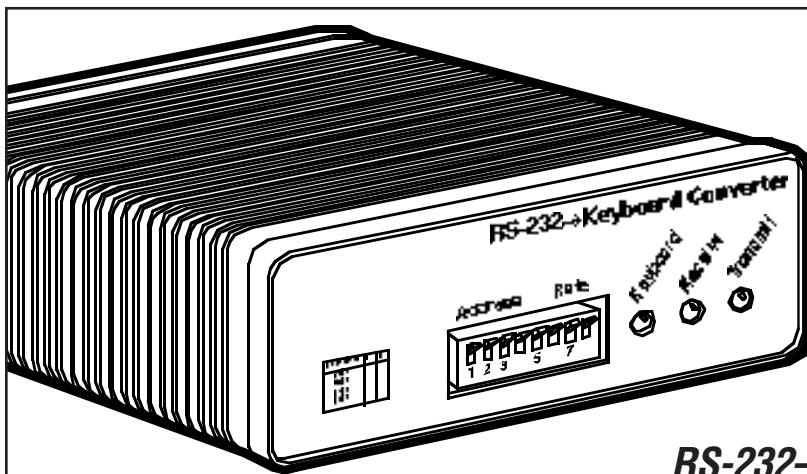


# BLACK BOX<sup>®</sup>

## NETWORK SERVICES

### RS-232'KEYBOARD CONVERTER AND KEYBOARD'RS-232 CONVERTER



***RS-232—through your keyboard port!***

## Key Features

- ▶ Both models support ASCII. IC812A-R2 also supports hex, binary, key scan codes, and DOS scan codes.
- ▶ Data rates of up to 76.8 kbps with the IC813A or up to 9.6 kbps with the IC812A-R2.
- ▶ Multidrop up to 54 addressable RS-232'Keyboard Converters in RS-485 environments.

Converting between PC keyboard signals and any RS-232 device has never been easier. The Keyboard'RS-232 Converter translates keyboard signals to RS-232, and the RS-232'Keyboard Converter lets you tap into a PC keyboard port with an RS-232 or RS-485 serial interface—and still use the keyboard.

**Keyboard'RS-232 Converter**  
With the Keyboard'RS-232 Converter, you can convert between PC keyboard signals and any RS-232 device. The Converter accepts standard PC keyboard scan codes on its keyboard input marked "KBD." It changes these codes from the bit sync protocol and +5-volt level generated by a

standard PC keyboard to an async RS-232 protocol with RS-232 voltage levels then outputs them on a female DB25 connector.

Data rates, up to 76.8 kbps, are switch-selectable.

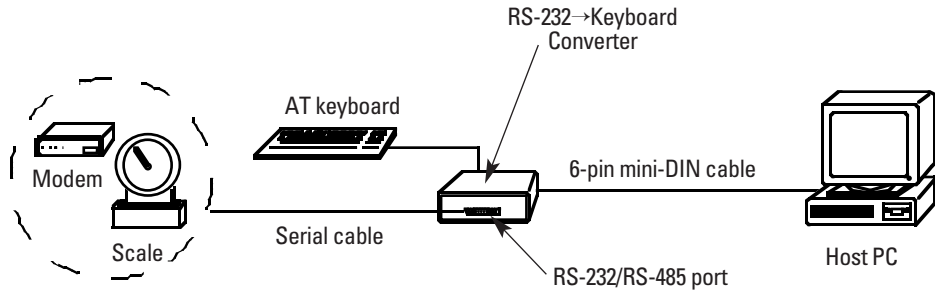
#### RS-232'Keyboard Converter

Supporting data rates up to 9600 bps, this Converter can be used a variety of applications:

- Simulating keystrokes for software testing,
- using one RS-485 host to simultaneously control the testing of up to 54 RS-485 target systems,
- monitoring keyboard activity,
- adding an RS-232 or RS-485 port to a PC, or
- connecting a keyboard to an RS-232 or RS-485 port.

The RS-232'Keyboard Converter is equipped with one DB25 female port for RS-232 or RS-485 device connection, plus two 6-pin mini-DIN ports for input/output connection of an AT keyboard. No AC power or batteries are required; the Converter draws all necessary operating power from the interfaces.

The Converter supports ASCII, Hex, Binary, Key Scan Codes, and DOS Scan Codes.



Creating an “extra” RS-232 or RS-485 port for a remote input device.

## Specifications

### IC812A-R2

Transmission Format — Asynchronous, half-duplex  
 Data Rates — 1200, 2400, 4800, and 9600 bps  
 Codes Accepted — Character, hex ASCII, scan code, key code  
 Multiple Drops — Supports 58 addressable units in an RS-485 multipoint environment  
 Data Turnaround Modes — Line-Oriented or Immediate  
 LEDs — Keyboard, Receive, Transmit  
 Serial Interface — RS-232 or RS-485 2-wire (jumper-selectable)  
 Connectors — (1) DB25F for RS-232 and RS-485 device connection; (2) 6-pin mini-DIN connectors  
 Temperature Range — 0 to 50°C  
 Power Supply — Interface-powered, obtains operating power from data and control signals  
 Size — 4.1H x 10.7W x 9.7D cm

### IC813A

Data Format — 7 or 8 data bits, switch-selectable  
 Data Rates — 600 bps to 76.8 kbps, switch-selectable  
 System Requirements — PC AT®, PS/2®, or compatible  
 Interface — ASCII/232  
 Connectors — (2) 6-pin DIN female, (1) DB25 female  
 Power — 115-VAC wallmount transformer  
 Size — 3.8H x 12.7W x 12.7D cm  
 Weight — 0.3 kg

## Ordering Information

ITEM	CODE
RS-232 Keyboard Converter .....	IC812A-R2
Keyboard RS-232 Converter .....	IC813AE
<u>You might also want to order...</u>	
RS-232 Cable, 25-Conductor, 10-ft. (3-m).....	ECM25C-0010