

PathWay® Model 4001 Single Channel A/B Switch, Master Board Only

PathWay® Model 4002 Single Channel A/B Switch, Slave Board Only

INTRODUCTION

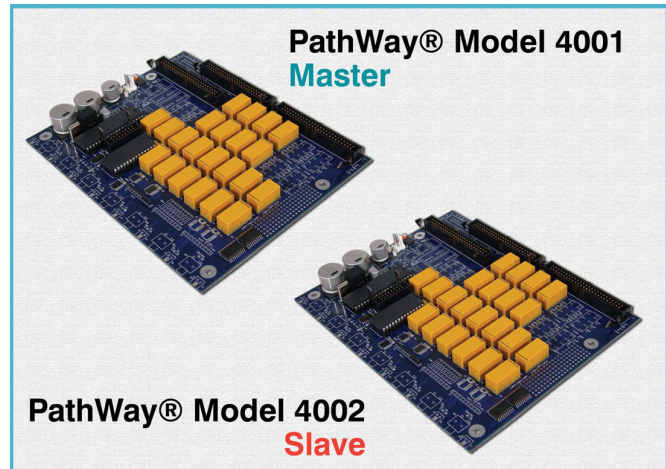
The PathWay® Model 4001 Single Channel A/B Switch, Master, and the PathWay® Model 4002 Single Channel A/B switch, Slave units can operate singly (standalone) or as a pair (master & slave). Each unit allows the user the capability of sharing 42 pins of the device connected to the Common port among two other devices connected to the "A" and "B" ports.

The units accept contact open/close signals from any external pushbutton switch to control the sharing function (switching the 42 pins from COMMON to either "A" or "B"). The units supply output signals indicating whether the switch is in the A or B position. Board signals also drive the customer supplied LED display.

When the Models 4001 and 4002 are used as a pair, only one unit is allowed to be in the B position at any given time. When used as a standalone, a jumper must be installed in order to allow the unit to switch to the B position.

FEATURES:

- The switch ports are transparent to all data.
- Pins 1-41, and 50 of the 50-pin .1" x .1" interface are switched via break-before-make electromechanical relays.
- The unit maintains last set position on power loss and continues to pass data.
- Upon power up, if the B position is sensed to be unavailable, the unit will automatically switch to the A position.
- Can be used as a pair, allowing only one unit to be in the B position at a time.
- Can be used in a standalone application with a jumper installed.
- Front panel pushbutton control (pushbutton not provided). The pushbutton for each board (Master and Slave) may be located locally or remotely to control position of the switches.
- Pin 50 of the 50-pin .1" x .1" interface can be used for Remote Contact Closure position monitoring.
- Customer supplied LED's display present position and power status. (Signals for the LED's are provided)



SPECIFICATIONS (Both Units):

DISPLAY: Supplies signals to drive customer's external LED's to display switch position and power status.

DIMENSIONS: (Board), 7.5" W x 0.8" H x 6.0" D.
(19.1 x 2.0 x 15.2 cm)

WEIGHT: Approximately 0.6 lb. (0.3 kg)

POWER REQUIREMENTS:

Voltage: 12 VDC

Current: 150mA (peak), 20mA (nominal)

Power to be supplied by user.

SIGNAL PORT RATINGS:

0.6A, 125VAC

1A, 30 VDC

SIGNAL PORT INTERFACES:

(3) 50-pin .1" x .1" signal ports (A, B, and COMMON)

MANUAL CONTROLS AND INDICATORS:

(2) LED footprints (5VDC through 1.2kΩ resistor)

(1) Pushbutton footprint (momentary contact closure)

Model 4001/4002 Application, operating as a mutually exclusive pair!

