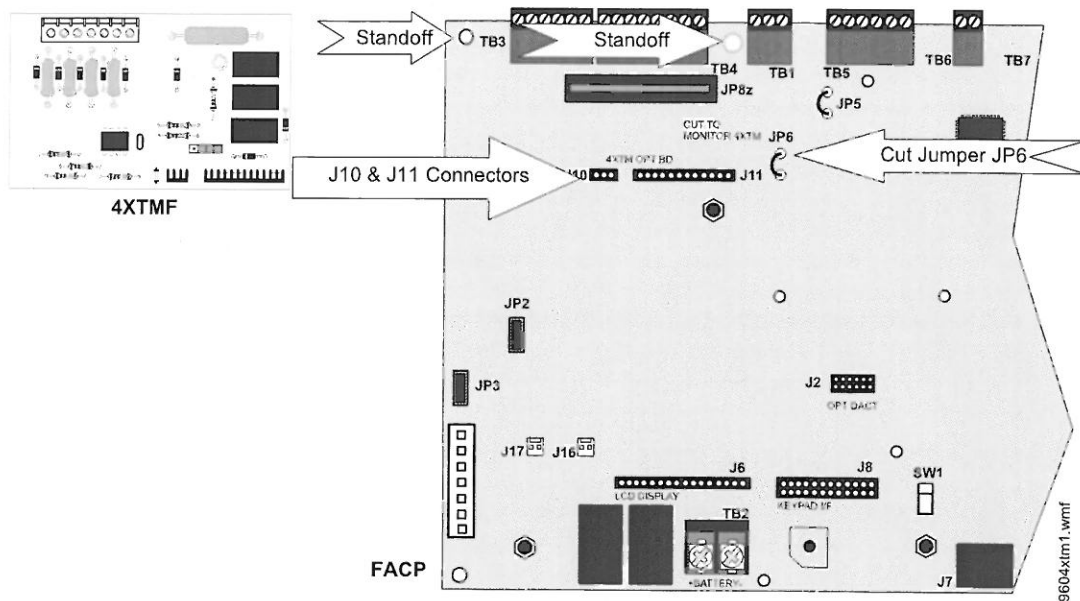


Figure 2.16 4XTMF Connectors to FACP Connectors



NOTE: Jumper JP5 on the FACP main circuit board can be used to configure the FACP supervisory relay for operation with the 4XTMF module. The supervisory relay must be programmed as shown on the main circuit board silk-screen (TB5, Terminals 4, 5 & 6). Cutting JP5 will allow the 4XTMF to generate a trouble if the supervisory contact opens. Leaving JP5 in will prevent generation of a trouble if the supervisory contact opens.

2.6.3 Auxiliary Trouble Input (J16 & J17)

Auxiliary Trouble Inputs 1 (J17) and 2 (J16), which are located on the FACP main circuit board, can be used to monitor for trouble conditions on auxiliary equipment such as power supplies. J16 and/or J17 can be connected to any open collector trouble output on the auxiliary equipment. The control panel will indicate a trouble condition if a trouble is sensed at the Auxiliary Trouble Inputs.

If the 4XTMF Module is installed and FACP jumper JP6 has been cut to supervise it, Auxiliary Trouble Input 1 (J17) will monitor the 4XTMF for trouble conditions.

2.6.4 SLC-2LS Expander Module

The optional SLC-2LS Expander Module provides a second SLC loop for the FACP control panel. This allows connection of an additional 318 addressable devices, bringing the total to 636 addressable devices which can be connected to the FACP. Refer to the SLC Wiring Manual for information on connecting devices to the SLC.

IMPORTANT! When SLC wiring is run in conduit, each SLC loop must be installed in separate conduit.

The following steps must be followed when installing the SLC-2LS Expander Module:

1. Remove all power (AC and DC) from the FACP before installing the SLC-2LS module
2. Remove four screws from main FACP motherboard, from locations indicated in following illustration, and replace with four supplied metal standoffs