Programmable Controller
IC692ACC201

Input Simulator Module

Function of the Input Simulator

The Input Simulator module (catalog number IC692ACC201) for the IC692 programmable controller allows convenient control of 24VDC input points with switches mounted on the module. The Input Simulator module is intended for PLC training **and demonstration purposes** only.

Note

This Input Simulator is NOT intended to be used as a control element for actual control applications. It should only be used for training **and demonstration purposes.**

Installing the Input Simulator

The Input Simulator attaches to the programmable controller with 20 spade-shaped fingers which slide under the corresponding terminal screw pressure plates on the I/O module's input terminal strip (see Figure 1). Follow this procedure to properly connect the Input Simulator to the I/O terminal strip.

1. Be sure to remove power from the programmable controller before installing the Input Simulator.

2. Loosen all 20 terminal screws on the terminal strip so that the Input Simulator's fingers can easily slide under their corresponding pressure plates.

The module has 16 switches and is designed for use with IC692 I/O modules with 24VDC inputs. The Input Simulator is compatible with the following IC692 I/O modules:

- IC692MDR541 – 24VDC IN/Relay Out with 120VAC power supply

- IC692MDR741 – 24VDC IN/Relay Out with 240VAC power supply

Each of the 16 switches has two positions which allows input points to be turned either ON or OFF, depending on the position you select.

3. Attach the Input Simulator to the terminal strip by aligning the simulator's fingers under the pressure plates on the terminal strip.

4. Tighten each screw on the terminal strip. To avoid damage to the module DO NOT over tighten the terminal screws.

When correctly installed, each switch controls the ON or OFF status of input points %I1 through %I16. To verify correct operation, turn-on power to the programmable controller and confirm that each switch controls the ON or OFF state of the corresponding input LED as viewed on the CPU input LEDs.
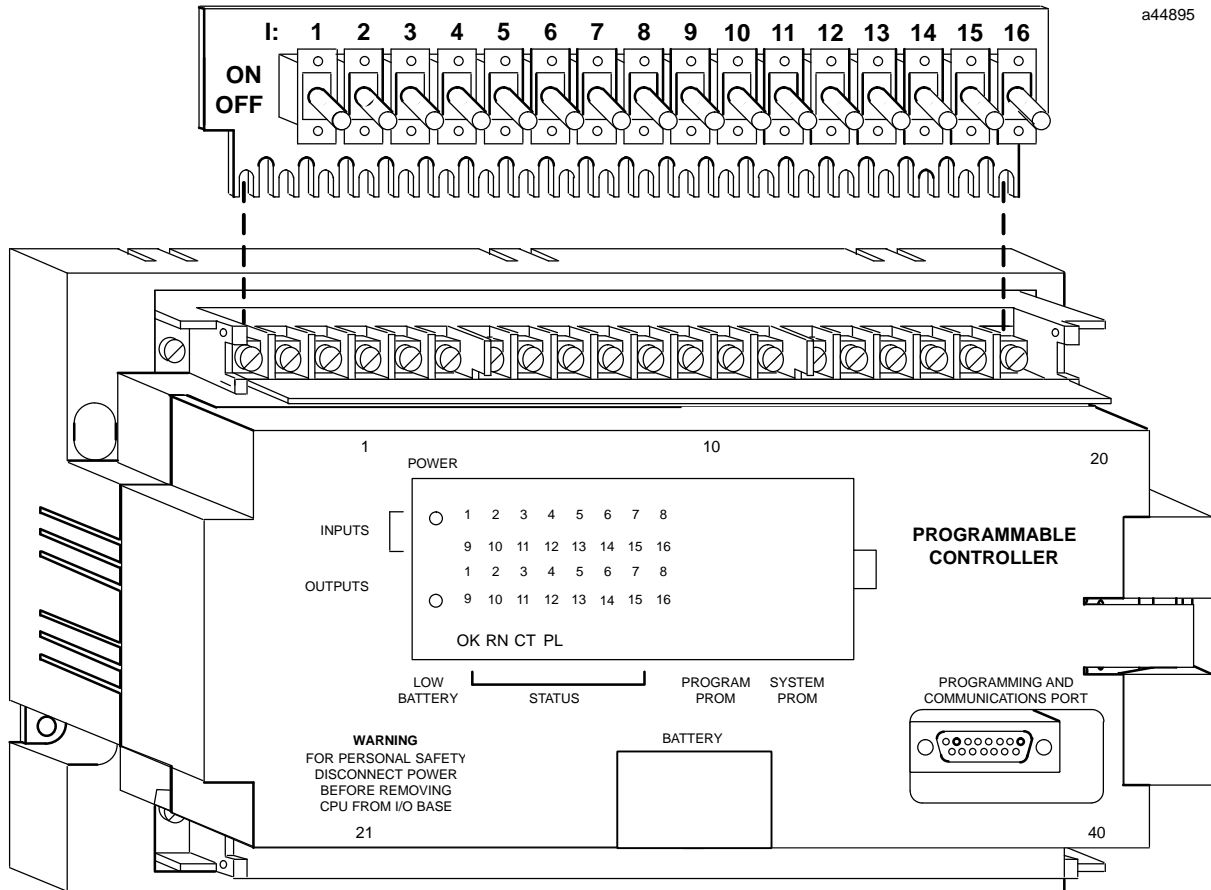
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Figure 1. Attaching the Input Simulator to the I/O Module's Terminal Strip

Troubleshooting the Input Simulator

If you have a problem using the Input Simulator to control the input points with the switches, refer to the following troubleshooting information for help.

1. The corresponding switch does not turn an input ON or OFF.

A. Check the terminal screw associated with that input point to be sure that it is properly tightened.

2. None of the input points can be controlled.

A. Verify that terminal screws 1 and 2 are properly tightened. These terminals provide the power connection to the input points through the Input Simulator. °

Table 1. Environment Specifications

Operating Temperature	20° to 30° C (68° to 86° F)
Storage Temperature	− 40° to +85° C (− 40° to 185° F)

Table 2. Ordering Information

Description	Catalog Number
Input Simulator Module	IC692ACC201