



Prosper Fire Department

1500 E. First Street, P.O. Box 307, Prosper, Texas 75078
(972) 346-9469 Fire Marshal direct (972) 347-3010 Facsimile

Fire Alarm Telephone Line Requirements

The most widely used means for transmitting signals is a digital alarm communicator transmitter (DACT) connected through 2 transmission lines to the UL Listed Central Station. The DACT will be located on the main fire alarm control panel. The Code requires the primary channel to be a telephone line. The secondary channel can be a second telephone line, or one of 6 other transmission means as listed in NFPA 72 (radio, internet, wireless, etc.). As far as the primary telephone line, the DACT must be connected to the public switched telephone network upstream of any private telephone system at the building. This means if an alarm signal is transmitted, it will automatically secure the line and take priority. It also requires that the connection be to a loop start telephone circuit. Historically, this meant connection to the copper conductors of a plain old telephone system (POTS) provided by the phone company. With new technologies, the phone company may provide other means of transmission other than POTS. This is acceptable if permitted by the AHJ and installed per NFPA 72.