Isolating a faulty door sensor

Context

☑ Trendsetter 3230 (TS4 version)

☑ Trendsetter 3244 (TS8)

Background

Perform this procedure at each panel switch to isolate the faulty switch or magnet.

Tools

- Multimeter with probes
- Spare safety switch actuator (59-3450)



WARNING: This procedure requires you to access the power box with the power to the output device turned on. Failure to follow the safety policies and procedures regarding shock hazards and electrostatic discharge may create a dangerous situation that could result in serious injury as well as damage to the output device.
For more information, see:
http://techplanet.creo.com/output/computer_to_plate/all_ctp/nav/safety.htm

Steps

1. Insert the voltmeter probes (red on pin 1 and black on pin 2) at the wire entry side of mate-n-lok connector J19 on the backplane board.
2. Open a panel and insert a safety switch actuator in the door switch. Close all other panels.
3. If the voltmeter reads 12VDC, the door switch is faulty and the safety switch actuator is not making contact with the door switch.
4. Disconnect the switch(es) from the wire harness and use an ohm meter to determine if the switch(es) are operating properly. Replace switches as required.
5. Remove the safety switch actuator and close the door. If the voltmeter probing the mate-n-lok connector reads 0VDC, the door switch loop is operating correctly. If there is still a fault in the door switch circuit, repeat steps 2 to 5 for the next panel.

See also

- Adjusting the panel door switches