**Before you begin**

You'll need the following hardware:
- RS485 to RS232 Converter Assembly
- Junction boxes (minimum of 2 plus one box for each additional terminal)
- Modular cable (minimum of 2 plus one cable for each additional terminal)
- Teflon Cable (lengths available: 100’, 200’, 500’, 1000’)

Follow the setup instructions on this Quick Start sheet.

**RS485 Wiring diagram**

The RS485 Serial port is located on the left corner of the terminal. RS485 is imprinted on the terminal casing.

RS485 communications allow up to 32 terminals to be connected to one serial port. An RS232 port on the host PC is used with an RS-232/RS485 converter to complete the connection.

RS485 provides good protection from interference over long runs up to 4000 feet.

NOTE: When wiring a network, always follow the electric wiring codes in your area. Typically, a Teflon coated wire is required for wiring through a ceiling. The junction box to junction box wire shown is a Teflon jacketed cable.

**Configure the RS485 terminal**

Connect the software security key to a work-station PC Serial port. An RS232 converter assembly is used with an RS485 communications port on the host PC to complete the connection.

Connect the power supply to the ADCT. The ADCT must be connected to the computer parallel printer port. If the computer has a 25-pin male serial port, you will need a 9-pin male to 25-pin female null modem adapter, available through most computer stores.

To login, type ATR20/20 into your CD-ROM drive. Click Start on the taskbar, select Run, type D:\ATR20/20\Setup.exe (where D is your CD-ROM drive), then click OK.

Follow the instructions on the screen.

**The Wizard Setup**

Click on the ATR20/20 ICON on the desktop.

To login type ATR20/20 for user and password for password.

The Wizard will guide you through the complete setup of the program.