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JANUARY 1995

SW920A

SW921A

SW922A

SR920A-R2

SR921A

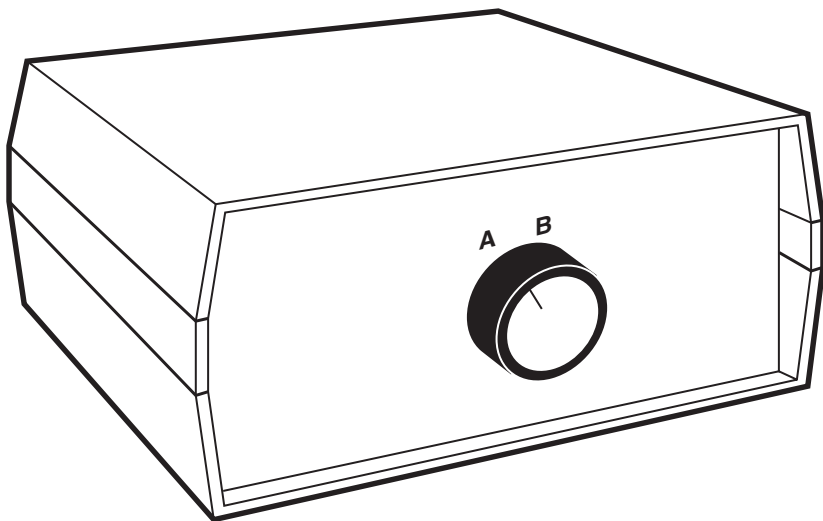
SR922A

## PS-2 Video Only Switches

6-to-1 model

5-to-1 model

3-to-1 model



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**CUSTOMER  
SUPPORT  
INFORMATION**

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# PS-2 VIDEO ONLY SWITCH

SW920A SR920A-R2

SW921A SR921A

SW922A SR922A

## *Installation and Operation*

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### **TRADEMARKS**

PS/2 is a registered trademark of IBM Corporation.

### **SPECIFICATIONS**

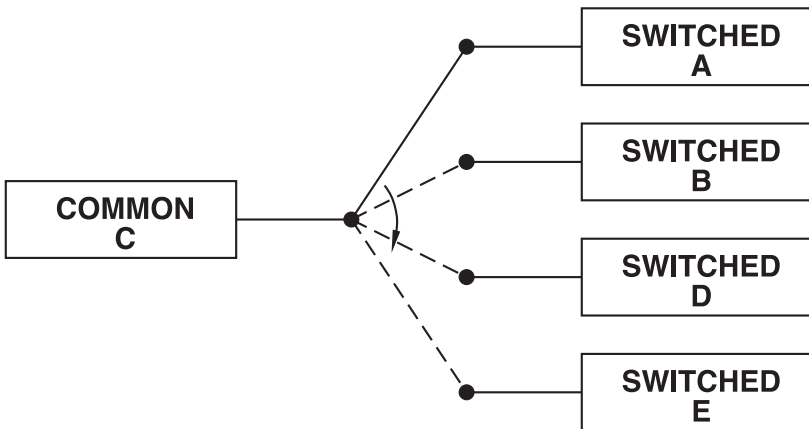
Leads Supported —	High-density 15-pin: All 15 leads
Controls —	(1) rotary switch for selecting the video device (self-wiping, break-before-make)
Connectors —	Monitor: DB15S HD (high-density, female)
Enclosure —	High-impact plastic
Temperature —	−4° to 158° F (−20° to 70° C)
Humidity —	0 to 95% (noncondensing)
Power —	None required; unit is nonpowered
Size —	SW920A-R2, SW921A, SW922A: 3.5"H x 6"W x 6.3"D (8.9 x 15.2 x 16 cm) SR920A, SR921A, SR922A: 3.5"H x 19"W x 5.9" D (8.9 x 48.3 x 15 cm)
Weight —	1.5 lb (0.7 kg)

### DESCRIPTION

The PS-2 Video Only Switches comprise a unique family of data communications switches that provide fast and efficient ways to switch connections from compatible devices to compatible devices. They provide a quick way to connect devices without the need to dis-connect and then reconnect numerous cables. These reliable switches have been used in hundreds of different applications and are available in a wide variety of interfaces. All are available in either rack mount or standalone versions. Some models are available in EMI/RFI metal boxes for use in “noisy” environments, such as manufacturing plants, machine shops, fabrications sites, etc.

### PS-2 Video Only Switch

#### ABCDE SWITCH



Connections made are AC, BC, DC, and EC-"C" is COMMON

## INSTALLATION








Installation of a PS-2 Video Only Switch is easy and will vary only slightly from one model to the next.

## CAUTION

**Turn off the power supply to all equipment involved in your installation of the PS-2 Video Only Switch; power should not be applied to any computer or monitor that is to be connected to the Switch.**

1. Select the device that will share other devices. Refer to this as the “common” device.
2. Connect a cable from the common device to the common connector (marked “C”) on the rear panel of the PS-2 Video Only Switch.
3. Select one of the shared devices. Connect a cable from this first shared device to the connector marked “A” on the rear panel of the Switch.
4. Repeat step 3 of this procedure for the remaining shared devices.
5. Now test your installation. Turn power on to the equipment. Make the common device send data to device A, then to device B, and so on. Select different shared devices via the rotary knob on the front panel of the switch.

## Connectors & Leads Supported

	Connector (Interface)	Number of Leads Supported ABC	ABCDE	X
	Berg-Type Header	48		
	DB25 (RS-232, RS-530, IBM Parallel)	25, 12 or 4	24, 12 or 4	12 or 24
	DB37 (RS-449, RS-422, RS-423, Bernoulli®)	37	24	24
	DB50 (Dataproducts®, Datapoint®, UNIVAC® & others)	48	24	24
	DB9 (449 Secondary, ATARI®, DAA, Video & others)	9	9	9
	DB15 (Ethernet®, TI®, NCR®, IBM PS/2™, & others)	15	15	15
	High Density DB15 (Monitor)	14	14	14








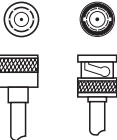
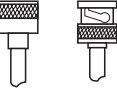

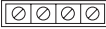







### INTERFACES AND SUPPORTED LEADS

The PS-2 Video Only Switch is equipped with DB15HD female connectors (for connecting monitors).

#### CUSTOM ENGINEERED SWITCHES

Contact our engineering group if you need a specially pinned switch. We offer powered and nonpowered, manual and automatic switches. A wide variety of interfaces and connectors can be incorporated into your custom switch. Shown here are some of the commonly used connectors along with the number of leads supported by each type of switch. If you have another application not shown here, please call us for assistance and information.

## Connectors & Leads Supported

Connector (Interface)	Number of Leads Supported		
ABC	ABCDE	X	
 <b>M/34</b> (V.35)	17	17	17
 <b>M/50</b> (Dataproducts, UNIVAC, DEC™ & Others)	48	24	24
 <b>Centronics</b> (Centronics®, Epson®, Gemeni®, & most other parallel printers)	36	24	24
 <b>IEEE-488</b> (GPIB, HPiB, others)	24	24	24
 <b>Current Loop</b> (Current Loop & other 2- and 4-wire interfaces)	4	4	4
 <b>RJ-11</b> (Voice Telephone)	4	4	4
	6	6	6
 <b>RJ-45</b> (Data Telephone)	8	8	8
 <b>TNC or BNC</b> (Coaxial)	2	2	2
	4	4	4
 <b>TNC and BNC</b> (Dual coax WANG®)	4	4	4
 <b>Twinaxial</b> (IBM® Systems 34, 36, 38, 5520, AS/400, & other twinaxial equipment)	2	2	2
 <b>Barrier Block</b> (Utility, Current Loop and other 2- or 4-wires)	4	4	4
 <b>Telco</b> Telephone (Voice and Data)	48		
 <b>5 Pin Din</b> (IBM PC Keyboard)	5	5	
 <b>MMJ</b> (DEC423, DECconnect™ System)	6	6	6
 <b>8-Pin Mini Din</b> (Apple® & Macintosh®)	8	8	8
 <b>6-Pin Mini Din</b> (PS/2 Keyboard Switch)	6	6	6
 <b>40 Pin Header</b>	40		
 <b>20 Pin Header</b>	20		