

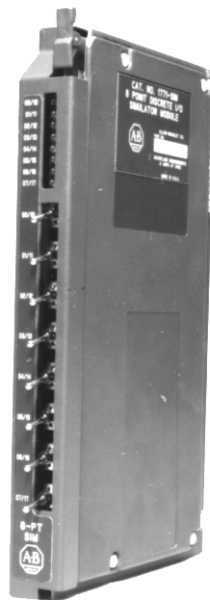


**Allen-Bradley**

***Technical Data***

# Input/Output Simulation Module

**1771-SIM**



## **Description**

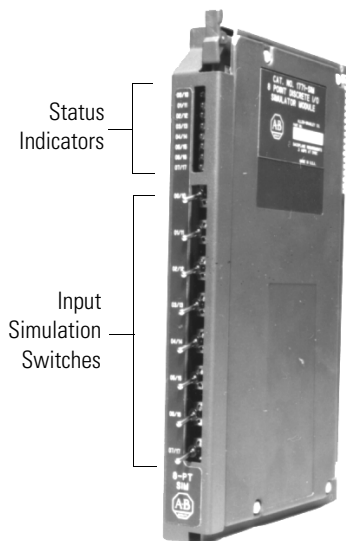
The 1771-SIM Module is an input simulation and output indicating module. It can be inserted into any 1771 Universal I/O chassis.

The switches on this single-slot module simulate open/close devices; the LEDs 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



### ATTENTION



This product must be mounted within a suitable system enclosure to prevent personal injury resulting from accessibility to live parts. The interior of this enclosure must be accessible only by the use of a tool.

### IMPORTANT

This industrial control equipment is intended to operate in a Pollution Degree 2 environment, in overvoltage category II applications (as defined in IEC publication 664A), at altitudes up to 2000 meters, without derating.

## 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>).

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


## 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 300mA. 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

Specifications - 1771-SIM Module	
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.

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