Maintenance/repair



Disconnect the voltage feed, before starting with **maintenance or repair**. Maintenance and repair work may only be done with the system shut down. Check the surface temperature of +50°C (+122°F), due to danger of burning by radiant heat. Always wear heat-resistance gloves! Protect the system from activation during maintenance and repair work!

How it works

When you activate the FlexxPump DLS, the piston pump starts to work and pump the lubricant in small quantities to the outlets. The integrated microprocessor controls the function. Communication with the machine controller is necessary. Delivery rates and time between the lubrication intervals can be individually set by pulse signals.

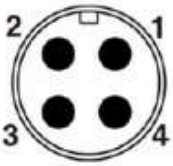
- Connecting and installing the FlexxPump DLS
- Start up
- Ready to go

Connector PIN assignment, connection to FlexxPump DLS

The FlexxPump DLS uses a four-pin socket to connect a M12X1 plug allowing communication with the machine controller. An external 24 VDC power supply is used to switch ON and OFF (voltage of +20 ....up to +30 VDC, supplied to PIN 1; GND at PIN 3). When voltage is supplied the lubrication pump is in operating condition. If there are no errors (Pump OK) the input voltage will be transferred to the output signal (PIN 4) indicating all is OK. Once the voltage supply to PIN 1 is stopped (switched OFF), the pump rests and saves the current operating conditions in memory. When the pump is turned back on the saved operating conditions will be continued. PIN 4 relays the operating condition.



Connector PIN assignment M 12 x 1



PIN 1: input voltage +20...30 VDC, color: brown
PIN 2: activation of the individual pump outlets, color: white
PIN 3: Ground (GND), color: blue
PIN 4: Output Signal, color: black

Details:

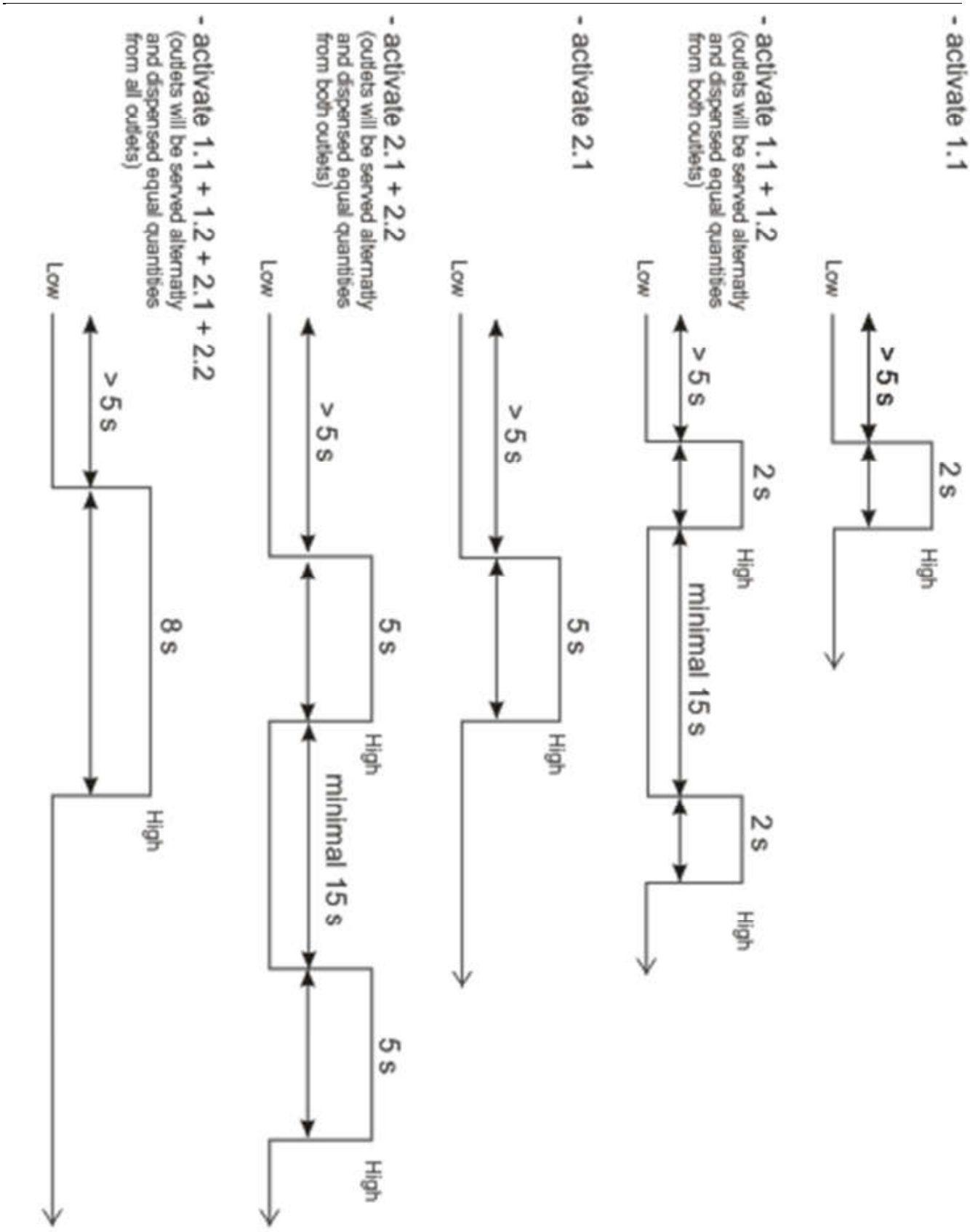
- Peak current Imax (during pump operation) approx. 350 mA, typically < 200 mA
- Standby current (standby mode) < 20 mA
- Output signal PIN 4: High (+20…30 VDC) = OK
- Low = Error (empty signal, over cureent)

Identification of the pump outlets



Details pulse signals

- Indication in seconds, accuracy +10%
- Delivery rate per pulse signal: 0,15 cm³ (one outlet)
- Time between two pulse signals: minimum 15 s



Error messages/faults: