ACROPRINT®
Time for Business.™

Reference: FCC Filing for RK412Ø7 (ATRx Terminal)

5640 Departure Dr.
Raleigh, NC 27616
November 19, 2003

ATRx Terminal Operation

The ATRx 10 and 20 Terminals are proximity badge terminals. The terminal interfaces to a personal computer through Acroprint's Attendance Rx software. The terminal is powered by a wall mounted transformer.

The ATRx 10 is the primary terminal which connects directly to a personal computer through the RS 232 communication port. The connection to the computer is accomplished through a 9-pin connector to the PC that connects to an RJ11 cable and is connected into an RJ11 connector on the back of the ATRx 10 Terminal. The wall mounted transformer plugs into the power jack on the back of the terminal.

The Attendance Rx software will initiate communication with the ATRx 10 Terminal and communicate the PC's date and time which is then displayed on the terminal. When a proximity badge is brought close to the front of the terminal, the badge identification is communicated to the PC and logged by the Attendance Rx software. The proximity badge terminal functions by transmitting a 128 kHz signal that excites a chip within the badge. The badge then transmits its identification back to the terminal.

The ATRx 20 terminal is a secondary terminal which connects to the primary terminal through an RS485 network. Up to 31 additional ATRx 20 Terminals can be connected together. A 485 cable is connected to the 485 port on the back of the ATRx 10 Terminal and to the back of the ATRx 20 Terminal. If additional ATRx 20 Terminals are required they will be connected through each subsequent terminal. The ATRx 20 Terminal will be powered by a wall transformer. The ATRx 20 Terminal communicates through the ATRx 10 Terminal to the PC.