

May 11, 2001

Log #: AN-0143

## Interfacing Fidelity TeleAlarm with Freeset DCT1900

### Overview

The RS232/TAP interface enables the Freeset DCT1900 system to receive alphanumeric messages addressed to its users by wireless number. The TAP (Telocator Alphanumeric Protocol) version 1.8 is used.

The Fidelity TeleAlarm is connected to a server or workstation that is directly connected to the Freeset DCT1900 system. The server or workstation is installed with the Fidelity TeleAlarm System Monitor software. Paging messages received from the Fidelity TeleAlarm are monitored by System Monitor and delivered to the wireless telephone.

### Technical Discussion

Text (paging) messages are sent to the Freeset DCT1900 System from the server or workstation via a serial (RS232) connection.

The maximum size of the text message delivered to the wireless phone is 100 characters.

### Solution

This section gives a brief description of recommended settings and configurations of the components involved in this application.

#### ***Physical Connection***

Connect the Fidelity TeleAlarm messaging equipment to a communication port on the server or workstation. Then connect the remaining communication port on the server or workstation to the DB9 printer port of the Radio Exchange cabinet using a null cable that is provided by Ascom. See PC Cable Pin-out in TPM in section 5, page 26-5. The TeleAlarm system will need to be set up for the TAP 1.8 protocol. The port settings of the adjoining messaging equipment are 9600, 7, Even, 1 and No Flow Control. Use the Freeset CSM to enable the printer port as a TAP interface.

#### ***Fidelity TeleAlarm Configuration***

For further details, please refer to the configuration and installation manual of the Fidelity TeleAlarm system.

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## ***Ascom DCT1900 Configuration***

The Ascom Freeset DCT1900 must meet minimum requirements to support SMS.

### **Minimum Requirements**

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|----|-------------------|-----|
| 1. | CPU Firmware      | R4A |
| 2. | Base Station code | R3A |
| 3. | DT600 Code        | R2A |
| 4. | DT620 Code        | R2A |
| 5. | CSM/CSS           | R4A |

### **Additional Information**

For further details, please refer to the Freeset Technical Product Manual of Ascom or contact the Technical Department at 1-877-712-7266.