HALDEX – WIRING DIAGRAM
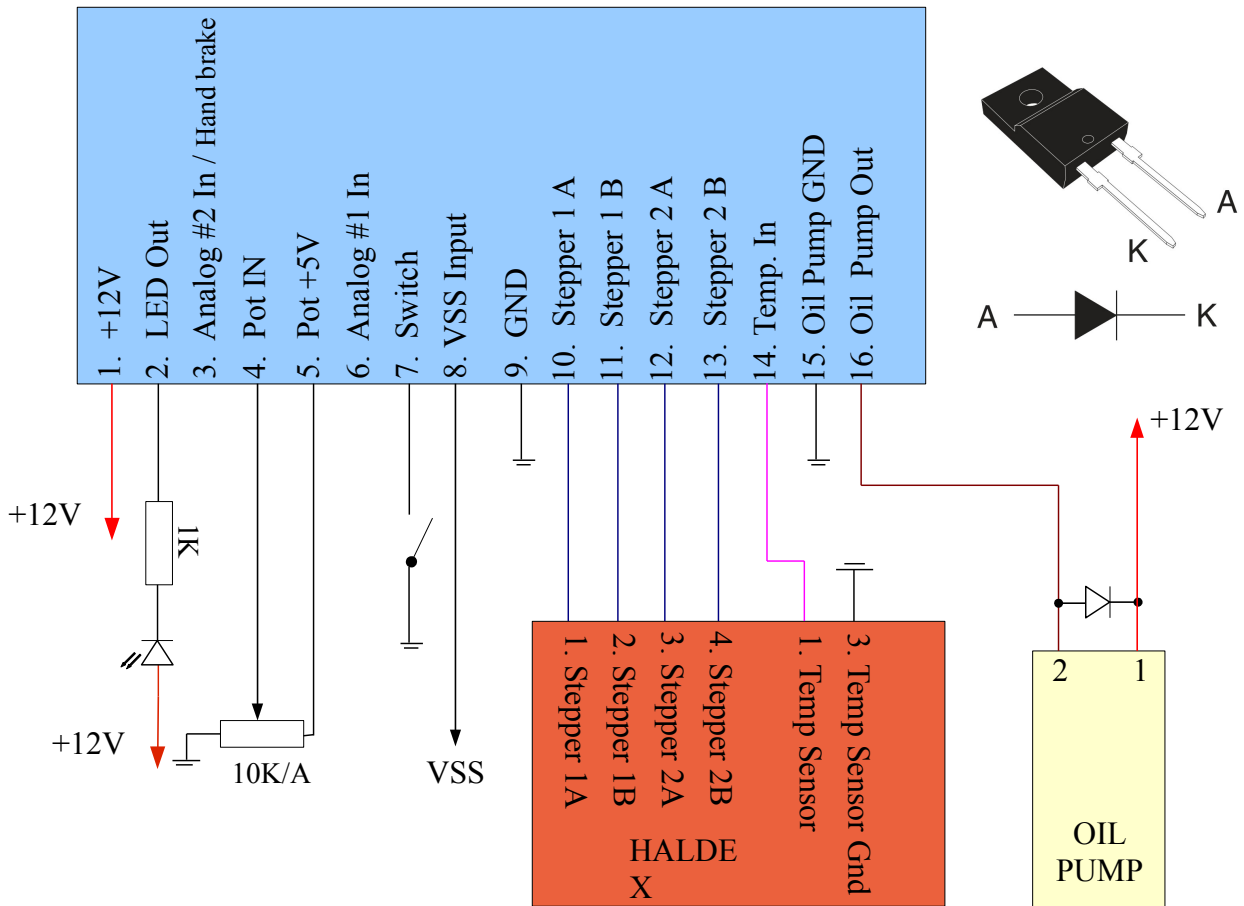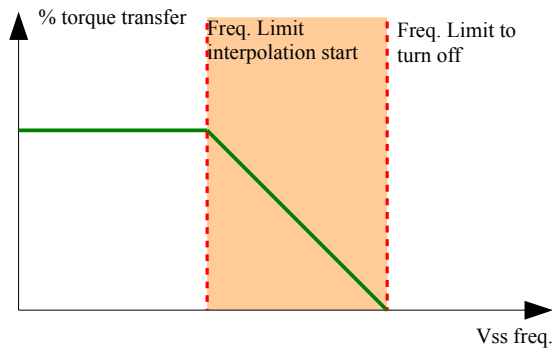

IMPORTANT !

1) Flyback diode for oil pump control must be conected ! Otherwise the device will fail.

2) Power ground (terminal 15) should be connected with separate wire.

3) +12V must be switched power.

4) Use 3A fuse for switched +12V and 10A fuse for Oil Pump power.

5) If you use VSS input, connect pullp resistor to VSS input (10K)

Konfiguracja

Freq. Limit to turn off – the frequency on VSS input that cause controller to set torque transfer to 0%

Freq. Limit interpolation start – the frequency of VSS input whene the controller start to interpolate of torque transfer.

Here is the diagram how does it work

Max oil temperature – if the temperature of Haldex module oil is greater that this parameter the controller switch the Haldex module off, and the torque transfer is set to 0%.
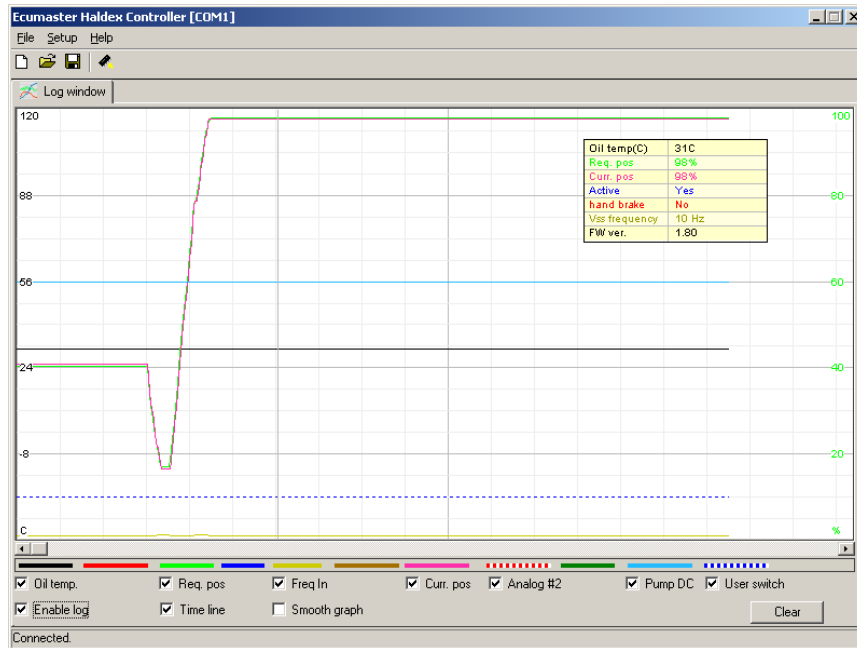
Advanced settings (only for advanced users!)

Step scale – maximum number of Haldex actuator steps

Stepper motor speed – the speed of actuator

Pump ctrl. Frequency – oil pump control PWM freqency (Hz * 10)

Pump DC - oil pump control DC

Logged parameters

The device monitors and log the following parameters

Oil temp. - current Haldex module oil temp.,

Req. pos - required torque transfer in %

Curr. Pos – current torque transfer in %

Freq. In - frequenct on VSS input

Analog #2 – voltage on analog #2 input.

PumpDC - oil pump control Duty Cycle,

User switch – state of activation switch