

Simulator Board Installation Procedure

The **Simulator** printed circuit board (PCB) was developed to emulate the input control signals of the G7 ASD. The **Simulator** is composed of two main parts: switches and pots. The switches simulate discrete input signals, such as relays and contactors, and the pots simulate analog inputs, which may be voltage or current. The **Simulator** uses LEDs to provide the status of the **AM**, **FM**, **OUT1**, **OUT2**, and **Fault** signals.

The **Simulator** board is used to demonstrate the many powerful features of the G7 ASD and connects to the input connector of the G7 ASD.

The **Simulator** board is mounted using screws in four places and has the same mounting hole pattern as the **Control Terminal Strip** PCB that is normally used with the G7 ASD.

Once the **Control Terminal Strip** PCB has been removed, slide the male CN7 connector of the **Simulator** into the female connector of the ASD **Control** board. Continue to slide the connectors together until the mounting holes of the **Simulator** board are aligned with the holes of the G7 ASD.

The mounting screws do not require much torque to secure the **Simulator** board into the G7 ASD. Once the under side of the screw head contacts the PCB, less than one full turn is required to tighten securely.

Figure 1. Simulator Printed Circuit Board.

