

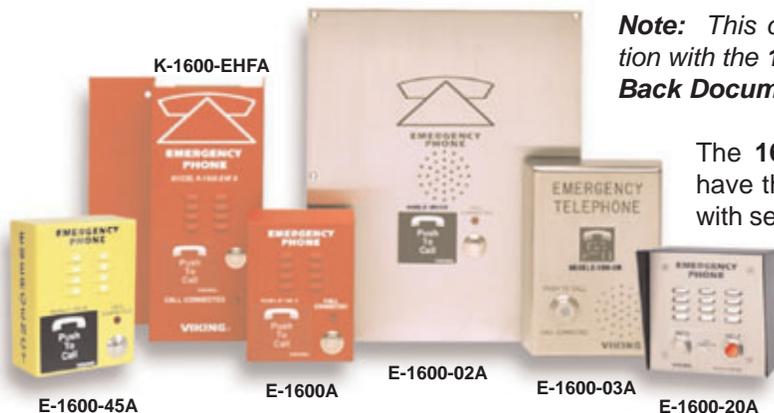
APPLICATION Note

TELECOM SOLUTIONS FOR THE 21ST CENTURY

**1600A Series
Central Station
Monitoring**

August 28, 2001

Using the 1600A Series Phones with Central Station Equipment



Note: This document must be used in combination with the 1600A Series Technical Practice (Fax Back Document 215).

The 1600A Series emergency telephones have the capability to communicate directly with several central station receiver formats. In this mode, the emergency phone will automatically relay vital information to compatible equipment at central alarm monitoring stations.

Once the receiver has issued the proper acknowledgement tone, the **"CALL CONNECTED"** indicator on the front of the emergency phone will light, and the 1600A phone will then switch to two-way voice or call a voice line.

! *The 1600A Series emergency phone may NOT be compatible with certain Central Station Monitoring equipment. If you experience problems, contact Product Support at 715-386-8666.*

Programming

The standard 1600A emergency phone is factory programmed to communicate using the "Ademco Contact I.D.", "Ademco High Speed", "DTMF 4+1 Express", or the "DTMF 4+2 Express" formats. All formats use the programming memory location #20 to store the account code and alarm details.

A. Programming Features

1. Accessing the Programming Mode

Before programming, you must access the programming mode (see 1600A Technical Practice, section A).

2. Enabling/Disabling Central Station Mode

The 1600A Series emergency phone can be placed in the "Central Station Mode" by entering a central station phone number in position #05 while programming. To cancel the "Central Station Mode," clear position #05 by entering #05 (see 1600A Technical Practice, section F).

3. Ring Delay

When the 1600A Series emergency phone is in the "Central Station Mode", it is best to have the ring delay set to a minimum of three. Some receivers send a long tone after answering the line that sounds like a ring back, and if the 1600A is set to a ring delay of two, the phone will disconnect (see 1600A Technical Practice, section F).

4. Speed Dial Numbers

The 1600A Series phone can be programmed to dial a central station receiver only, or dial up to 5 voice numbers first, and if no answer, then dial the central station receiver. When calling the first numbers (memory positions #00-#04, see 1600A Technical Practice, section C), the phone stays in "two-way talk mode" allowing two-way conversation. When calling the Central Station number (memory position #05), the phone is in a "listen only mode" in order to interpret the hand shake signal of the receiver.

A second central station number position has been provided in location #06 that is used when the central station receiver does not have a talk over mode. If a number is placed in position #05 and position #06 is cleared, the operation is as follows: the E-1600A will call the central station monitor receiver first. After the receiver sends a kiss-off, the E-1600A lights the "Call Connected" LED and goes into two-way talk mode.

