

August 23, 2001

Log #: AN-0251

Interfacing Rauland-Borg Responder 4000 Nurse Call System with Freeset DCT1900

Overview

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

The Rauland-Borg Responder 4000 Nurse Call system is directly connected to the DCT1900 Freeset system. Paging messages received from the Rauland-Borg Responder 4000 system are delivered to the wireless telephone.

Model verified is the Rauland-Borg Responder 4000 with R4KWARE Version 1.0 installed.

Technical Discussion

Text (Paging) messages are sent to the DCT1900 Freeset System from the Rauland-Borg Responder 4000 system 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 Rauland-Borg Responder 4000 Nurse Call messaging equipment 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 Rauland-Borg Responder 4000 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.

Rauland-Borg Responder 4000 Configuration

For further details, please refer to the configuration and installation manual of the Rauland-Borg Responder 4000.

August 23, 2001

Log #: AN-0251

Ascom® DCT1900 Configuration

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

Minimum Requirements

- | | | |
|----|-------------------|-----|
| 1. | CPU Firmware | R4A |
| 2. | Base Station code | R3A |
| 3. | Darla code | R2A |
| 4. | Dixie 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.