

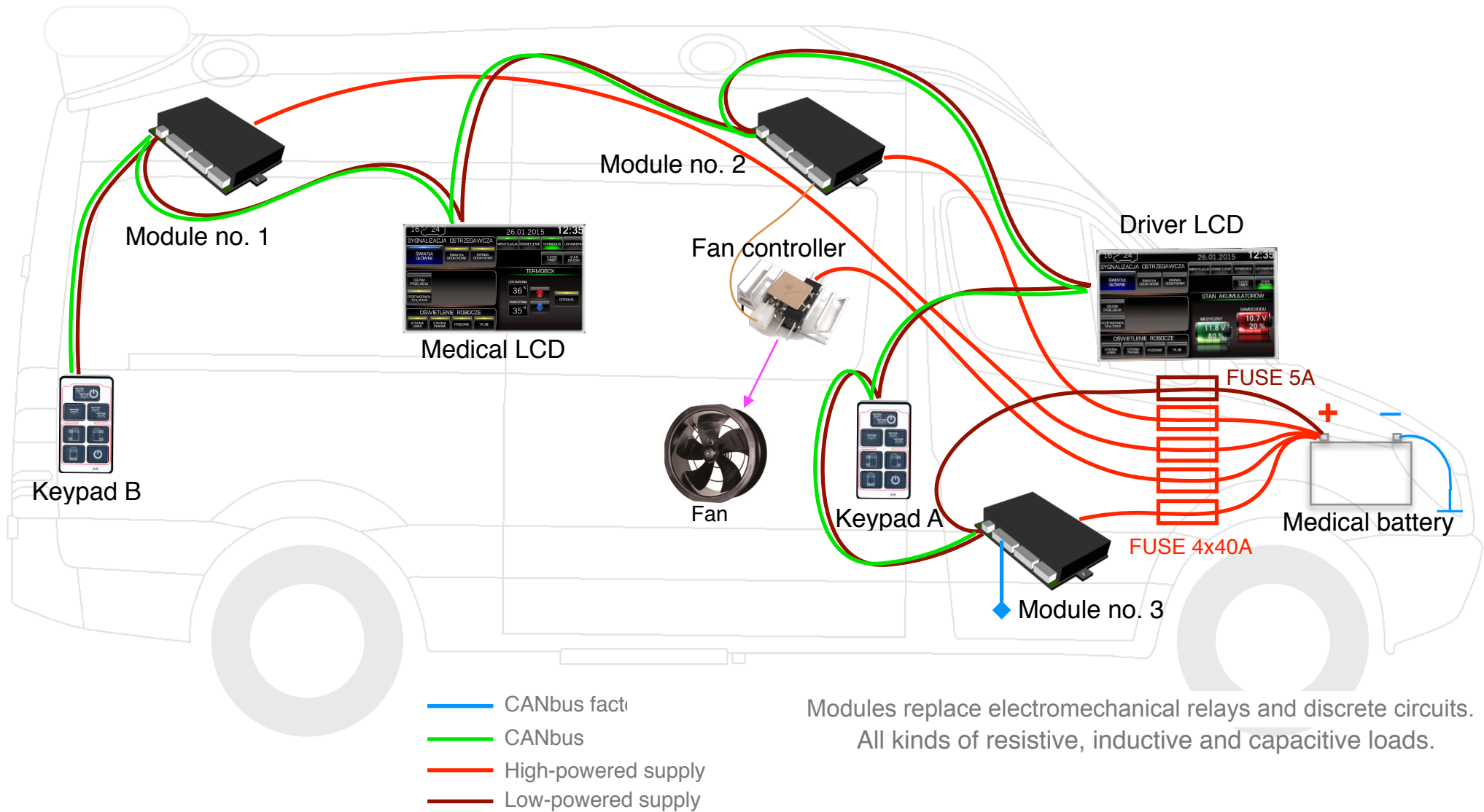
Vehicle Conversions Control System

EXEMPLARY CONNECTION DIAGRAM

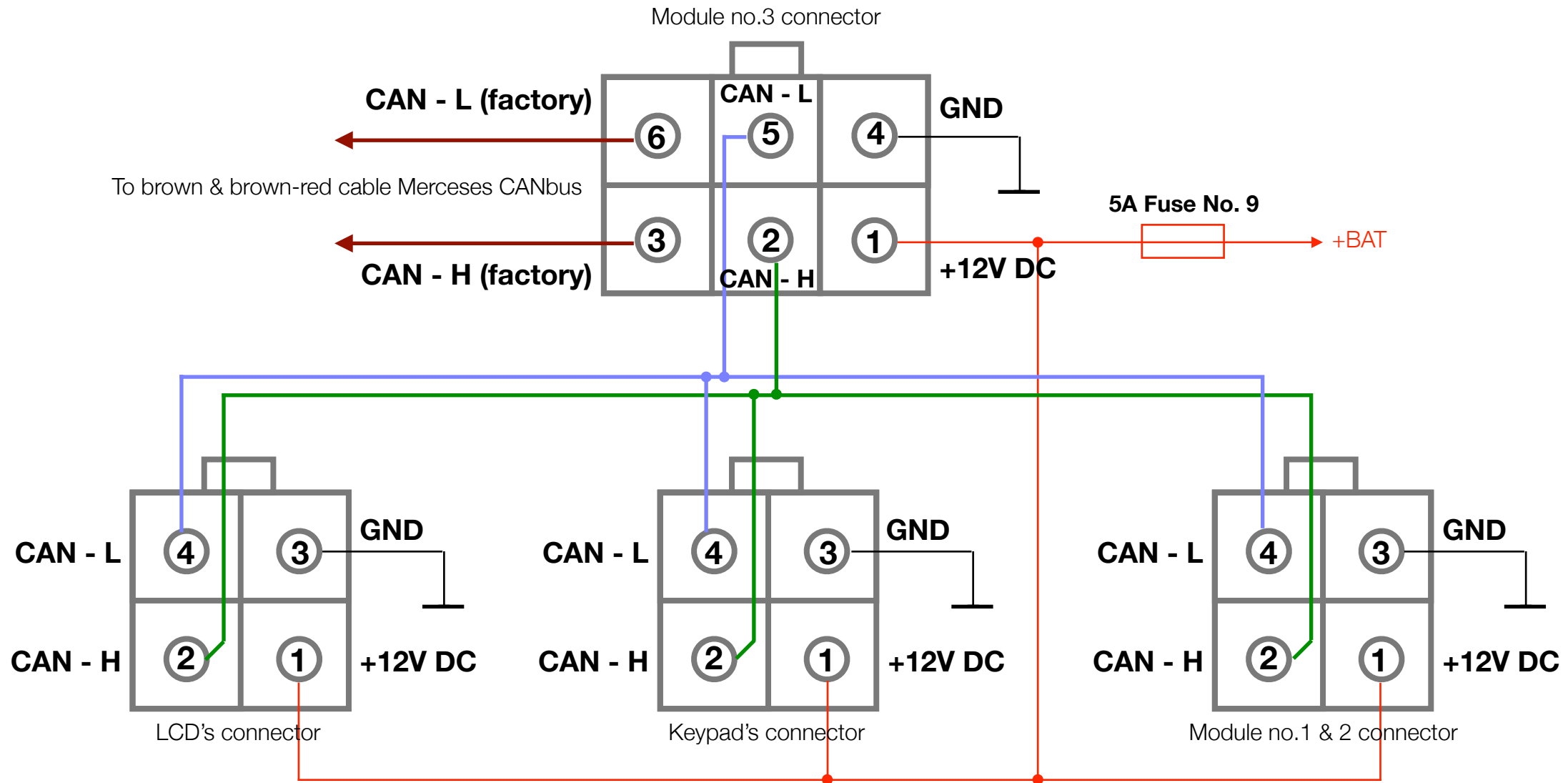


Vehicle Conversions Control System example

This is just an example, the system can be configured for your electrical installation.

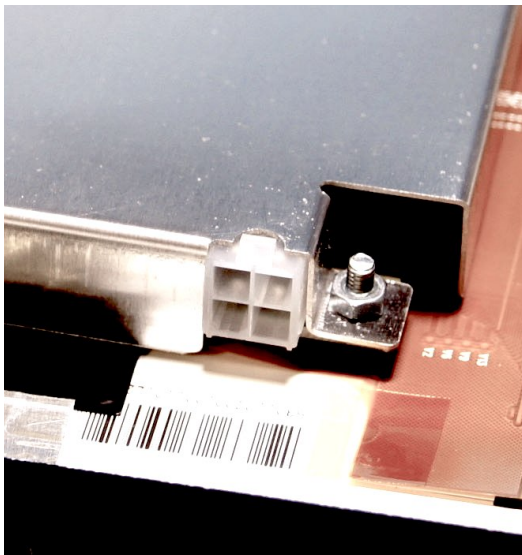


Connection CANbus network

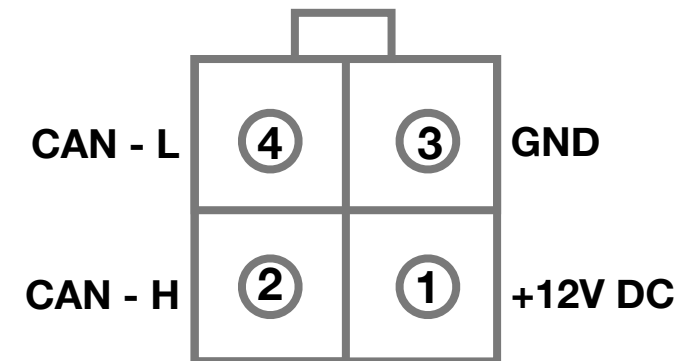
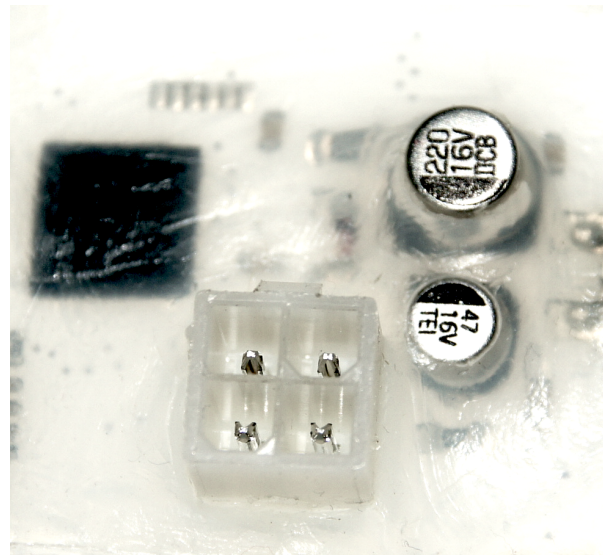


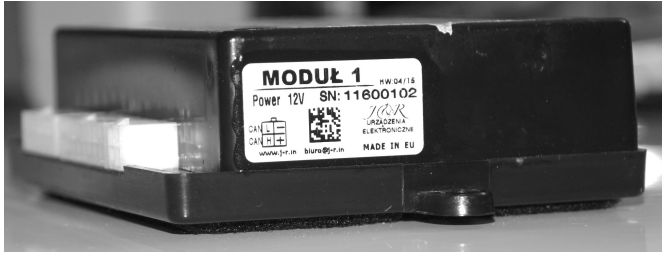
LCD & Keypad connector

LCD connector

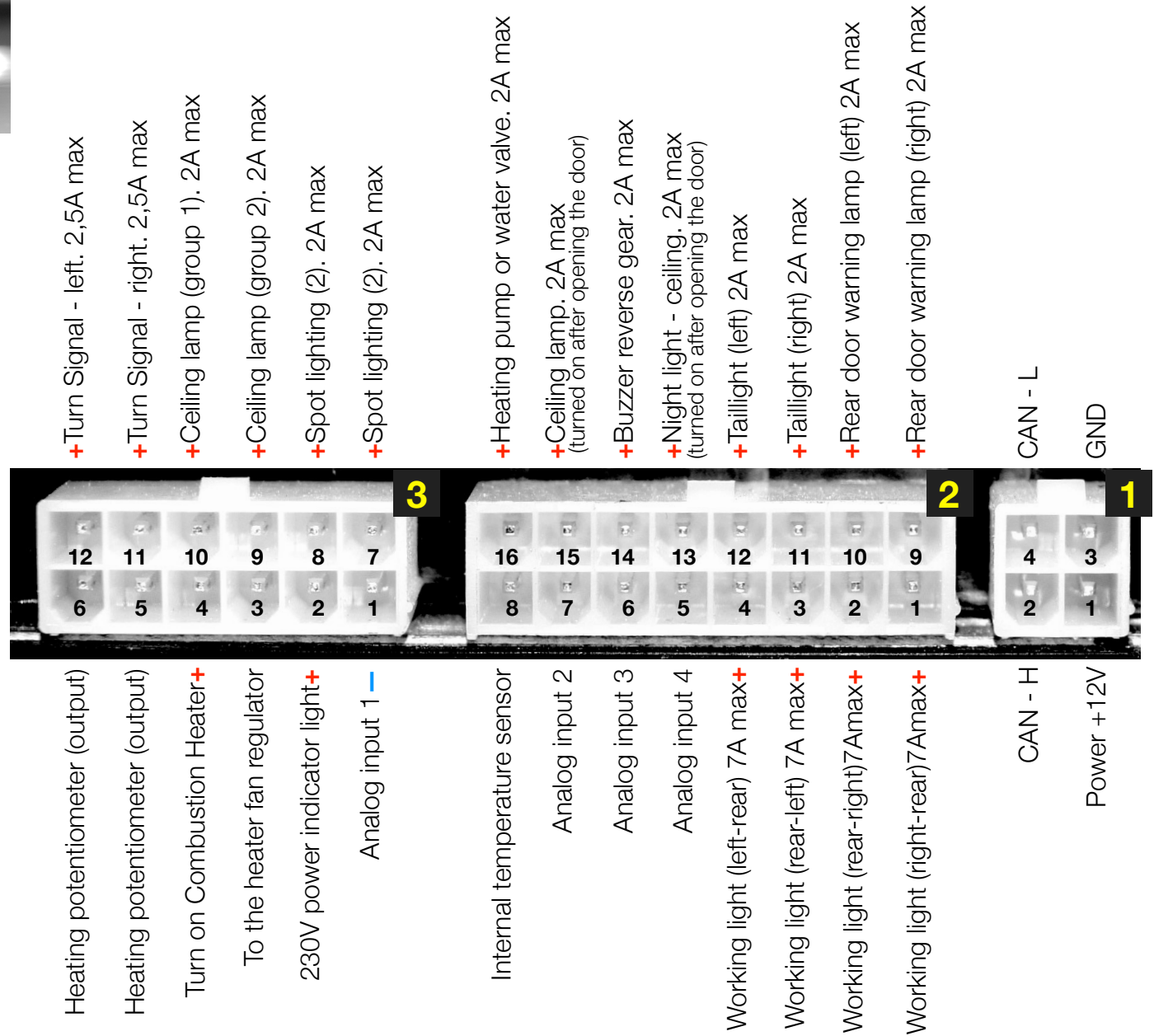


Keypad connector

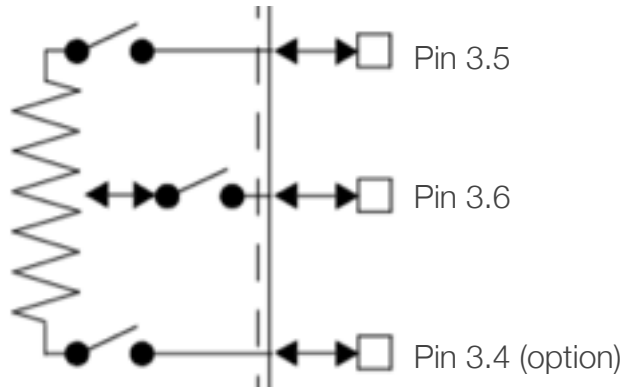




Module no.1 connector



Digital potentiometer in module no1 & 2.



Resistances: 10k Ω .

Resistor Network Resolution: 8-bit; 256Resistors(257Steps)

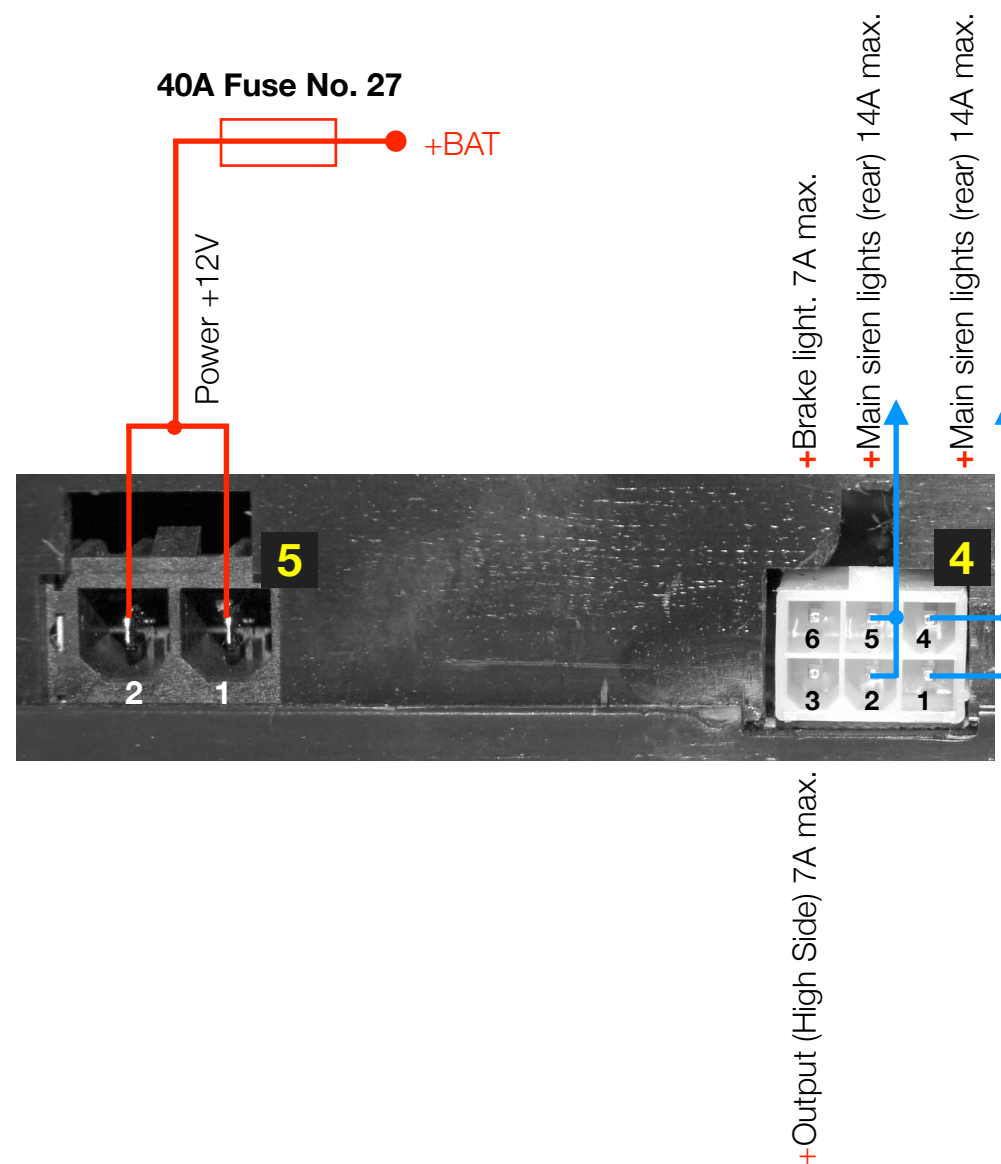
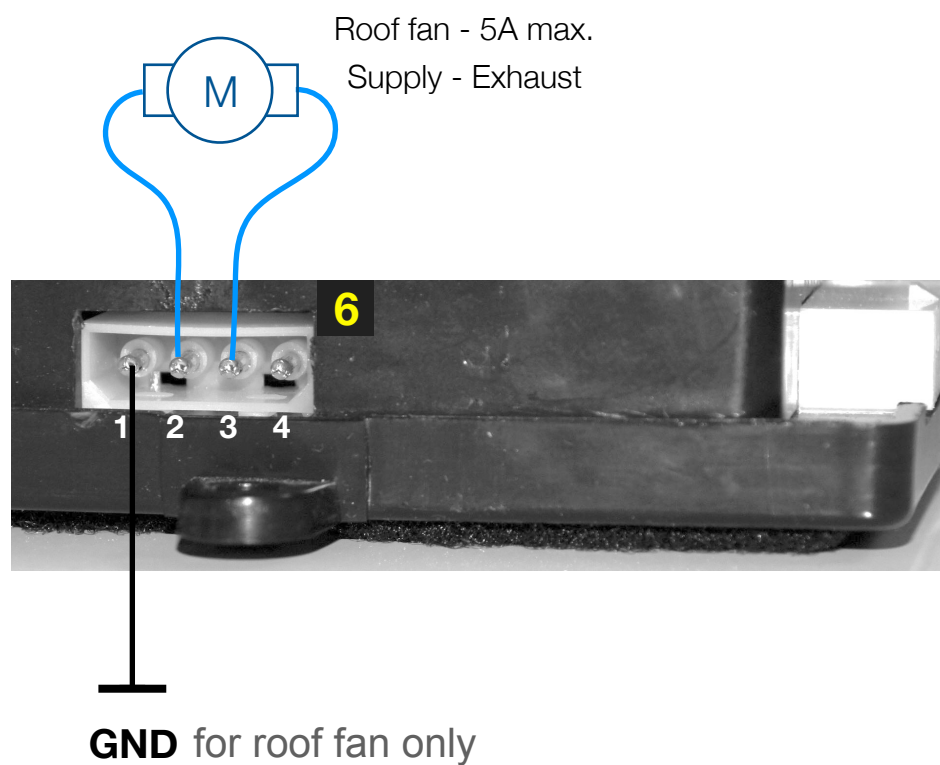
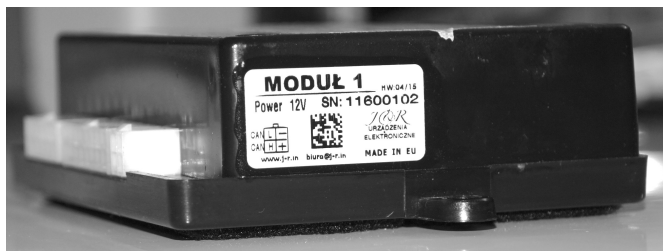
Maximum current into P3.4, P3.5 & P3.6 pins: ± 2.5 mA

ESD protection on all pins: >4 kV (HBM), >300V (MM)

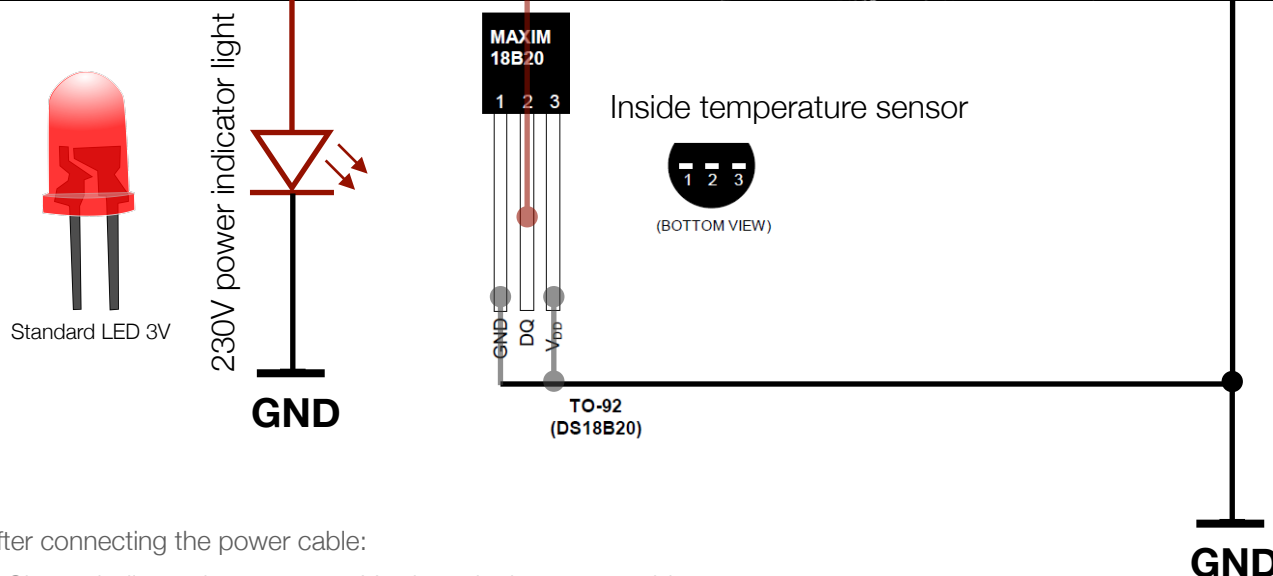
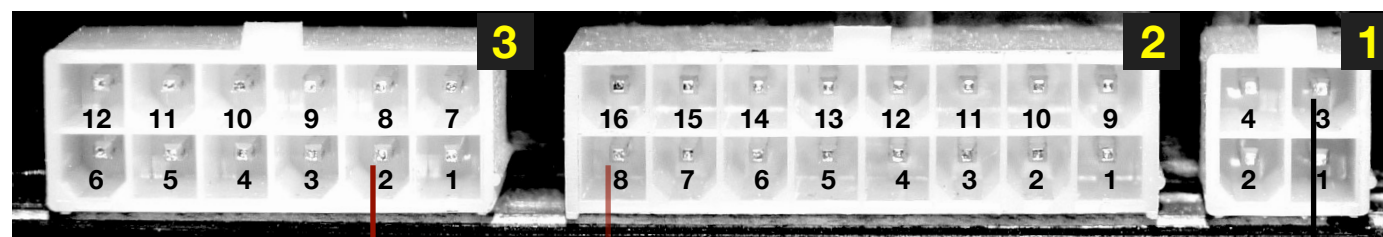
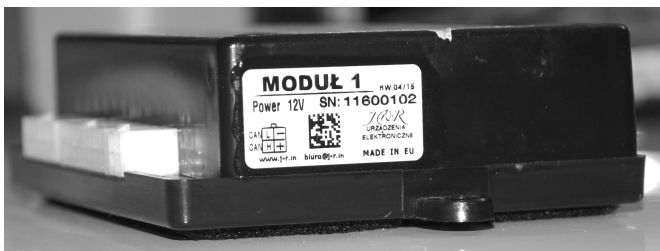
PWM in module no1 & 2.

- ☐ Pin 3.2 - Option: PWM output 2Amps, 0V to VCC, 13kHz(typ) for direct control the power transistor.
- ☐ Pin 3.3 - PWM output 2 Amps, 0V to VCC, 13kHz(typ) for direct control the power transistor.
- ☐ Pin 2.3 - PWM output 7 Amps, high side switch, 300Hz max.
- ☐ Pin 2.4 - PWM output 7 Amps, high side switch, 300Hz max.
- ☐ Pin 3.12 - PWM output 2 Amps, high side switch, 300Hz max.

Module no.1 connector



Module no.1 connector

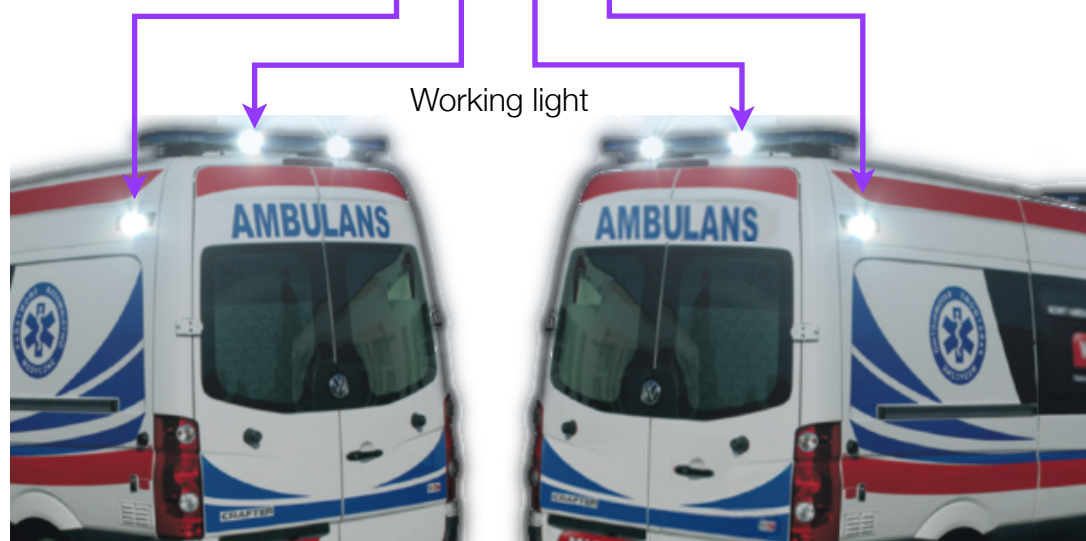
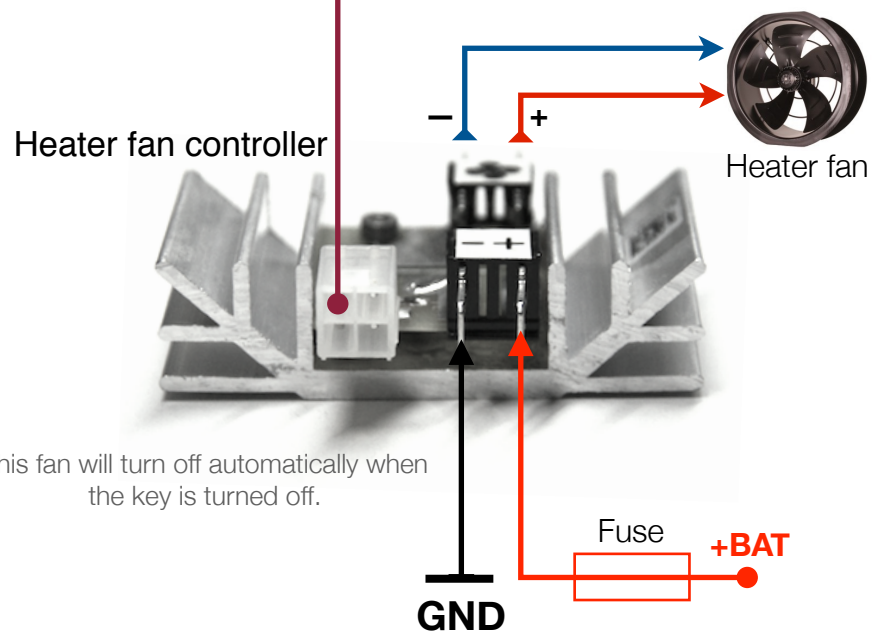
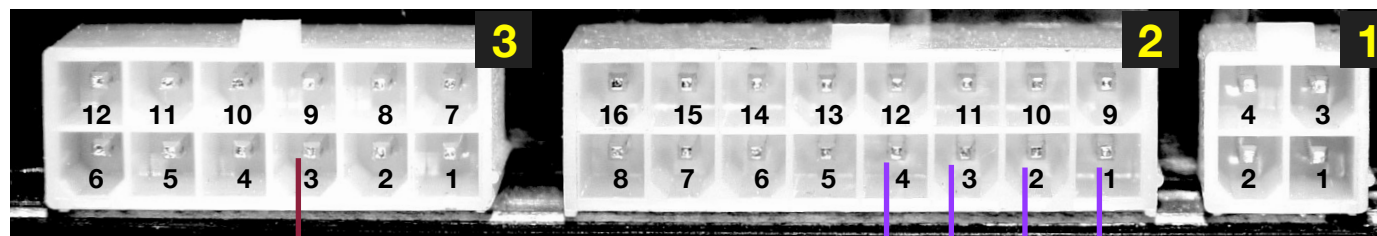
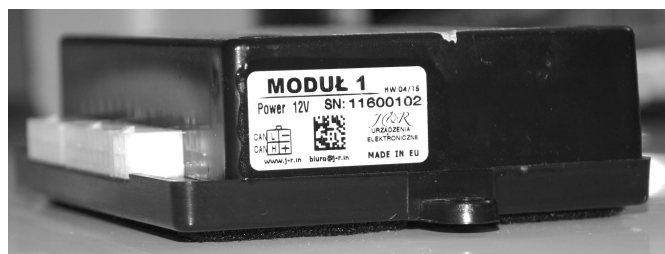


After connecting the power cable:

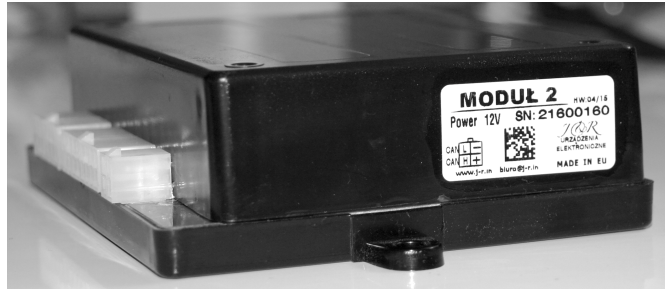
- Charge indicator is off - no 230V voltage in the power cable.
- Charge indicator flashes - no battery charging despite current 230V voltage, charger off or faulty.
- Charge light is on - charging is correct.

Electric heating is automatically switched on - if it is switched on and the temperature in the medical compartment is lower than the required level.

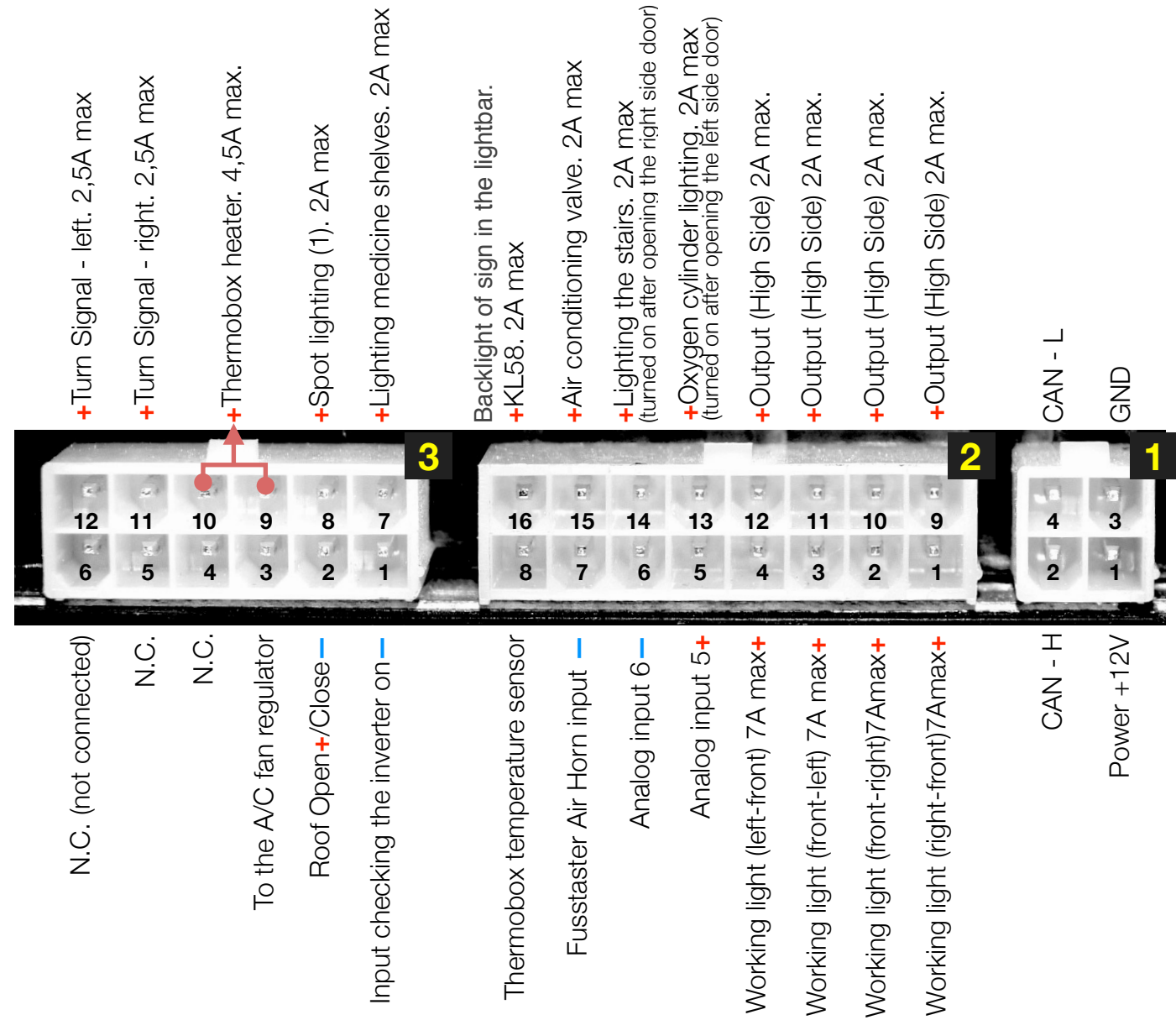
Module no.1 connector



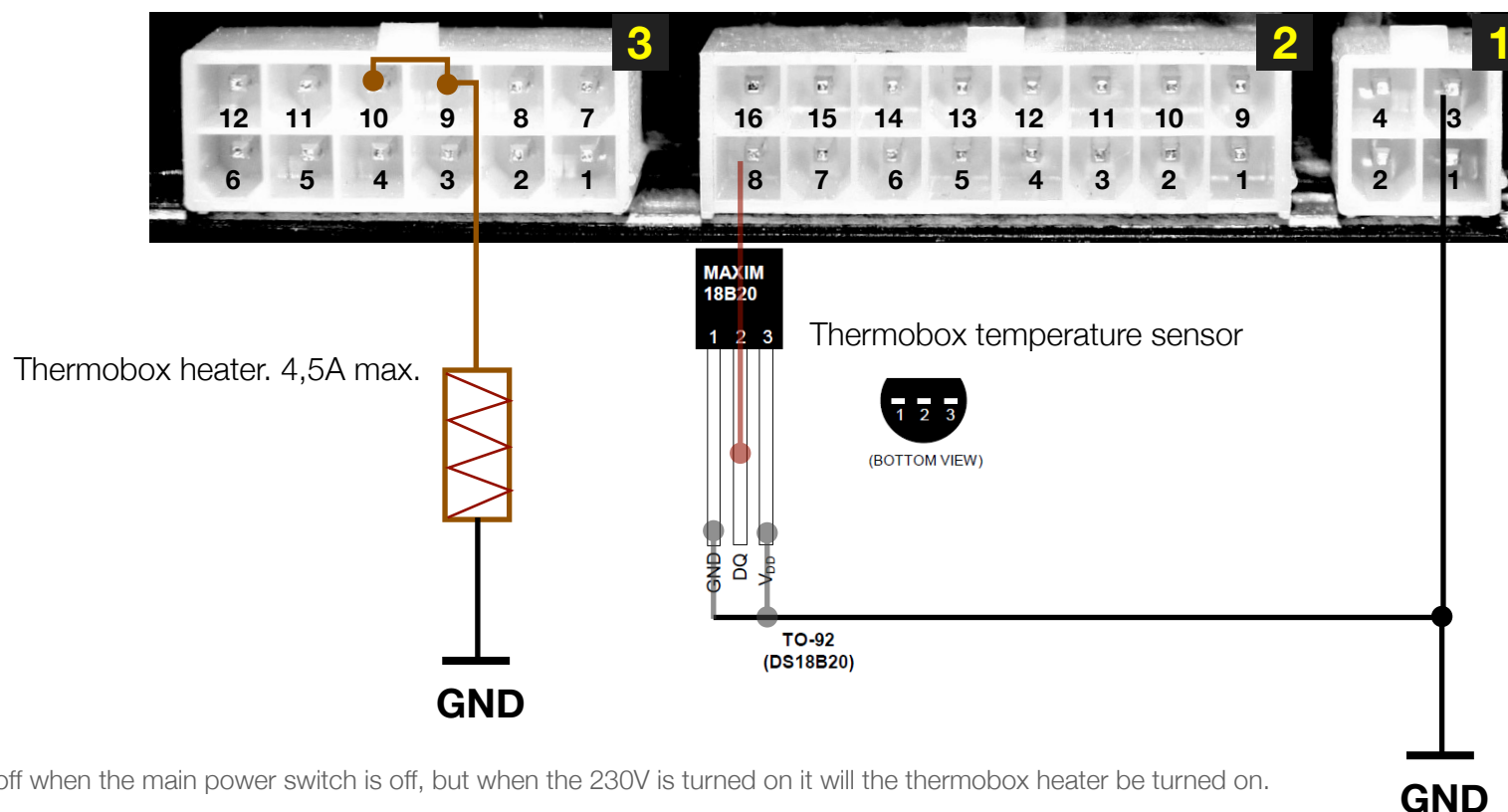
These lights will come on automatically when reverse gear switch on.



Module no.2 connector



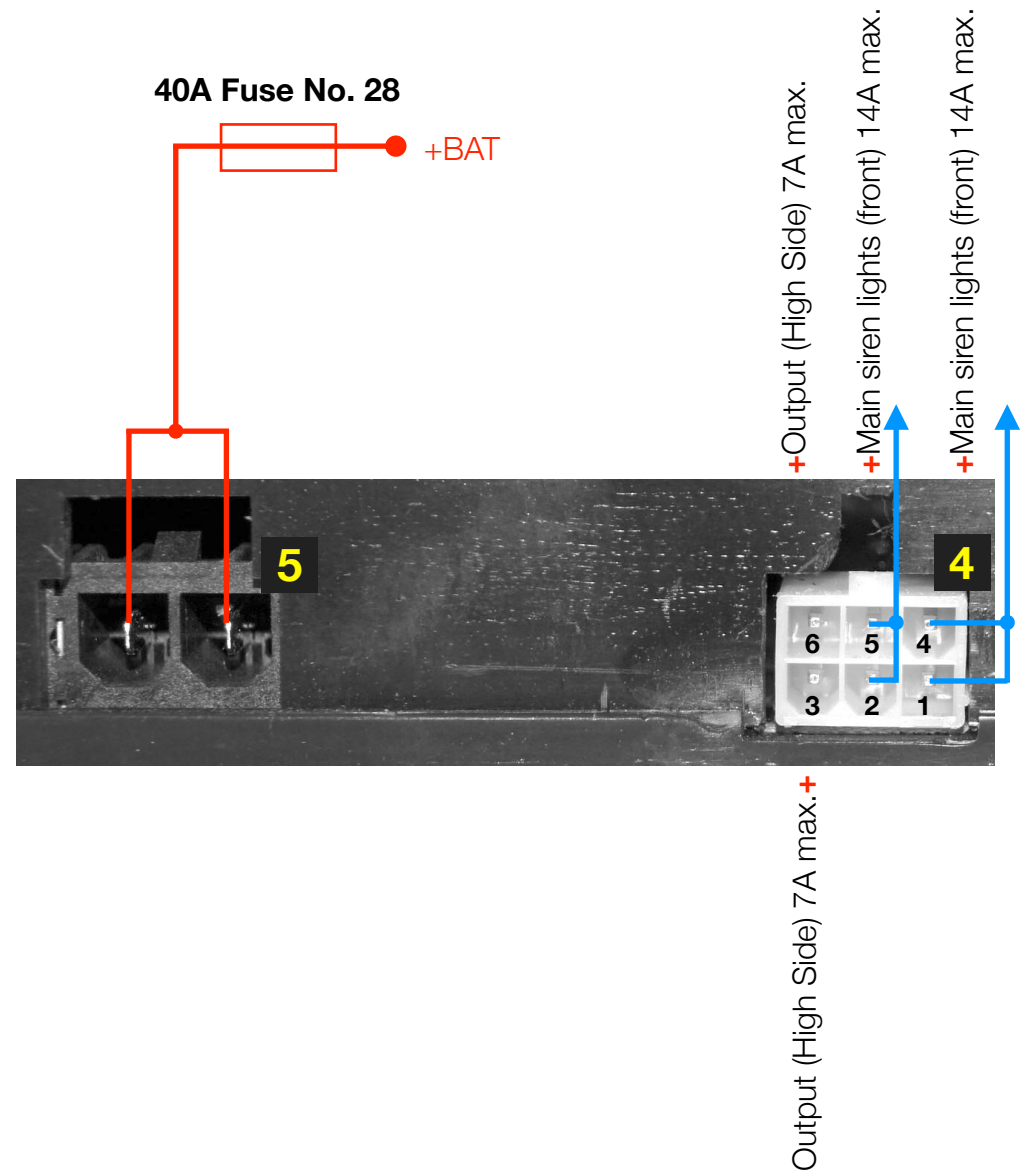
Module no.2 connector



The heater will be switched off when the main power switch is off, but when the 230V is turned on it will the thermobox heater be turned on.

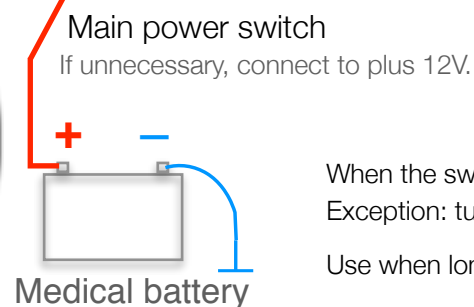
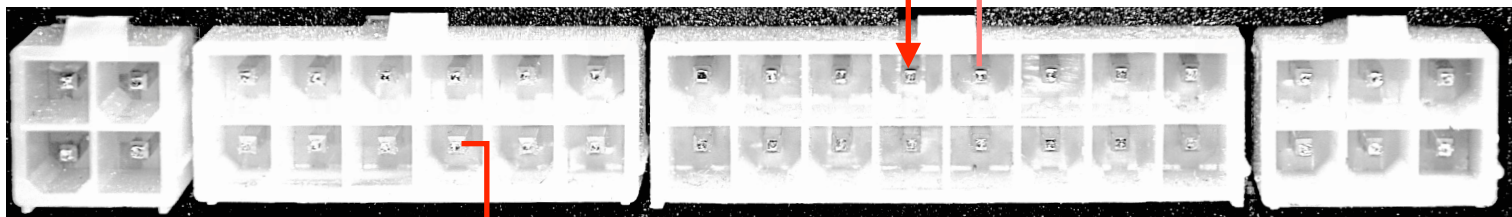
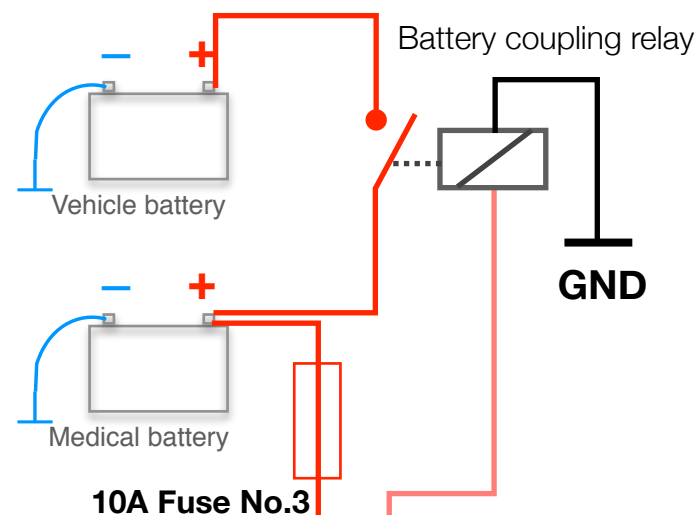


Module no.2 connector



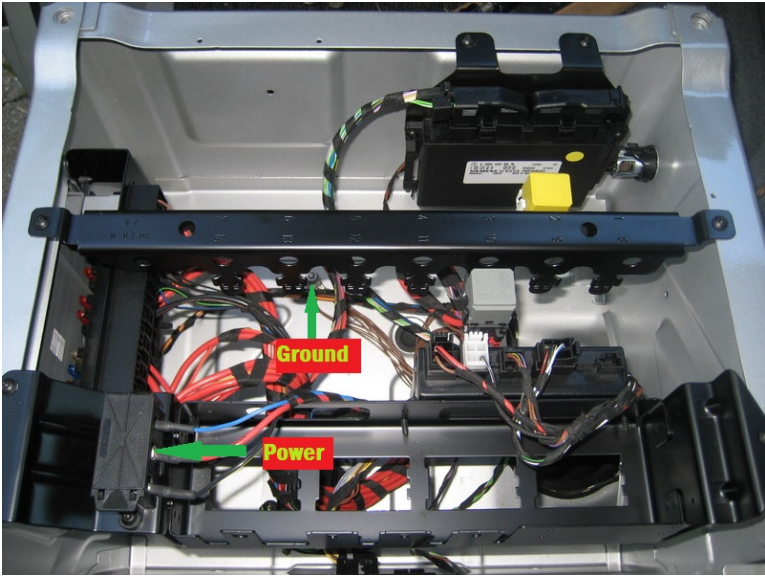
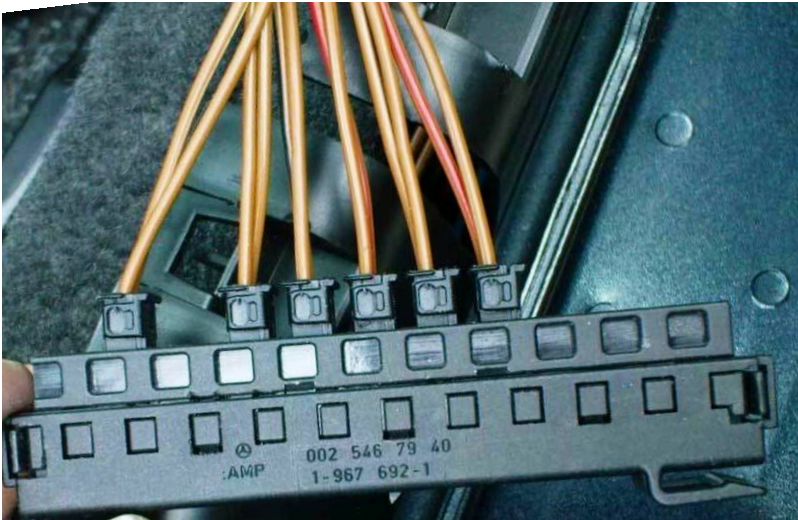
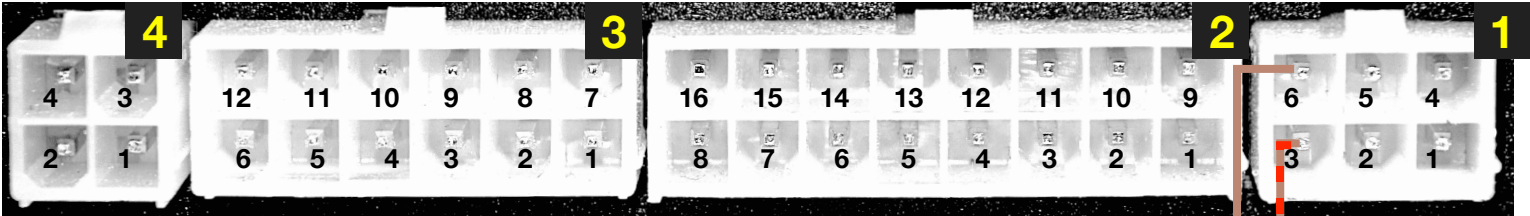


Module no.3 connector



When the switch is off - all electrical loads are turned off.
Exception: turn signals, brake lights, thermobox (when switching on 230V).
Use when long time parking.

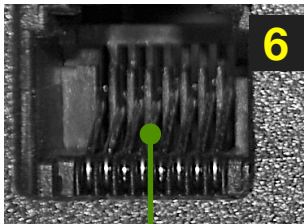
Module no.3 connector



CAN - L brown (Mercedes Sprinter)

CAN - H brown-red (Mercedes Sprinter)

Module no.3 connector



Amplifier control



E.g. Control the Code3 amplifier.

5												6											
24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
+ Input - Fuse No. 24												+ Input - Fuse No. 12											
+ Input - Fuse No. 23												+ Input - Fuse No. 11											
+ Input - Fuse No. 22												+ Input - Fuse No. 10											
+ Input - Fuse No. 21												+ Input - Fuse No. 26											
+ Input - Fuse No. 20												+ Input - Fuse No. 8											
+ Input - Fuse No. 19												+ Input - Fuse No. 7											
+ Input - Fuse No. 18												+ Input - Fuse No. 6											
+ Input - Fuse No. 17												+ Input - Fuse No. 5											
+ Input - Fuse No. 16												+ Input - Fuse No. 4											
+ Input - Fuse No. 15												+ Input - Fuse No. 25											
+ Input - Fuse No. 14												+ Input - Fuse No. 2											
+ Input - Fuse No. 13												+ Input - Fuse No. 1											