

The signals required on the DSub 9 pins connector to control the laser system are as follow (the pins 7, 8 and 9 are linked to 0V):

- **Computer On/Off** (can be used in all operating modes, i.e. Internal Mode, Auto Internal Mode, Manual External Mode or Auto External Mode)

TTL compatible input:

Signal on pin 3: $V \leq 0.4V$: the laser is inhibited

$4 < V < 5V$ DC: the laser produces optical pulses at a factory set repetition rate (Internal mode) or depending of the Trigger signal (External mode and Auto external mode).

Pin 7 to 0V

- **Trigger signal** (Manual External Mode or Auto External Mode **ONLY**)

TTL compatible input

Signal on pin 4: $V \leq 0.4V$: the laser is inhibited

Pulse with high level $4 < V < 5V$ and width $> 50\mu s$: the laser produces one optical pulse for each rising edge of the trigger pulse. The repetition rate depends on the frequency of the Trigger signal.

Pin 8 to 0V

- **Interlock signal** (can be used in all operating modes)

TTL or relay compatible input :

Signal on pin 6: $V \leq 0.4V$: for laser operation
Not connected to inhibit the laser operation

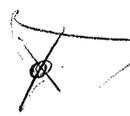
Pin 9 to 0V

- **Laser ON/OFF signal** (Internal Mode, External Mode or Auto External Mode)

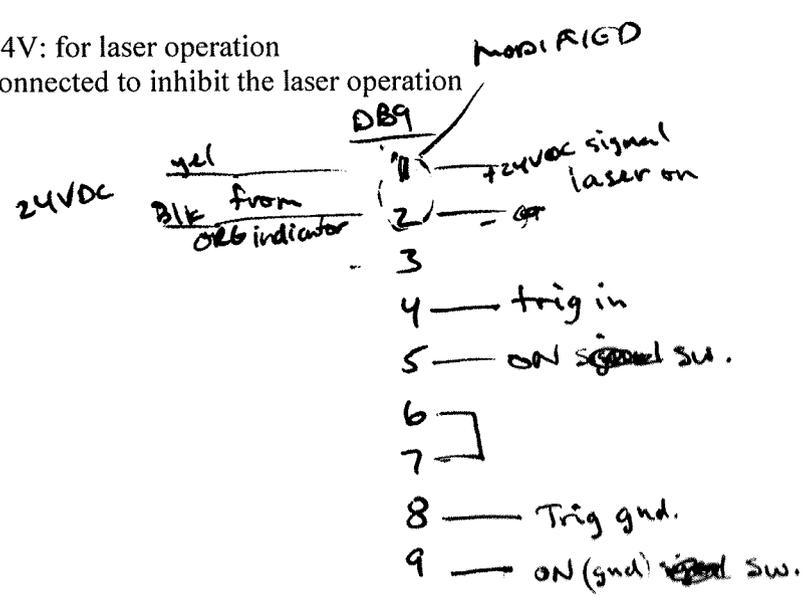
TTL or relay compatible input :

Signal on pin 5: $V \leq 0.4V$: for laser operation
Not connected to inhibit the laser operation

Pin 9 to 0V



MOMENTARY SWITCH



- enclosure
- Cu
- laser active
- Hard work plates