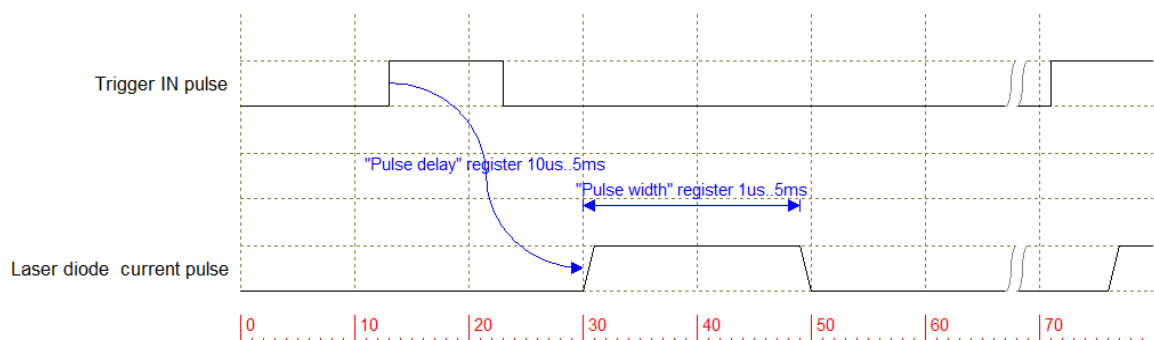


UNILDD FREQUENTLY ASKED QUESTIONS (FAQ)

1. What documentation do we provide with the product?
The following documentation is provided upon request:
 - List of registers with description;*
 - Connector pin-outs and input circuits diagram;*
 - Typical connection schematics;*
 - Stand-alone connection schematics;*
 - PC connection schematics;*
 - Diagram of control and error signals;*
 - Multi-controller master-slave diagram;*
 - Temperature measurement connections.*
2. How to see the actual current through the diode?
Use Analog interface, DSUB15 connector, I_{out} monitor pin 7 and GND pin 4.
3. What do I do if I see current overshoot >5%?
Send laser diode parameters: compliance voltage, serial resistance at nominal current and connection wires parameters to the manufacturer.
4. What should I do if I want to increase the max current?
Please contact the manufacturer.
5. Are there shots/work time counter?
No.
6. Can I use driver as a TEC controller?
Yes, you can. But it depends on a hardware version.
7. What are the specific power supply requirements?
Overcurrent protection mode – 'current limiting'.
8. I bought the driver to power single laser diode. Can I power two (or more) with the same driver?
Yes, you can, but only if the total voltage does not exceed the supply voltage. Also, you may need to adjust the settings.
9. Is the power ground of the driver and control ground connected?
Yes, in standard configuration. Separation is possible, but potential difference should be minimal.
10. Do I need to connect the power ground with the protection ground and EMI screen?
Yes, we recommend it.
11. Is it possible to get the CE certificate for uniLDD?
We can issue a CE certificate as for a component. The integrator must take all safety measures.

12. Are Trigger IN (Enable, etc.) protected against excessive voltages?
Yes, it is.
13. Is there a protection against excessive power supply?
Load is protected, the driver itself has some immunity.
14. Is there a protection against overcurrent of the laser diode?
Yes, software protection limits the current setting and independent hardware protection trips in case if peak value is reached.
15. I am experiencing peak current protection tripping too early. Why?
It is a separate circuit that designed for speed, not precision. Use 5-7% reserve when setting ' I_{out} ' max.
16. I bought a controller up to 100A, can I use up to 150A?
Please ask the manufacturer. Very often there is some reserve.
17. Can I connect a humidity sensor?
Yes, with ON / OFF output. Use the Interlock2 circuit.
18. Have I heard about simmer current, or is it possible to have one?
No.
19. How does a time chart look like?



20. Can I connect aiming laser diode?
Yes, use FAN2 circuit and control registers.