

LEGEND:

- F1: 5A fuse connected to the vehicle battery to power the side marker lights (only with NE185 shunt)
 F2: 20A fuse connected to the vehicle battery to power the fridge
 F3: 15A fuse connected directly to the service battery to power the step
 F4: 30A fuse connected directly to the service battery to power the Webasto / Auxiliary
 F5: 15A fuse connected to lights master switch to power the group of lights_1
 F6: 15A fuse connected to lights master switch to power the group of lights_2
 F7: 10A fuse connected directly to the service battery to turn on the fridge and heater and to the pump switch to power the water pump
 F8: 10A fuse connected directly to the service battery to the external light and courtesy light switch
 F9: 15A fuse connected directly to the service battery

OPERATION:**Power activated from control panel:**

The outputs for internal lights (lights_1 and lights_2), external light, pump, aux. and heater control are activated directly by the relevant keys on the control panel.

- The external light goes out automatically when the engine is running
- If the service battery voltage remains under 10V for over a minute, the NE148/NE185 shunt automatically turns off all the power for lights, pump, aux. and heater. To recharge press the relevant keys on the control panel. If the battery is still under 10V, it will be deactivated again after one minute.

Services activated by D+: with NE148 shunt


The coupler relay and fridge relay are enabled only if there is the +Key signal (or +alternator) and if the starter battery exceeds 13.0 V. They are automatically disabled by turning off the engine or when the starter battery voltage is below 12.0 V.

JP6 pin1	+vehicle battery
+12V	>13V



The coupler relay recharges the service battery with the alternator when the engine is running.
 The fridge relay powers the three-purpose fridge at 12V when the engine is running.
 - If an external battery charger is used, remove the J5 bond.

Services activated by D+: with NE185 shunt

The coupler relay and fridge relay are enabled immediately in one of these two conditions:

 +Alternator JP6 pin1
+12V

or

 +key JP13 pin 3	 D+ JP13 pin 2
+12V	on

The coupler relay recharges the service battery with the alternator when the engine is running.
 The fridge relay powers the three-purpose fridge at 12V when the engine is running.
 - If an external battery charger is used, remove the J5 bond.

Side marker signal: with NE185 shunt

The side-marker output can be activated with a negative control (negative) on the JP13 block, pin 4, or with a positive control (+12V) on the JP13 block, pin 1.

DIMENSIONS:

Wall-fitted box only: (L x H) 183 x 98 mm
 Full upright container: (L x H x P) 215 x 102 x 186 mm