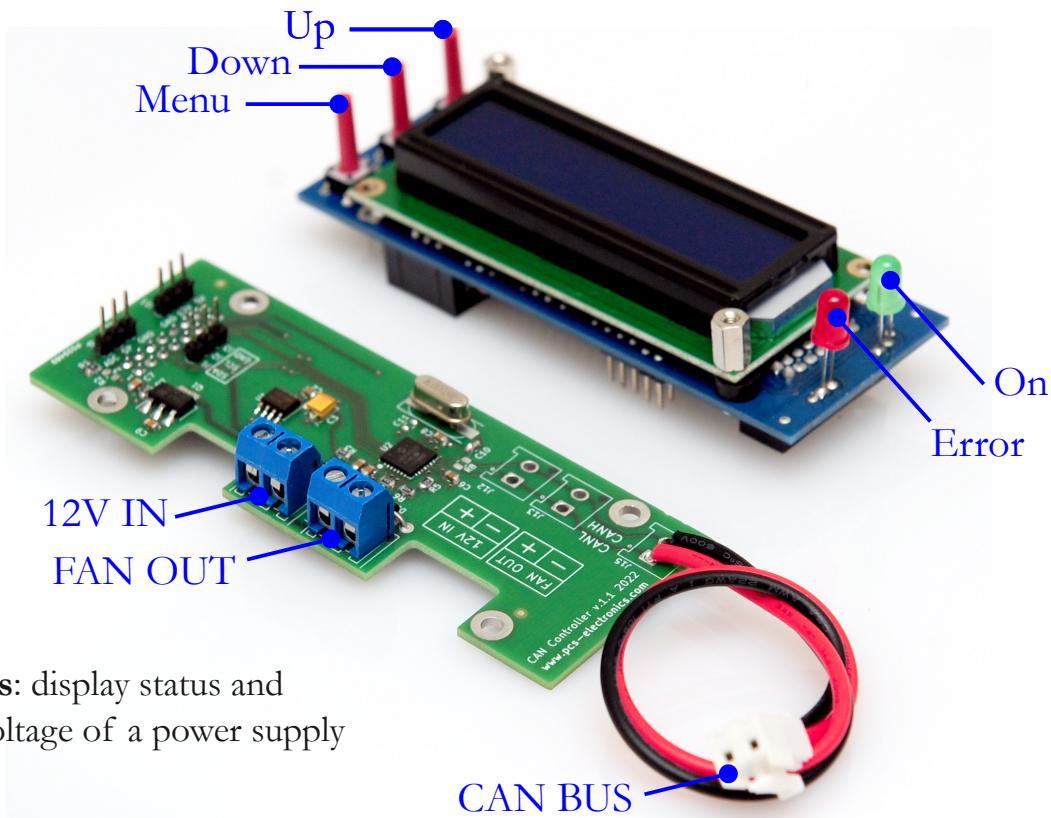




LCD control module

for 1800W and 2600W mains power supplies



Applications: display status and set output voltage of a power supply

Features:

- Displays: output voltage, output current, temperature, mains voltage
- Controls: PSU output voltage
- User interface: 16x2 LCD, Up/Down/Menu buttons, status LEDs
- CAN interface with the power supply unit
- Powered from any 9...15V DC source (100 mA max.)
- External 12V fan output, temperature controlled (optional)
- Serial port interface (115200, 8N1, TTL levels) to a computer for setup, monitoring and firmware updates

Buttons: press **Up** or **Down** button to navigate through menu or to change values. Watch the on-screen hints for the function of the **Menu** button.

Main screen:

PSU temperature Mains AC voltage



23.10 239.1 VAC
48.0 V 0.98 A

Actual output voltage Output current

Change the output voltage: press **Up** or **Down** button to navigate to the Saved voltage screen.



Saved voltage:
48.0 V Menu=set

Press **Menu** and use **Up** or **Down** buttons to set the desired voltage. Press **Menu**, then press **Up** to confirm.



UP/down to set
48.0 V Menu=save

Set the thermostat temperature: press **Up** or **Down** button to navigate to the Fan ON temp screen.



Fan ON temp:
50 C Menu=set

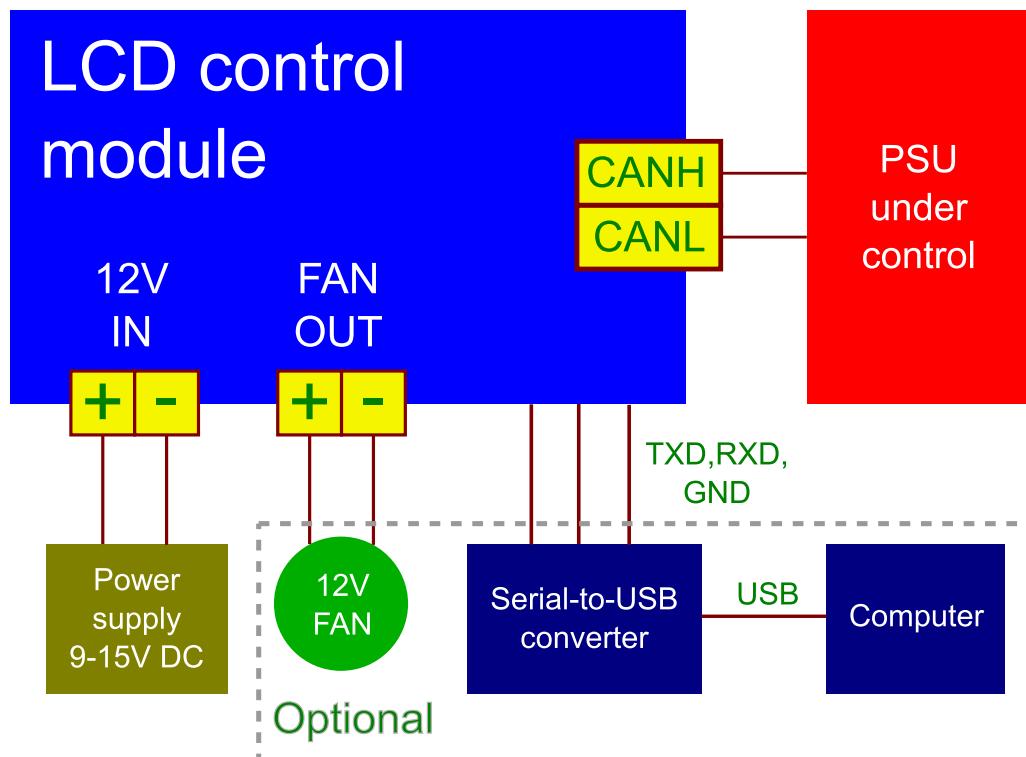
Set the thermostat hysteresis: press **Up** or **Down** button to navigate to the Fan hysteresis screen.



Fan hysteresis:
5 C Menu=set

The new settings will be saved in a non-volatile memory.

Electrical connection

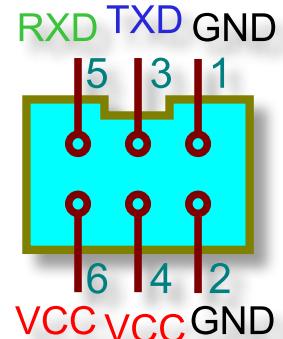


Serial communication protocol (115200 baud, 8N1)

```

factory - reset to factory defaults
getoutu - get measured output voltage in mV
getouti - get measured current in mV
gettemp - get temperature in deg. C/1000
getac - get AC voltage in mV
setoutu<voltage in mV> - set output voltage
settemp<deg. C> - set thermostat temperature
sethyst<deg. C> - set thermostat hysteresis
  
```

Serial port pinout



Front panel drawing

