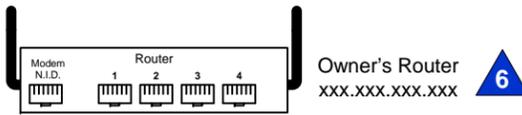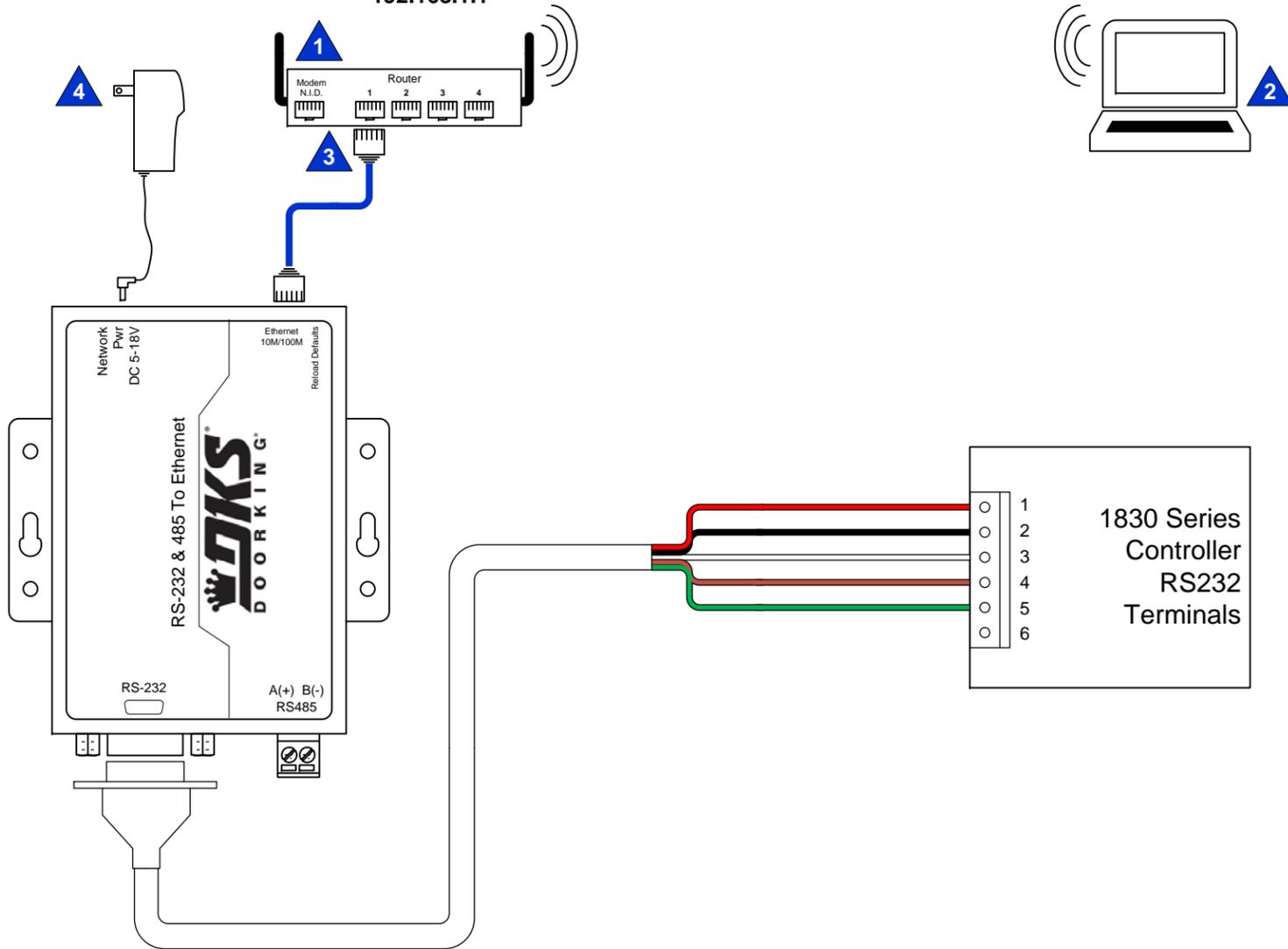# Use these programming instructions only if the factory defaults in the converter need to be changed

A — Programming the 1830-188 TCP/IP Converter (only if necessary)

1. We recommend using a separate router to make the connection to the 1830-188 so that it is not necessary to change any of the owner's router setup details.

2. Login (wired or wirelessly) to the setup router with a computer. The IP address for this router must be 192.168.1.1.

3. Using the **network cable supplied** with the 1830-185 kit, plug one end into the setup router and the other into the **CONVERTER**.

4. Power the **CONVERTER** with the supplied power supply.

5. Make any necessary changes to the 1830-188 per instructions in **Part B.**

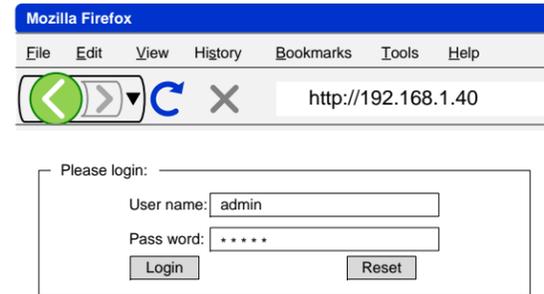6. Remove the network cable from the setup router when completed, and plug it into the owner's router.

Modem N.I.D.   Router   1 2 3 4   Owner's Router   **6**
xxx.xxx.xxx.xxx

Temporary Setup Router (provided by installer)
192.168.1.1

Modem N.I.D.   Router   1 2 3 4

1   **2**   **3**   **4**

Network Pwr DC 5-18V   Ethernet 10M/100M   Reload Defaults

RS-232 & 485 To Ethernet

DKS DOORKING

RS-232   A(+) B(-) RS485

| 1 |
| 2 |
| 3 |
| 4 |
| 5 |
| 6 |

1830 Series
Controller
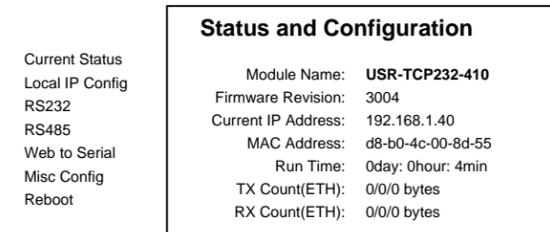RS232
Terminals

B — Accessing the 1830-188 Menus

1. Open any browser and type in the address of the
   CONVERTER: http://192.168.1.40

   The user Log In window for the **CONVERTER** will appear.

   Mozilla Firefox

   File   Edit   View   History   Bookmarks   Tools   Help

   http://192.168.1.40

   Please login:
   User name: admin
   Pass word: • • • • •
   [Login]   [Reset]

2. Enter the User name and pass word:
   User name: admin
   Pass word: admin

   The Status and Configuration window will appear.

   Status and Configuration

   Current Status
   Local IP Config
   RS232
   RS485
   Web to Serial
   Misc Config
   Reboot

Module Name:	USR-TCP232-410
Firmware Revision:	3004
Current IP Address:	192.168.1.40
MAC Address:	d8-b0-4c-00-8d-55
Run Time:	0day: 0hour: 4min
TX Count(ETH):	0/0/0 bytes
RX Count(ETH):	0/0/0 bytes

You can access settings of the **CONVERTER** **C** by using the menu at the left in the Status and Configuration screen. Only selections 1, 2 and 6 apply to this module.

It is highly recommended that you **DO NOT** change the password on the authentication screen. DoorKing will not be able to assist you if you don't know your ID or password. This system status window is informational and there's no need to change anything here.

Reset:
1. Remove power from module.
2. Press the Reload button and apply power.
3. Hold the reload button for 3 seconds, then release.

Module is now reset. TCP IP address will be 192.168.1.40. User name and password will be admin. All other settings will need to be configured.

C — Changing 1830-188 Settings

Port 0 Settings
The current settings for port 0 may be changed using the form below.

Current Status
Local IP Config
RS232
RS485
Web to Serial
Misc Config
Reboot

Baud Rate:	19200	bps
Data Size:	8	bit
Parity:	None	
Stop Bits:	1	bit
Flow Control and RS485:	Hardware	
Local Port Number:	1040	
Remote Port Number:	23	
Work Mode:	TCP Server	None
TCP Server detail:	default	type
Remote Server Addr:	192.168.0.201	[N/A]
Timeout:	0	seconds (< 256, 0 for no timeout)
UART packet Time:	10	ms (< 256)
UART packet length:	512	chars (< = 1460, 0 for no use)
Sync Baudrete (RF2217 similar):	☑	

[Save] [Cancel]

Notes:
Baud Rate can only be set to 9600 or 19200. These are the only two speeds that 1830 Series boards will run at. Leave all other settings as shown when the converter is used in the **Server Mode.**

IP Address Selection

Current Status
Local IP Config
RS232
RS485
Web to Serial
Misc Config
Reboot

IP type:	Static IP
Static IP:	192	168	1	40
Submask:	255	255	255	0
Gateway:	192	168	1	1

[Save] [Cancel]

Notes:
These are the default settings and should be left alone. If the static IP address is changed, the module will lose communication with the PC. You will need to log into the module at the new IP address using the browser.

Using a setup router **1** eliminates the need to login into the owner's router and changing the IP address there to access the TCP/IP adapter menus.
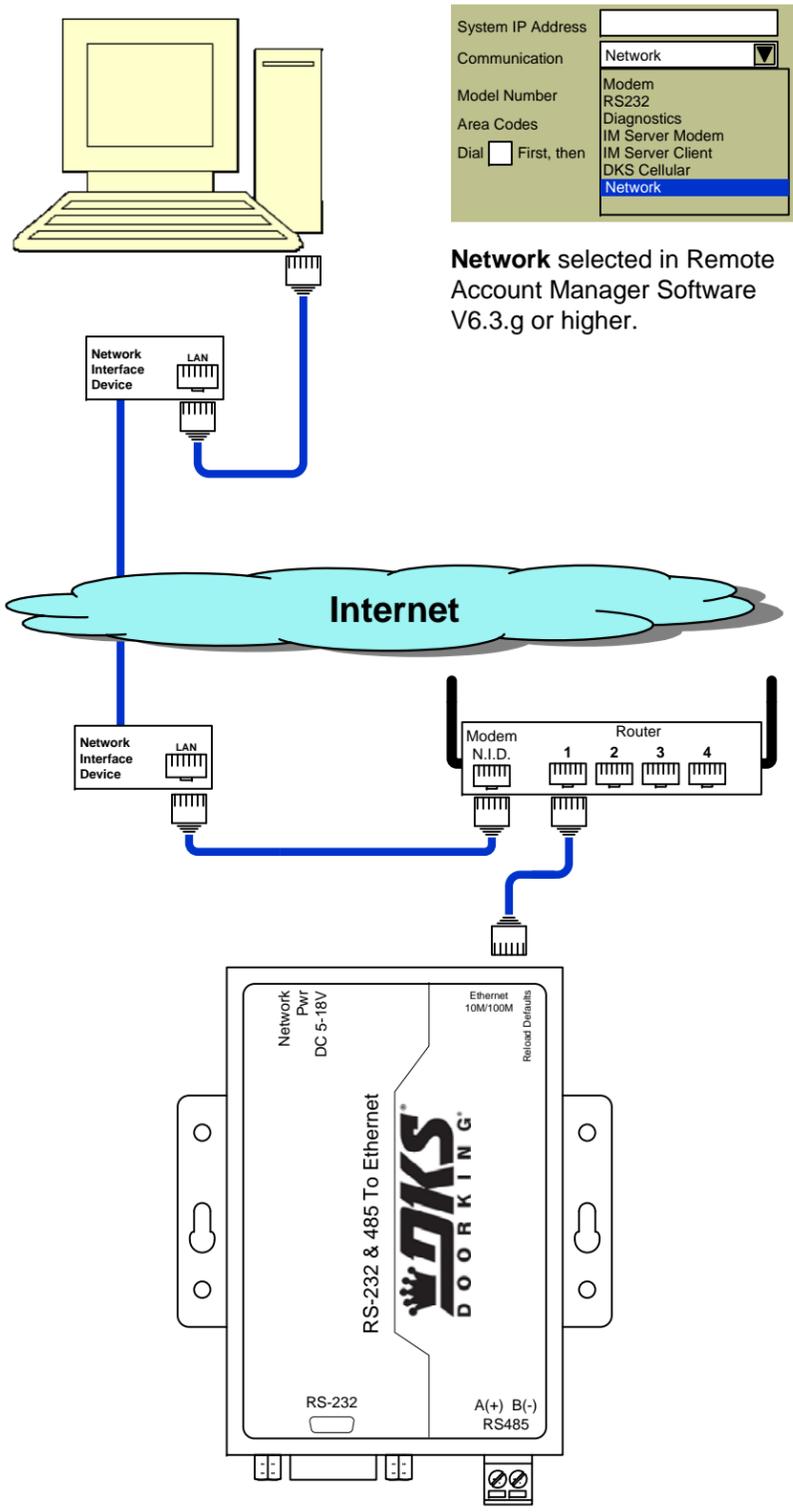
Set the IP address on the setup router to 192.168.1.1, otherwise you will not be able to communicate with the TCP/IP adapter.

Don't forget to plug the network cable from the TCP/IP adapter **3** into the owner's router **6** once programming is completed.

INSTRUCTIONS FOR 1830-185 TCP/IP MANUAL MODE to RS-232 CONVERTER KIT

Connection via **INTERNET**

System IP Address
Communication: Network
Model Number
Area Codes
Dial [ ] First, then

Network
Modem
RS232
Diagnostics
IM Server Modem
IM Server Client
DKS Cellular
Network

Network selected in Remote Account Manager Software V6.3.g or higher.

Network Interface Device — LAN

Internet

Network Interface Device — LAN

Modem N.I.D. | Router 1 2 3 4

RS-232 & 485 To Ethernet — Network Pwr DC 5-18V — Ethernet 10M/100M — Reload Defaults
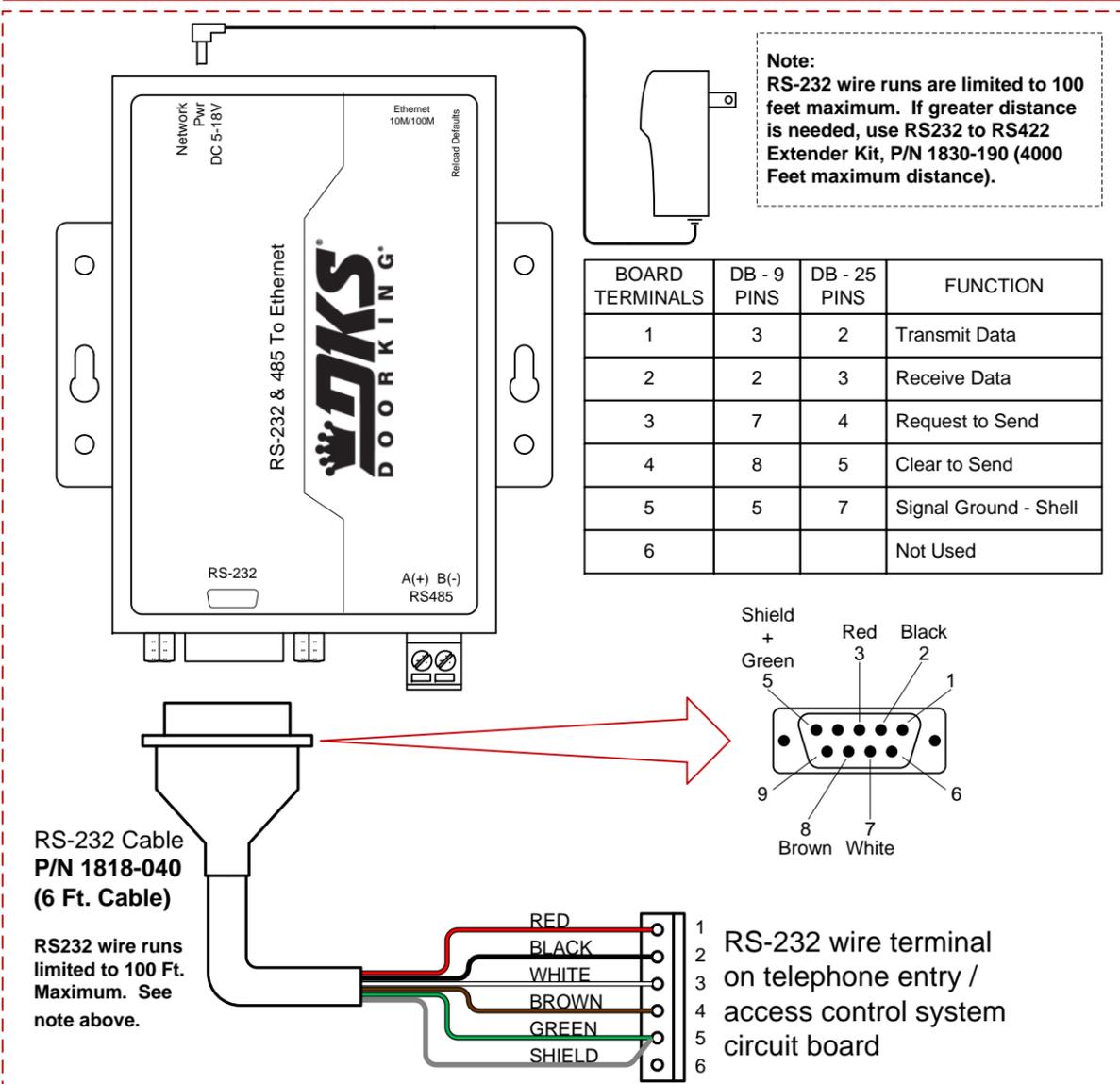
RS-232 — A(+) B(-) RS485

General Information

Use these instructions when using the TCP/IP adapter, part number 1830-185. This device is a manual setup (no subscription required). For Plug and Play setup (no manual setup required) use TCP/IP adapter part number 1830-186 (IM Server Client subscription service required).

You can use the 1830-185 Converter Kit with the following DKS Systems:
1830 Series Telephone Entry and Access Control Systems (1833, 1834, 1835, 1837, 1838).

Refer to these instruction manuals for additional information:
P/N 1835-065 Telephone Entry Systems Installation Manual
P/N 1838-065 Access Controller Installation Manual
P/N 1835-066 Remote Account Manager Software User Manual

Connect Converter to 1830 Series Circuit Board RS-232 Terminals

RS-232 & 485 To Ethernet — Network Pwr DC 5-18V — Ethernet 10M/100M — Reload Defaults

RS-232 — A(+) B(-) RS485

Note:
RS-232 wire runs are limited to 100 feet maximum. If greater distance is needed, use RS232 to RS422 Extender Kit, P/N 1830-190 (4000 Feet maximum distance).

BOARD TERMINALS	DB - 9 PINS	DB - 25 PINS	FUNCTION
1	3	2	Transmit Data
2	2	3	Receive Data
3	7	4	Request to Send
4	8	5	Clear to Send
5	5	7	Signal Ground - Shell
6			Not Used

Shield + Green 5 — Red 3 — Black 2 — 1
9 — 6
8 Brown — 7 White

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

RS232 wire runs limited to 100 Ft. Maximum. See note above.

RED — 1
BLACK — 2
WHITE — 3
BROWN — 4
GREEN — 5
SHIELD — 6

RS-232 wire terminal on telephone entry / access control system circuit board

Connection via **LAN**

System IP Address
Communication: Network
Model Number
Area Codes
Dial [ ] First, then

Network
Modem
RS232
Diagnostics
IM Server Modem
IM Server Client
DKS Cellular
Network

Network selected in Remote Account Manager Software V6.3.g or higher.

Internet

Network Interface Device — LAN

Modem N.I.D. | Router 1 2 3 4

RS-232 & 485 To Ethernet — Network Pwr DC 5-18V — Ethernet 10M/100M — Reload Defaults

RS-232 — A(+) B(-) RS485