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Find the *Cytec JX16/PROTO-I/O* at our website: *Click HERE*

JX16/AB SWITCH MODULES

These Modules typically have 16 relays configured as an 8x2 Matrix so that any of 8 inputs can be switched to either of 2 outputs. Bandpass is better than 20 MHz (-3dB) and Isolation is less than 40 dB at 100 kHz when used in a JX/256 chassis.

JX16/AB-1 SWITCH MODULE

This Module has sixteen single pole relays arranged in an 8x2 configuration so that any of the eight inputs can be switched to either output A or B as shown in **Fig. 7**. The eight inputs are wired to a 16 pin header connector with two pins wired to each input for convenience in daisy chaining modules. The A and B outputs are available on a 10 pin header connector, or they can be bussed to the backplane as shown in **Fig. 7**. The module is available with **Type S** or **Type M** reed relays.

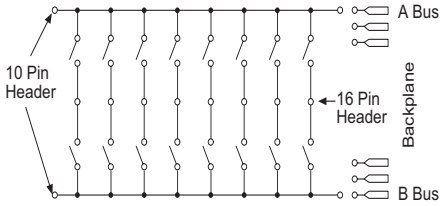


Fig. 7

JX32/AB-1 SWITCH MODULE

This Module has thirty-two single pole relays arranged in a 16x2 configuration so that any of the sixteen inputs can be switched to either output A or B as shown in **Fig. 8**. The sixteen inputs are wired to a 34 pin header connector with two pins assigned to each input for convenience in daisy chaining modules, and two pins are grounds. The A and B outputs are available on a 10 pin header connector, or they can be bussed to the backplane as shown in **Fig. 8**. The module is available with **Type S** or **Type M** reed relays.

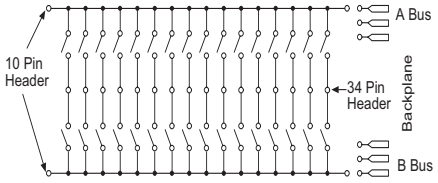


Fig. 8

JX16/AB-4 FOUR POLE MODULE

This Module has 16 four pole relays with signal inputs wired to a 37 pin D type connector as shown in **Fig. 9**. The outputs A and B are wired to the edge connector which plugs into the bussed motherboard. The module is available with **Type S** or **Type M** relays.

Note: This is the only module without Status Feedback.

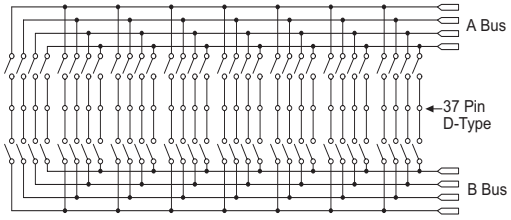


Fig. 9

A/B TYPE MODULE APPLICATIONS

For Cable, Backplane or Bareboard testing, the requirement is to select any two points and check for continuity. It is also necessary to check between one point and all others.

JX16/PROTO-I/O MODULE

This module, shown in **Fig. 10**, plugs into the JX Series backplane and has logic to control 16 TTL Outputs or Relay Driver Outputs and 16 TTL compatible inputs.

TTL Outputs are three state, Non Inverting Buffer/Line Drivers with output capability of 16 LSTTL loads.

Relay Driver Outputs are High Voltage, High Current, Open Collector Drives with diode suppression for energizing Inductive loads.

Data Inputs are Data Selector/Multiplexers with TTL compatible Inputs and three state output to the JX/256 Mainframe. This can be used to interrogate the status of the TTL or Relay Driver Outputs.

Connections may be wired to the 50 pin header supplied on the module or wired directly to the board.

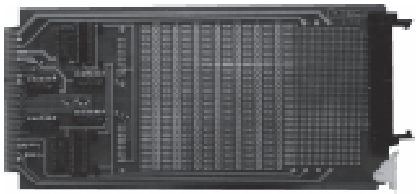


Fig. 10

SWITCH SPECIFICATIONS

The following types of relays are available:

Type S are dry reed switches for Instrumentation Level Signals.

Type LT has a thermal offset of less than 1 microvolt for very low voltage applications.

Type M has mercury wetted contacts with higher power capability.

Type CS and CM are form C versions of Type S & Type M.

Type A are two pole armature

All reed switches have a rated life greater than 100 million operations when used within the following specifications:

	RELAY TYPE				
	S&LT	M	CS	CM	A
Contact Rating	10VA	50VA	3VA	25VA	30VA
Switching Voltage	200V	500V	200V	200V	110V
Switching Current	0.5A	1.0A	0.25A	1.0A	1.0A
Carrying Current	1A	2A	1A	2A	1A
Breakdown Voltage	300V	1000V	200V	1000V	750V
Operate Time	1ms	2ms	1ms	2ms	3ms

Type P and PC Relays are armature relays for high power switching with the following specifications:

AC Rating	2000VA
DC Rating	150 W
Maximum Switch Voltage	380Volt RMS
Breakdown Voltage	1000Volt RMS
Maximum Switch Current	8Amp
Operate Time	10msec

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