



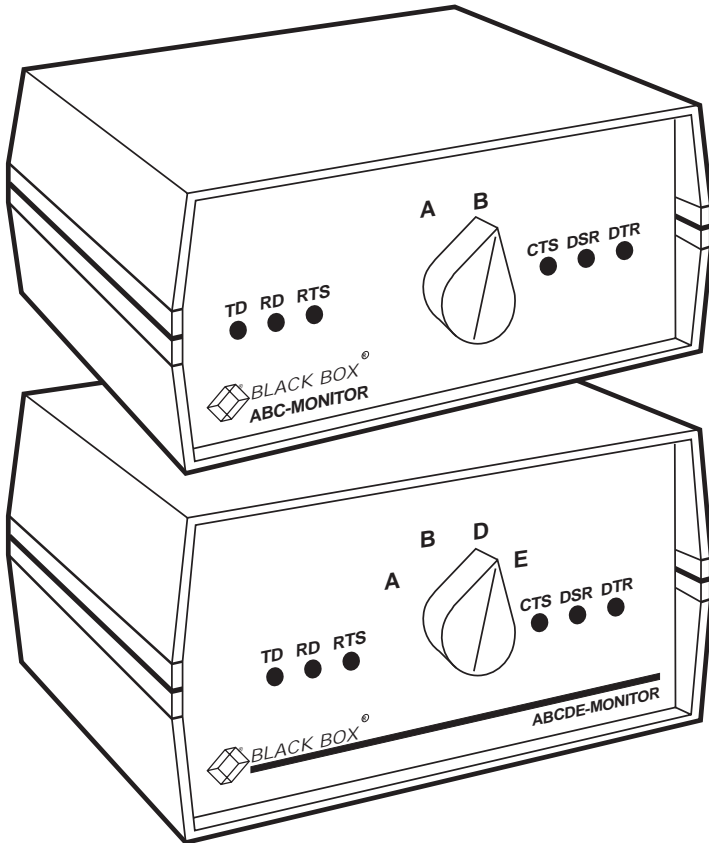
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FEBRUARY 2000
SW015A-FFF
SW015A-FFM
SW015A-MMM
SW015B-FFF
SW015B-FFM
SW015BX
SW055A-FFFFF
SW055A-MMFMM
SW055AX
SW055B-FFFFF
SW055B-MMFMM

ABC-25 Monitor Switch ABCDE-25 Monitor Switch



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1. Specifications

Enclosure—High-impact plastic

Switches—SW015: (1) rotary 2-position switch; SW055: (1) rotary 4-position switch

Pins Supported—Pin 1 tied common, pins 2 through 25 switched

Indicators—(6) LEDs: TD, RD, RTS, CTS, DSR, and DTR

Pins Monitored by LEDs—2 (TD), 3 (RD), 4 (RTS), 5 (CTS), 6 (DSR), and 20 (DTR)

Connectors—SW015: (3) DB25 female; SW055: (6) DB25 female

Power—???

Size—SW015: 2.5"H x 6"W x 6.2"D (6.4 x 15.2 x 15.8 cm); SW055: 3.5"H x 6"W x 6.3"D (8.9 x 15.2 x 16 cm)

Weight—1.5 lb. (0.7 kg)

2. Introduction

2.1 Description

With the Monitor Switch, you can connect a common device to two or four devices. A rotary switch on the front panel of the Monitor Switch controls this operation.

- ABC-25 Monitor Switch models (part number SW015) connects two devices to a common device.
- ABCDE-25 Monitor Switch models (part number SW055) connects four devices to a common device.

2.2 Typical Application

Figure 1 shows a typical application of the Monitor Switch.

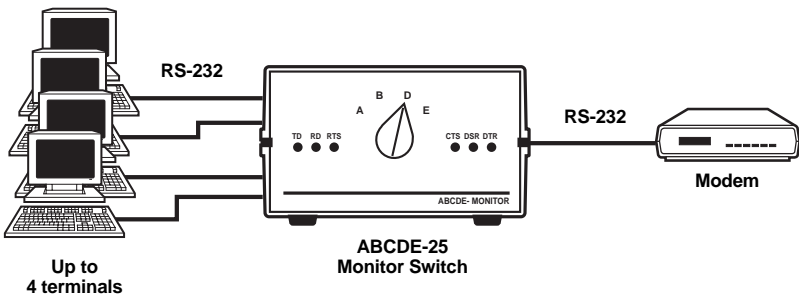


Figure 1. Typical Application Using SW055.

2.3 Connectors

2.3.1 REAR PANEL

The Monitor Switch has three or five DB25 RS-232 connectors on its rear panel, as shown in **Figure 2**.

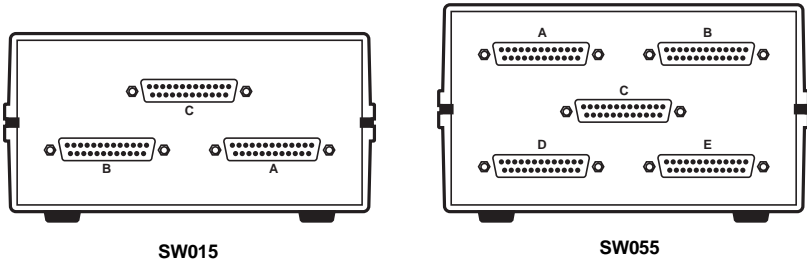


Figure 2. Rear Panel.

2.3.2 FRONT PANEL

The rotary switch on the front panel (see **Figure 3**) controls the switching of the common connector “C” to other connectors. The LEDs monitor six leads of the common device.

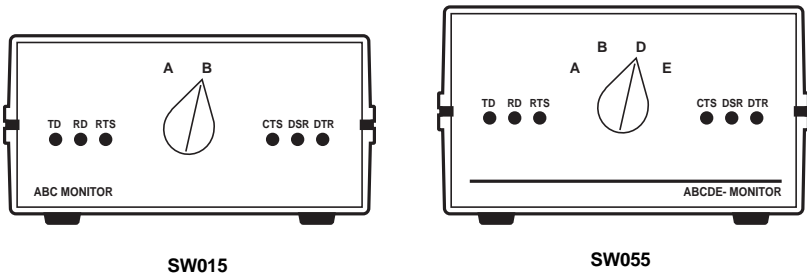


Figure 3. Front Panel.

2.4 Switch Connections

Table 1 shows the switch connections for the SW015. **Table 2** shows the switch connections for the SW055.

Table 1. SW015 Switch Connections

Switch Position	Connection
A	Device "C" is connected to Device "A"
B	Device "C" is connected to Device "B"

Table 2. SW055 Switch Connections

Switch Position	Connection
A	Device "C" is connected to Device "A"
B	Device "C" is connected to Device "B"
D	Device "C" is connected to Device "D"
E	Device "C" is connected to Device "E"

3. Installation

Follow these steps to install the Monitor Switch.

1. Connect the cable from the common device to the “C” connector on the rear panel of the Switch.
2. Connect the cables from the devices that you want to switch to connectors “A” and “B” (and also “D” and “E” for the SW055).
3. Set the rotary switch on the front panel to A, B, D, or E to connect the A, B, D, or E device to the common device.
4. The Monitor Switch is now ready for operation.

Appendix. RS-232 and V.24 Interface

Pin	Name	EIA RS-232C	CCCITT V.24	Description	Direction	
					To DCE	From DCE
1	FG	AA	101	Frame/Protective Ground	-	-
2	TD	BA	103	Transmitted Data	X	
3	RD	BB	104	Received Data		X
4	RTS	CA	105	Request to Send	X	
5	CTS	CB	106	Clear to Send		X
6	DSR	CC	107	Data Set Ready		X
7	SG	AB	102	Signal Ground	-	-
8	DCD	CF	109	Received Line Signal Detector		X
9	POS	-	-	Reserved for Data Set Testing		X
10	NEG	-	-	Reserved for Data Set Testing		X
11				Unassigned (Handshake Line)		
12	SDCD	SCF	122	Secondary Received Line Signal Detector		X
13	SCTS	SCB	121	Secondary Clear to Send		X
14	STD	SBA	118	Secondary Transmitted Data	X	
15	TC	DB	114	Transmitter Signal Element Timing		X
16	SRD	SBB	119	Secondary Received Data		X
17	RC	DD	115	Receiver Signal Element Timing		X
18				Unassigned		
19	SRTS	SCA	120	Secondary Request to Send	X	
20	DTR	CD	108.2	Data Terminal Ready	X	
21	SQ	CG	110	Signal Quality Detector		X
22	-	CE	125	Ring Indicator		X
23	-	CH	111	Data Signal Rate Selector (DTE)	X	
24	-	CI	112	Data Signal Rate Selector (DCE)		X
25	-	-	-	Unassigned		