



**ARVIKON**  
SMART CARAVANING

**HELP GUIDE TO PERFORM A REFIT  
FROM SCHAUDT EBL 30 TO ARVIKON**

**THE BASE VEHICLE IS:**

**HYMER GRAND CANYON 2021**



# 0 IN TRODUCTION

This guide is only a support for the installer to perform a REFIT. The manufacturers modify the uses of the outputs of the control units according to the equipment, so it may not be 100% specific.

As it is a guide, no modification should be made without making sure that it is really correct on the vehicle.

Arvimarine Control Systems SL is not responsible for any damage caused to the vehicle or to the Arvikon control unit itself due to an installation problem.

# 1 ELECTROBLOCK DIAGRAM

## Instruction Manual for Electrobloc EBL 30 / EBL 30 with OVP



### E Layout

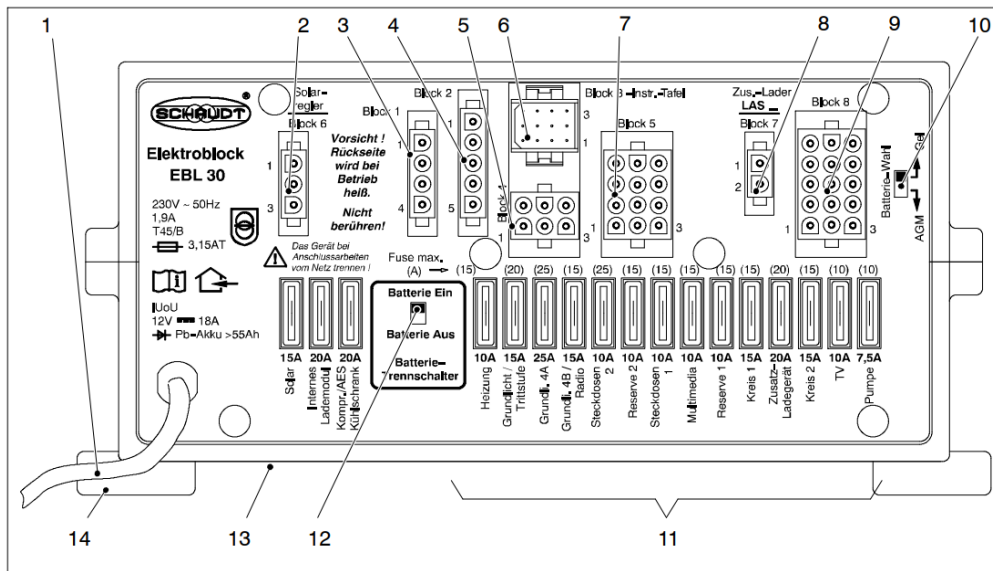


Fig. 4 Layout of the EBL 30 electroblock (front)

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>1 Mains cable with WAGO plug connector</li> <li>2 Connection block, solar regulator</li> <li>3 Connection block, refrigerator</li> <li>4 Connection block, refrigerator supply D+, battery sensor/control lines</li> <li>5 Connection block, frost protection valve, heating and floor light/steps</li> <li>6 IT ... / LT ... control and display panel connector</li> <li>7 Connection block spare 2, sockets 2 floor light 4A and 4B/radio</li> </ul> | <ul style="list-style-type: none"> <li>8 Connection block, additional charger</li> <li>9 Connection block TV, pump, sockets 1, spare 1, circuits 1 and 2</li> <li>10 Lead-gel / AGM battery changeover switch</li> <li>11 Flat vehicle fuses</li> <li>12 Battery cut-off switch</li> <li>13 Housing</li> <li>14 Assembly flaps</li> </ul> |
|--|---|

# 2 LIST OF INPUTS AND OUTPUTS

## CONNECTOR 2 (BLOCK 6) SCHAUDT: SOLAR REGULATOR

IN SCHAUDT		IN ARVIKON
PIN 3	REG. SOLAR BAT VIVIEND	BLOCK 1 - pin 1
PIN 1	REG. SOLAR BAT MOTOR	CANCELLED
PIN 2	GND REG SOLAR	BLOCK 1 - pin 2

## CONNECTOR 3 (BLOCK 1) SCHAUDT: REFRIGERATOR BLOCK

IN SCHAUDT		IN ARVIKON
PIN 4	REFRIGERATOR COMPRESSOR	BLOCK 26 pin 2
PIN 1	REFRIGERATOR ABSORPTION	CANCELLED
PIN 2	D+	CANCELLED
PIN 3	GND NEVERA	BLOCK 26 pin 1

## CONNECTOR 4 (BLOCK 2) SCHAUDT: AUXILIARY CONNECTIONS

IN SCHAUDT		IN ARVIKON
PIN 5	BAT SENSOR HOUSING +	CANCELLED
PIN 2	SENSOR BAT HOUSING -	CANCELLED
PIN 1	12V BAT MOTOR	BLOCK 17 PIN 1
PIN 3	D+	CANCELLED
PIN 4	GND MOTOR BATTERY	CANCELLED

## CONNECTOR 5 (BLOCK 4) SCHAUDT: AUXILIARY CONNECTIONS

IN SCHAUDT		IN ARVIKON
PIN 4	FROST	CANCELLED
PIN 1	+ HEATING	CANCELLED
PIN 5	- HEATING	CANCELLED
PIN 2	+ GROUND LIGHT	BLOCK 7 pin 2
PIN 3	+ STAIRS	CANCELLED
PIN 6	- STEP AND FLOOR LIGHT	BLOCK 7 pin 1

## CONNECTOR 6 (IT BLOCK) SCHAUDT: CONTROL UNIT

IN SCHAUDT		IN ARVIKON
ALL		CANCELLED

## CONNECTOR 7 (BLOCK 5) SCHAUDT: AUXILIARY CONNECTIONS

IN SCHAUDT		IN ARVIKON
PIN 9	+ FLOOR LIGHT 4B AND RADIO	BLOCK 7 pin 2
PIN 12	- 4B GROUND LIGHT AND RADIO	BLOCK 7 pin 1
PIN 1	+ LIGHT 4A	BLOCK 7 pin 2
PIN4	+ LIGHT 4A	BLOCK 7 pin 2
PIN5	- LIGHT 4A	BLOCK 7 pin 1
PIN 10	- LIGHT 4A	BLOCK 7 pin 1
PIN 2	+ LIGHTS	BORNE AUX
PIN 3	+ LIGHTS	BORNE AUX
PIN 7	- LIGHTS	GND
PIN 8	- LIGHTS	GND
PIN 6	+ EXTRA	BORNE AUX
PIN 11	- EXTRA	BORNE AUX

## CONNECTOR 8 (BLOCK 7) SCHAUDT: EXTERNAL CHARGER

IN SCHAUDT		IN ARVIKON
PIN 2	+ LOADER	CANCELLED
PIN 1	- LOADER	CANCELLED

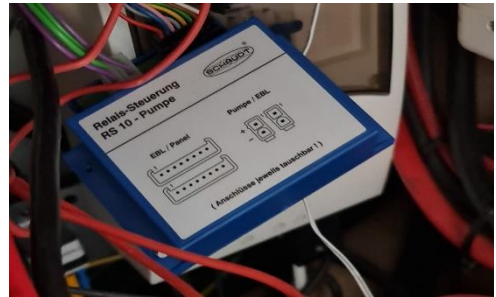
## CONNECTOR 9 (BLOCK 8) SCHAUDT: AUXILIARY CONNECTIONS

IN SCHAUDT		IN ARVIKON
PIN 6	+ TV	BORNE AUX
PIN 12	- TV	GND
PIN 9	+ BOMB	BLOCK 22 pin 2
PIN 14	- BOMB	BLOCK 22 pin 1
PIN 2	+ CIRCUIT 1	AUX
PIN 8	- CIRCUIT 1	GND
PIN 3	+ CIRCUIT 2	AUX
PIN 10	- CIRCUIT 2	GND
PIN 7	+ LIGHTS	AUX
PIN 13	- LIGHTS	GND
PIN 4	+ MULTIMEDIA	AUX
PIN 11	- MULTIMEDIA	GND
PIN 1	+ EXTRA	AUX
PIN 5	- EXTRA	GND
PIN 15	N.A.	CANCELLED

## **ATTENTION: WATER LEVELS AND PUMP**

The water levels in this brand are taken directly to the control unit, and by means of a signal with a relay module they make the water pump work.

It is necessary to reconduct the wires of the levels from its deposit to our equipment and to annul that module of relay.



**WE RECOMMEND REPLACING THE LEVEL PROBES AND INSTALLING NEW ONES, E.G. 0-180OHM FLOAT PROBES.**



