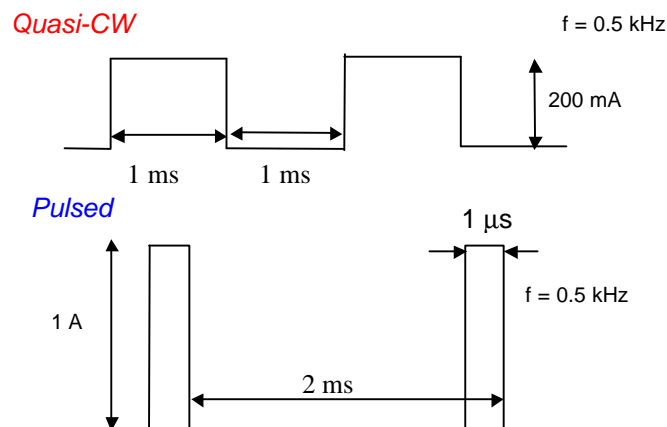


LED Driver Model D-11

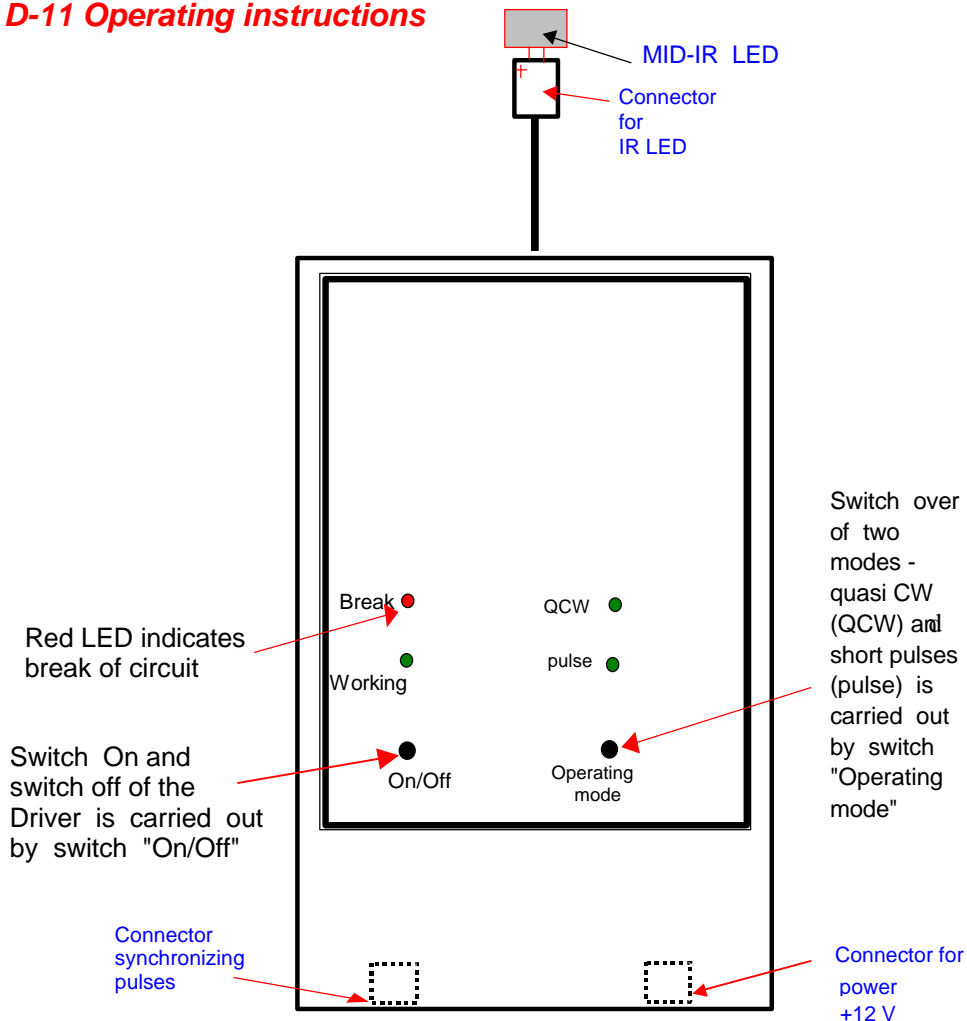
- Driver **D-11** is designed for power supply of all models of MID-IR LED's.
The driver provides two modes of operation:
- Quasi Continuous Wave (quasi steady-state) mode. Such mode provides maximum average optical power from the LED. Optimum current for ordered together with Driver D-11 infrared LEDs is fixed (usually 200 mA). Frequency of 0.5 kHz is used.
- Pulse mode. Such mode provides maximum peak optical power from the LED. In this mode pulse duration of 1 μs is used. Optimum for ordered together with Driver D-11 infrared LEDs peak current is fixed (usually 1 A).
- Customer can specify in his order other current, frequency of pulse duration.



Parameters	Pulse mode	Quasi-CW mode
Pulse duration	1 μs	1000 μs
Repetition rate	0.5 kHz	0.5 kHz
Current amplitude	1 A	200 mA
Dimensions, mm	105 x 58 x 20	
Weight	90 g	
Power requirement	+12 V DC	

LED Driver Model D-11

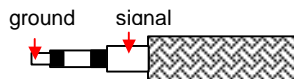
LED Driver D-11 Operating instructions



1. Insert AC/DC adapter into connector "+12V DC" (Attention on voltage polarity).



2. If necessary connect "Connector for synchronizing pulses" with selective amplifier of the detector signal (Attention on voltage polarity).



3. Insert a LED into connector "LED" (Attention on voltage polarity - + to the red point on the LED package).
4. Select operating mode - "QCW" or "Pulse" (switch "Operating mode"). Green LED will indicate selected mode. Installed frequency is 0.5 kHz. If you select pulse mode, installed pulse duration is 1 ms. Customer can specify in his order other frequency and/or pulse duration.
5. Set position "0" on Switch "Current"
6. Switch On Driver (switch On/Off). Green LED "Working" will indicate that current is flowing. If after switching on current is not flowing red LED "Break" will indicate break of the circuit. That situation can take place if testing Infrared LED is damaged. If Customer order Driver D-11 together with infrared LEDs currents for quasi-CW and pulse modes are fixed (usually 200 mA in QCW and 1 A in pulse mode).