Use these instructions when using the TCP/IP adapter, part number 1830-186. This is a Plug and Play device (no manual setup required) and uses the DKS Data over IP or VoIP Voice + Data subscription service. For manual setup (no subscription required), use TCP/IP adapter part number 1830-185.

NOTE: THIS DEVICE IS NOT COMPATIBLE WITH CELLULAR NETWORKS.

You can use the 1830-186 Converter Kit with the following DKS Systems:
- 1833, 1834, 1835, 1837, 1838 with REV Y board (or higher).

16.5 VAC power is required at the Aux Terminal pins 1 and 2 in the 1830 Series controller:

Refer to these manuals for detailed 1830 Series wiring information:
- P/N 1834-065 or P/N 1835-065 Telephone Entry Systems Installation Manual
- P/N 1838-065 Access Controller Installation Manual

Connection via INTERNET

RS-232 A(+) B(-)

RS485

Network Interface Device

LAN

Modem

Router

Connection via LAN

RS-232 & 485 To Ethernet

RS-232 & 485 To Ethernet

Reload Defaults

RS-232 Cable
P/N 1818-040
(6 Ft. Cable)

RS232 wire runs limited to 500 feet maximum. If greater distance is needed, use RS322 to RS422 Extender Kit, P/N 1830-190 (4000 Feet maximum distance).

Ethernet wire runs limited to 330 Ft. Maximum.

Note:
- RS-232 wire runs are limited to 500 feet maximum. If greater distance is needed, use RS322 to RS422 Extender Kit, P/N 1830-190 (4000 Feet maximum distance).

Connect Converter to 1830 Series Circuit Board RS-232 Terminals

<table>
<thead>
<tr>
<th>BOARD TERMINALS</th>
<th>DB - 9 PINS</th>
<th>DB - 25 PINS</th>
<th>FUNCTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3</td>
<td>2</td>
<td>Transmit Data</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>3</td>
<td>Receive Data</td>
</tr>
<tr>
<td>3</td>
<td>7</td>
<td>4</td>
<td>Request to Send</td>
</tr>
<tr>
<td>4</td>
<td>8</td>
<td>5</td>
<td>Clear to Send</td>
</tr>
<tr>
<td>5</td>
<td>5</td>
<td>7</td>
<td>Signal Ground - Shell</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td>Not Used</td>
</tr>
</tbody>
</table>

Ethernet wire runs limited to 330 Ft. Maximum.
Programming Instructions when using the 1830-186 Plug & Play TCP/IP Converter Kit

**At the Programming Computer (PC Only)**

1. **Install the Remote Account Manager software version 6.3.i on the programming PC and register the software by following the on screen instructions.**

   **Choose IM / DKS VoIP to register for a Data over IP or VoIP Voice + Data subscription.**

   **Complete the required contact information and then click Register.**

   **Select the first choice.**

2. **Setup the 1830 Series Entry System for Data over IP or VoIP Voice + Data**

   1. **In Service Type, choose VoIP Voice + Data or Data over IP.**
   2. **If VoIP Voice + Data was selected, enter the VoIP ID code that came with the VoIP adapter.**
   3. **If Data over IP was selected, a 10 digit number will be generated for you.**
   4. **Enter the system Master Code.**

   **Setup an Account in the Remote Account Manager Software 6.3.i**

   1. **Connection Option, choose VoIP Voice + Data or Data over IP.**
   2. **Enter the VoIP ID code that came with the VoIP adapter, or enter a 10 digit code that was generated for you.**
   3. **Enter the system Master Code that was set at the entry system.**

**Program the 10-Digit Telephone Number / System ID at the Entry System**

Program the 10 Digit System Phone or ID Number at the entry system keypad:

   1. * 5 9 _ _ _ _ (Master Code) (beep).
   2. Enter the 10 Digit Phone / ID Number _ _ _ _ _ _ _ _ _ _ then press * (beep).
   3. Press 0 # together to exit the programming sequence (beeeeeep).

To test the connection at the entry system:

   1. * 2 9 _ _ _ _ (Master Code). The system will respond with:
      1 beep – display reads “System is Registered” You’re Done!
      2 beeps – display reads “Check Registration” Communication to the server is good, but check below for errors.

**Summary**

<table>
<thead>
<tr>
<th>Server Registration</th>
<th>System Information (software)</th>
<th>System (hardware)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Service Type</td>
<td>Connection Option</td>
<td>System Phone / ID</td>
</tr>
<tr>
<td>System Phone / ID</td>
<td>Master Code</td>
<td>Master Code</td>
</tr>
<tr>
<td>Master Code</td>
<td>Master Code</td>
<td>Master Code</td>
</tr>
</tbody>
</table>