

Why do I need another safety switch?

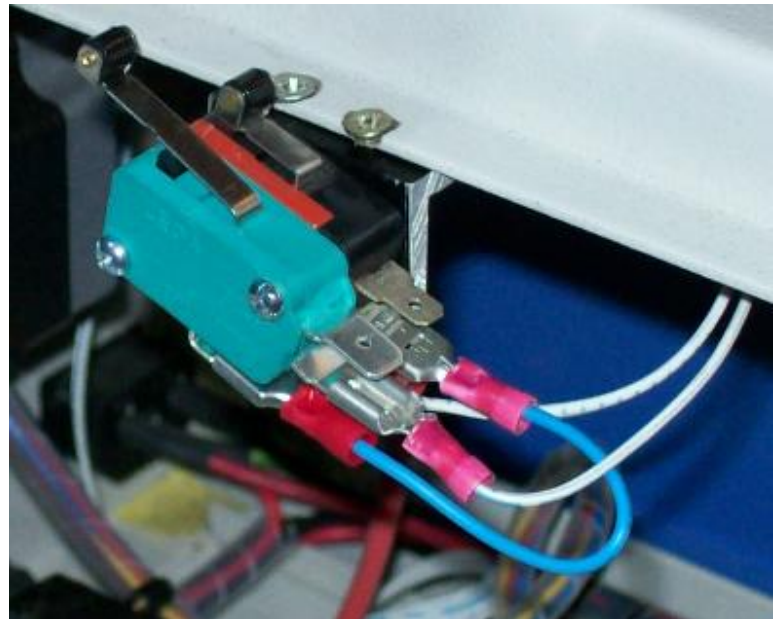
We are providing you with a second safety switch for you to add to your laser machine. This limit switch works with your existing safety switch as the “redundant” failure protection. Your laser machine is equipped with protective devices to prohibit the laser machine from being damaged and from injuring people in the work areas. Recent changes in FDA regulations and interpretations of the regulations have required us to provide the safety devices for the laser machine.

We have calculated that normal use of the laser machine would allow for the limit switch to work for ten years before the first expected failure. What would happen if the switch would fail? If the switch circuit stays closed, then the laser machine would be able to be unsafe for the operator to use. FDA regulations dictate for a safer machine by using two safety switches in series.

Installing the switch.

We are providing the necessary components for you to add the switch to your existing laser machine. (2 screws, 2 nuts, blue jumper wire, limit switch with long arm, 2 spare connectors.)

- 1) Find the limit switch that is near the hinge. It should be mounted to the size of the door opening, inside the machine work area. This switch senses when the operator's door is open.
- 2) Remove the wire connectors from the switch. Be careful to not break the wire from the connector. Spare connectors are provided for if the wire breaks loose.
- 3) Remove the screws that mount the switch the bracket. The bracket will remain on the side of the door's opening.
- 4) Place the new screws through the new switch.
- 5) Place the original switch with the new switch.
- 6) Use a screw driver to secure the screws to the mounting bracket.
- 7) Place the nuts on the screws at the back side of the bracket. These nuts are to ensure the screws do not come loose from the mounting bracket.
- 8) Use the blue jumper wire to connect the common (COM) connector to the normal open (N.O.) connector of the other switch.
- 9) Locate the laser machine's original safety wires and place one of the safety wires on the original switch's common (COM) connector.
- 10) Place the remaining safety wire on the new switch's normal open (N.O.) connector. The normal closed (N.C.) connectors of the switches are not used. The installation is now completed.



Please observe the pictures given here to check that the installation of your new switch was performed correctly.

The installation of this second limit switch is a requirement for conforming to FDA regulations. Please sign and return the attached form to indicate that the switch installation has been completed. Please return the acknowledgment with a reasonable time period.

The installation of the secondary safety switch is a requirement for conforming to FDA regulations. Please sign and return the attached form to indicate that the installation has been completed. Please return the acknowledgment within a reasonable time period.

I, _____, am the owner / controller of the laser machine sold to our company from Scottware.net. I acknowledge that I have completed the installation of the secondary safety switch for compliance to FDA regulations.

Position: _____

Signed: _____

Date: _____ / _____ / _____

Company Address: _____

Mail to :

Scottware.net / FDA Compliance
3503 Carol Ann Lane
Middletown, OH 45044
