BLACK BOX®
NETWORK SERVICES

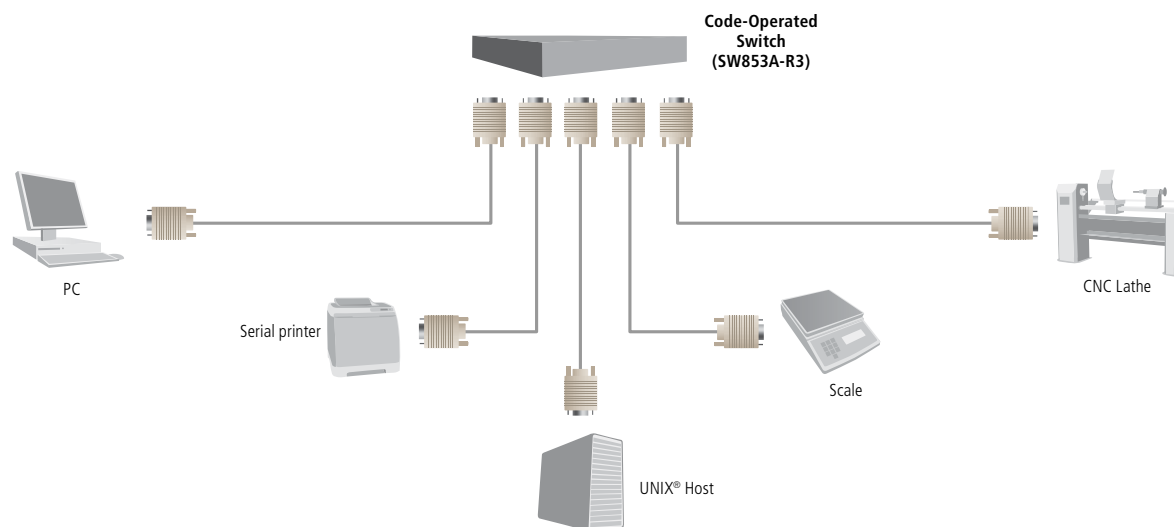## RS-232 and RS-422 Code-Operated Switches

Control up to eight serial devices—RS-232 or RS-422—from your PC.

FEATURES

» Support speeds to 115.2 kbps!

» Keep your connection safe—once a connection is made, other ports are locked out.

» DTE/DCE-selectable, so you can switch between a modem and a printer.

» Safe for use with laser printers.

» Includes a hardware-handshake lead in each direction for added control.

Typical application

Code-Operated Switch (SW853A-R3)

PC

Serial printer

UNIX® Host

Scale

CNC Lathe

OVERVIEW

The Black Box® Code-Operated Switch (RS-232 or RS-422) enables you to switch your serial devices with codes.

There's no unintended triggering either—no matter what data you're sending. With an internal DIP switch, you select the arming character to use as a trigger.

You can set each port individually as DTE or DCE. That's handy for switching among several modems and printers. And your connection is secure. Once a connection is made, other ports are locked out. Remember that all ports need to be set to operate with identical speeds and word structures.

For extra control, there's a hardware-handshake lead in each direction in case a device (or PC) needs it.

TECH SPECS

Data Format — 7 to 8 bits
Speed — 300 bps to 115.2 kbps
Switches — Text/Transparent/Graphics Mode; Reset
CE Approval — Yes
Interface — SW853A-R3–SW854A-R3: RS-232 async; SW421A-R3: RS-422 async
Connectors — SW853A-R3, SW421A-R3: (5) DB25 female; SW854A-R3: (9) DB25 female; DCE/DTE switch-selectable
Indicators — (1) 7-segment channel-selected display, (2) lockout and switch time LEDs
Power — 115/230 VAC, 60/50 Hz, 11 watts (switch-selectable)
Size — 3"H x 12.8"W x 11.3"D (7.6 x 32.5 x 28.7 cm)
Weight — 8 lb. (3.6 kg)

Technically Speaking

Code-operated switches.

Code-operated switches enable one device to control up to eight connected devices, depending on the code-operated switch. For instance, you can use one modem—not eight—to control eight devices. Code-operated switches are ideal for applications that require remote switching for file sharing or monitoring. Use code-operated switches for:

• Remote programming. Call in via remote sites to access servers, logic controllers, or any devices that require programming.

• Diagnostics. From your master control room, you can probe servers and run diagnostics.

Item	Code
Code-Operated Switches	
RS-232	
4-Port	**SW853A-R3**
8-Port	**SW854A-R3**
RS-422	
4-Port	**SW421A-R3**

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