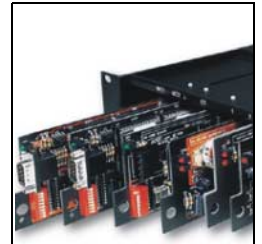




# AXC-INP8

## Switch/Opto Voltage Input Card



### Access Control Cards

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# Product Information

The AXC-INP8 Switch Opto Voltage Input Card provides eight inputs that can respond to switch closures or voltage level (high/low) changes. Input signals may originate from tape transports, limit switches, foot mats, or the AMX PCS Power Current Sensor. Each input may be set for either switch closure (SW) or voltage operation (VO), allowing a combination of either application on the same AXC-INP8 card.

Inputs set to the switch mode share the same Access system ground. When an input is set to voltage mode, it is opto-isolated from the system, and can accept AC or either polarity DC signals.

Specifications	
Power requirement	Input impedance of 6.8 k $\Omega$ only requires 0.6 mA at 5 V
Power	<ul style="list-style-type: none"> <li>• Opto-isolated AC</li> <li>• Either polarity DC voltage level input (can be from logic devices TTL, CMOS, etc.)</li> </ul>
<b>LEDs:</b> CR1	Indicates the switch or contact for Input 1 is closed when JP1 is in the SW position; when JP1 is in the VO position, CR1 indicates a high voltage is present (3.5 - 28 VDC or 2.5 - 24 VAC).
CR2	Operates the same for Input 2 - 8
<b>Jumpers JP1 - JP8</b> VO position	Input is set to accept voltage change (0 - 1.5 VDC or 0 - 1 VAC low, 3.5 - 28 VDC or 2.5 - 24 VAC high).
SW position	Input is set to accept a switch or contact closure change (no isolation is available in this mode).



# Input Mode Selections

## Input Mode Selection Jumpers

FIG. 1 shows the Input Mode selection jumpers.

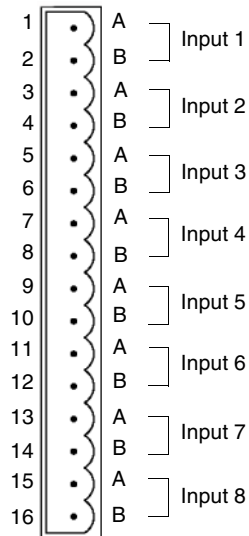


FIG. 1 Input Mode selection jumpers

## Voltage Mode

Voltage Mode is used to sense high and low voltage states, commonly from AC or DC signals from relay-controlled tape transports and LED feedback from preset dimming systems. This mode provides opto-isolation.

The jumper for each input should be set in the VO position before wiring the input signal to the card. An "on" (high) condition will be triggered by DC levels from 3.5 - 28 volts or an AC level from 2.5 - 24 volts. The required current is 0.6 mA at 5 V or 1.6 mA at 12 V.

## Switch Mode

Switch Mode is used to sense switch or relay contact closures. Inputs using the AMX PCS Power Current Sensor will use this setting. Refer to the *PCS and PCS2 Power Current Sensors* instruction manual for additional information.

The jumper should be set in the SW position. Note that the "A" terminal of all inputs in Switch Mode shares the same common as the Access system ground. Sources that require isolation from the system ground should use the voltage mode, with the installer providing switched DC power for sensing, if required.



**AMX reserves the right to alter specifications without notice at any time.**

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