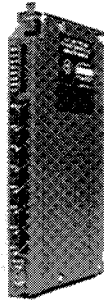




## **Allen-Bradley Input/Output Simulation Module**

(Cat. No. 1771-SIM)

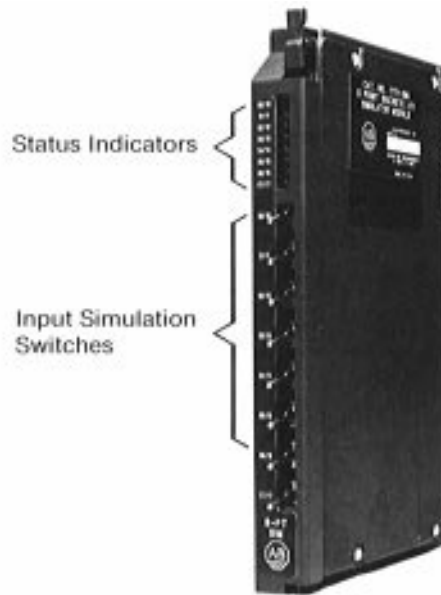
### Product Data



### **Description**

The 1771-SIM Module is an input simulation and output indicating module. It can be inserted into any 1771 Universal I/O chassis.

The switches on this single-slot module simulate open/close devices; the LED's identify which outputs are active.



## Uses

Typical uses include:

- Testing programs for proper response to a specified input.
- Testing programs for sending “turn on/turn off” signals to user-defined outputs.
- Replacing manual input devices such as temporary switch-and-wire setups; has eight switches, one for each input.
- Replacing temporary output test lamps; has eight built-in LEDs, one for each output.

## Connections

All connections and power to the 1771-SIM module are through its backplane connector; therefore, no user-accessible terminals are provided.

## Addressing

The module can be inserted into and addressed<sup>1</sup> in either high byte slots or low byte slots.

**INPUT:** Each switch can be addressed<sup>1</sup> as either a low byte slot device (00-07<sub>8</sub>) or a high byte slot device (10-17<sub>8</sub>).

**OUTPUT:** Each output indicator can be addressed<sup>1</sup> at either a low byte slot address (00-07<sub>8</sub>) or at a high byte slot address (10-17<sub>8</sub>).

## Backplane Power

The logic circuitry and the LEDs of the Simulation Module are powered by the I/O chassis power supply. The module requires +5V DC at a maximum of 300 mA. Add the current requirements of the module into the total of the other modules in the I/O chassis to check current limits. Do not overload the supply or the I/O chassis backplane.

## Specifications

### I/O per module:

- 8 input simulating switches
- 8 output indicators

### Backplane Current:

- 300mA @ +5V DC

### Slot locations:

- lower or upper byte  
(Slot 0 or 1)

### Environmental conditions:

- Operating Temperature:  
0 to 60°C (32 to 140°F)
- Storage Temperature:  
-40 to 85°C (-40 to 185°F)
- Relative Humidity:  
5 to 95% (non-condensing)

### Keying:

- between 14 and 16, 24 and 26.

**NOTE:** Check for existing keys before installing the 1771-SIM module.

<sup>1</sup>When installed in the appropriate slot.



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