

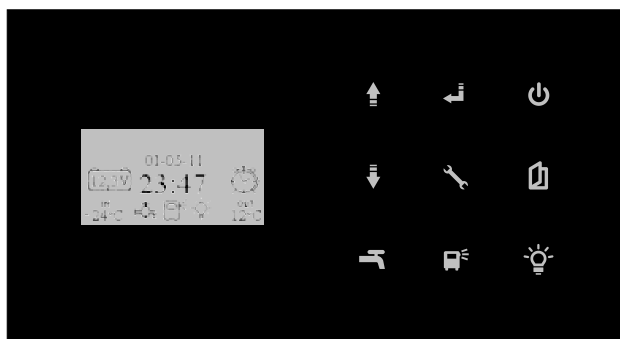


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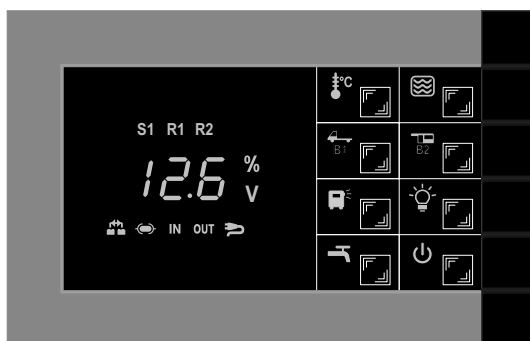
NE268 NE269

NE185_11-T

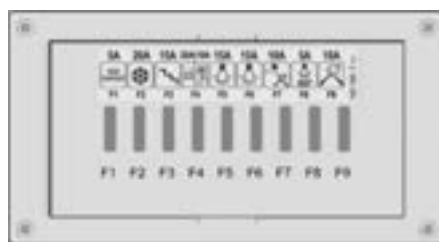
- I** ISTRUZIONI D'USO
- GB** INSTRUCTIONS MANUAL
- F** INSTRUCTIONS D'EMPLOI
- D** BEDIENUNGSANLEITUNG
- E** INSTRUCCIONES PARA EL USO



mod. NE269



mod. NE268



mod. NE185_11

CONTROLS:

Push button with warning light for turning
INTERNAL LIGHTS on or off



Push button with warning light for turning
PUMP on or off



Push button with warning light for turning
EXTERNAL LIGHTS on or off

SCREENS:

The warning light goes on when the 230V mains is connected



The warning light goes on when a fuse on the NE185 shunt burns out



The warning light goes on when the vehicle engine is running and the parallel batteries is active



Press the push button to see internal temperature on the display (IN), press the push button twice to view external temperature (OUT). If you get the message "OFF", the external temperature sensor is not present. If the temperature probe is faulty the wording " - " will appear. The screen remains active for approx. 30 seconds.



Repeatedly pressing this Key for viewing the level percentage (0, 33, 66, 100) of the its reservoir identified with the symbols S1, R1, R2. If S1 is empty, or R1, R2 are full with the display flashes. If the tank is wrongly connected, the display will show " - - - ". The screen remains active for approx. 30 seconds.



Press the push button once to see the voltage on the service battery (B2), Press the push button again to see displays the % the remaining battery. The screen remains active for approx. 30 seconds.



Press the push button once to see the voltage on the starter battery (B1), Press the push button again to see displays the % the remaining battery. The screen remains active for approx. 30 seconds.

ALARMS:

Batteries: Car battery (B1) less than 11,8V or Service battery (B2) less than 10V.

In this case there is a bleep (if enabled) and the flashing battery button that have generated the alarm (for the first 30 seconds you see the value)

Hold for more than 3 seconds () button can be disabled (show "OFF") or enabled (show "ON") the low car battery alarm

Hold for more than 3 seconds () button can be disabled (show "OFF") or enabled (show "ON") the low service battery alarm

Tanks: Tank S1 empty or Recovery tanks R1,R2 full.

In this case there is a bleep (if enabled) and the flashing symbol the corresponding tank that raised the alarm (for the first 30 seconds you see the value)

Hold for more than 3 seconds () button can be disabled (show "OFF") or enabled (show "ON") the alarm of all tanks

Beep: Hold for more than 3 seconds () button can be disabled (show "OFF") or enabled (show "ON") the the confirmation beep button pressed, and alarm buzzers

SEr This symbol appears when there is an error communicating with NE185 shunt.

CONSUMPTION:

Press the () key to turn on the control panel.

On stand by (no active controls or back lighting) the control panel with shunt NE185 consumes a total of approx 31mA. When the key is pressed the control panel turns itself off and total consumption is reduced to just 2,5mA.

If the service battery voltage drops below 10V, after 1 minute the control panel turns itself off, together with all live parts.

CONNECTIONS:

The back of the panel has a connector for serial connection (JP3), a connector for the optional external temperature probe (JP5) and a connector for the remote internal temperature probe (JP4).

By connecting the internal temperature probe the panel automatically exclude the sensor inside the panel.

LEGEND:

- F1: 5A fuse connected to the vehicle battery to power the side marker lights
 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: 20A/10A fuse connected directly to the service battery to power the Webasto (20A) o Combi (10A)
 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 boiler and to the pump switch to power the water pump
 F8: 5A fuse connected directly to the service battery to the external light and courtesy light switch
 F9: 10A fuse connected directly to the service battery for igniting the stove, wc, gas, etc.

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

The outputs for internal lights (lights_1 and lights_2), external light, pump 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 NE185 shunt automatically turns off all the power for lights, pump. 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+:

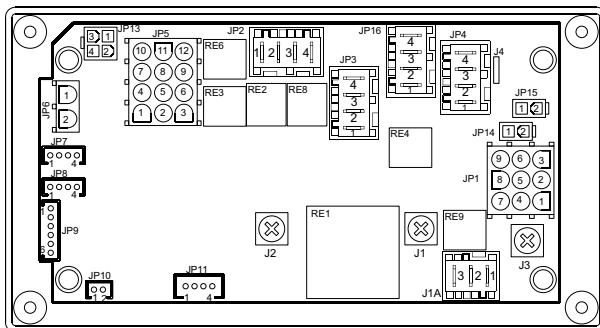
The coupler relay and fridge relay are enabled immediately in one of these two conditions:

 +Alternator JP6 pin1 +12V	or	KEY-ON  +key JP13 pin 3 +12V D+  D+ JP13 pin 2 on
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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.

Side marker signal:

The side-marker output can be activated with a negative control (negative) on the JP13 block, pin 4

**JP1 : NEGATIVE**

- 1.2.3.4.5.6.7.8.9: NEGATIVE

JP2: LIGHT OUTPUT (BLACK)

1. LIGHTS_2 (+) (F6 15A)
2. LIGHTS_1 (+) (F5 15A)
3. NEGATIVE
4. NEGATIVE

JP3: STEP OUTPUT, TRUMA (RED)

1. Webasto / Combi output (+) (F4 20/10A)
2. STEP output (+12V) (F3 10A)
3. NEGATIVE
4. NEGATIVE

JP4: FRIDGE OUTPUT (WHITE)

1. Direct fridge output (+) (F2 20A)
2. Fridge output (+) activated by relay (F2 20A)
3. Gas ignition power supply (+) (F7 10A)
4. NEGATIVE



1. NEGATIVE
2. Fridge output (+) activated by relay (F2 20A)
3. Direct fridge output (+) (F2 20A)

JP5: POWER OUTPUTS

9. Heater ignition (F7 10A)
- 1.4.5.7.8. Ignition (F9 10A)
12. PUMP output (+) (F7 10A)
6. External light output (+) (F8 5A)
- 2.3. Courtesy light output (+) (F8 5A)
10. output d+ (max 1A)
11. output step in (max 1A)

JP6: D+ INPUT, POWER MAIN ON

1. D+ input from alternator
2. POWER MAIN ON input from battery charger

JP7: RECYCLE TANKS R2

1. NEGATIVE
2. 1/3 recycle tanks R2
2. 2/3 recycle tanks R2
2. 3/3 recycle tanks R2

JP8: RECYCLE TANKS R1

1. NEGATIVE
2. 1/3 recycle tanks R1
2. 2/3 recycle tanks R1
2. 3/3 recycle tanks R1

JP9: TANKS (S1)

1. NEGATIVE
2. 1/3 drinking water tank S1
3. 2/3 drinking water tank S1
4. 3/3 drinking water tank S1
- 5.6. N.c.

JP11: CONTROL PANEL

4-pole connector to connect the control panel with the cable provided.

JP13: D+ CONTROL INPUT, SIDE MARKER

1. n.c.
2. D+ negative control input (C036L1A -2)
3. +Key input (C036L1A -13)
4. Side Marker negative control input (C036L1A -11)

JP14: Side Marker left output

1. Side Marker left output (+) (F1 5A)

JP15: Side Marker right output

1. Side Marker right output (+) (F1 5A)
2. NEGATIVE
2. NEGATIVE

JP16: CONNECTION FOR SOLAR PANEL (GREEN)

1. CAR BATTERY (F2 20A)
2. LEISURE BATTERY (F3 10A)
3. Ignition (F7 10A)
4. NEGATIVE

J1: AUTO BATTERY INPUT

Input + CAR battery (B1)

J2: SERVICE BATTERY INPUT

Input + LEISURE battery (B2)

J3: NEGATIVE

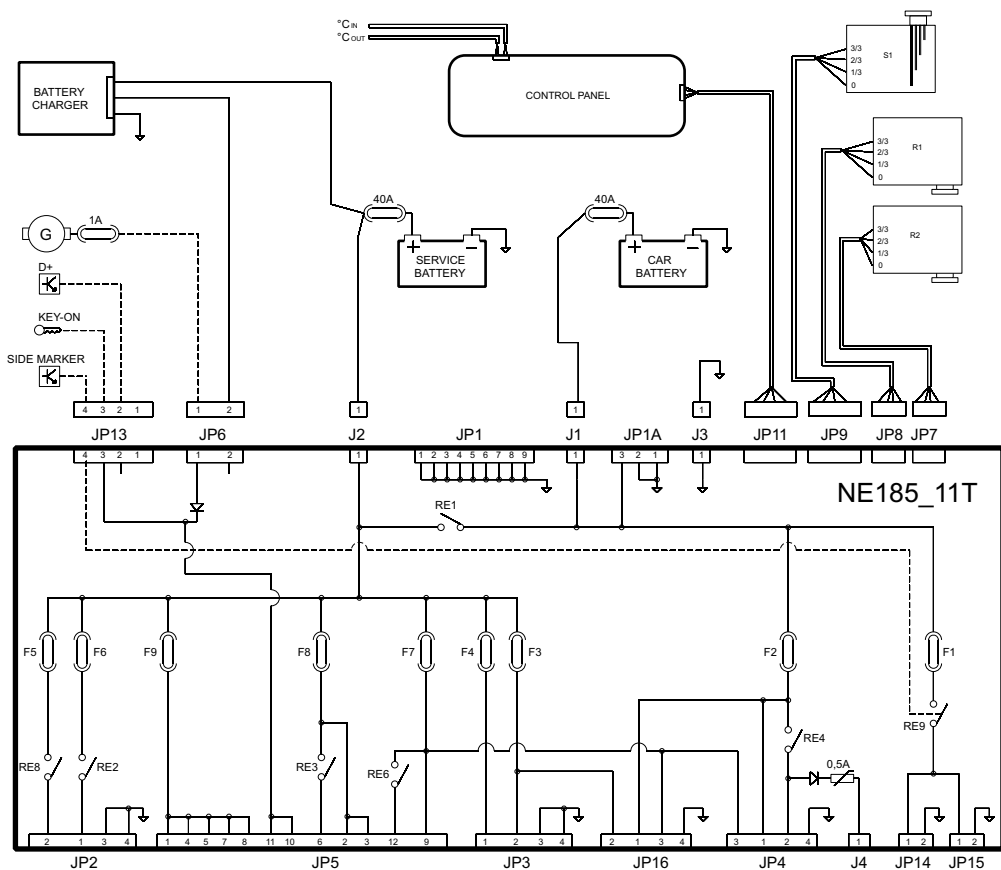
NEGATIVE

J4 : D+ OUTPUT

Positive output (max. 0.5A) to activate all charges operating with engine running (e.g. fridge AES, aerial entry, discharge valves, etc.)

J1A: AUTO BATTERY

- 1,2. NEGATIVE
3. + CAR battery (B1)



- I** - La garanzia decade nel caso di un utilizzo improprio degli apparecchi ed il produttore declina ogni responsabilità per danni a cose o persone
 - I dati riportati nei fogli di istruzioni possono subire modifiche senza preavviso alcuno, questo è dovuto alle continue migliorie tecniche.
- GB** - The warranty is not valid if the equipment is used inappropriately, and the producer declines any responsibility for damage to persons or things.
 - The data on the instructions sheets may be altered without notice for the purpose of continuous technical improvement.
- F** - Les garanties seront caduques dans le cas d'une utilisation impropre des appareils et le fabricant décline toute responsabilité pour dommages à des biens ou à des personnes.
 - Les données rapportées dans les fiches d'instruction peuvent subir des modifications sans aucun préavis, ceci étant dû aux améliorations techniques continues.
- D** - Die Garantie verfällt bei unsachgemäßem Gebrauch der Geräte und der Hersteller haftet nicht für Schäden an Personen und Gegenständen.
 - Die in den Betriebsanleitungen angeführten Daten können im Sinne technischer Verbesserungen ohne Vorankündigung geändert werden.
- E** - La garantía decae en caso de una utilización impropia de los aparatos y el productor declina toda responsabilidad por daños a cosas o personas
 - Los datos indicados en las hojas de instrucciones pueden sufrir modificaciones sin preaviso alguno; esto se debe a las continuas mejoras técnicas.



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