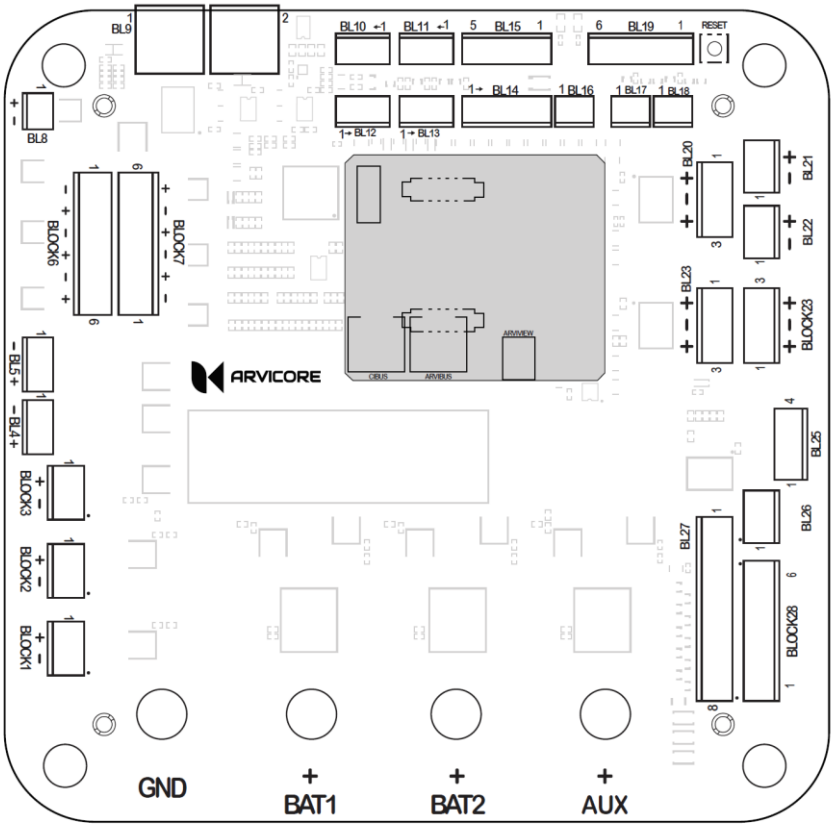
ARVIKON SMART CARAVANING™

ARVICORE

Compatible Equipment Installation Guide



V 3.0.2 (August 2023)

More than 60 brands and 170 compatible products

PLEASE NOTE THAT THE CONTENT OF THE MANUAL WILL BE CONTINUOUSLY UPDATED. TO ENSURE THAT YOU HAVE THE LATEST VERSION, DOWNLOAD THE LATEST VERSION AVAILABLE

WWW.ARVIKON.COM/OFFICIALDOCS

INDEX OF DATA SHEETS

INTRODUCTION

The ARVIKON SMART CARAVANING™ system consists of:

1) Our new generation **ARVICORE** electroblock**;**
2) **ARVIEW** Multi-touch display (7, 10 or 15"), or special OEM versions;
3) The ARVIKON Smart Caravaning™ **APP** (with remote access via ARVINET server);
4) **ARVINET** server allowing remote access, updates, remote assistance;
5) An **accessory** pack containing
    - 9x connectors (2-8) pins
    - 2x temperature probes
    - 10x water probes
    - 4x nuts M6
    - 1x mini USB cable to connect to ARVIEW
    - 1x display jack connector
6) An XPAND ARVISHUNT expansion which is a multipurpose shunt and RV Power manager;
7) Compatible head units or car radios that can replace the ARVIEW display in certain cases (contact dev@arvikon.com for more information).

The ARVIKON SMART CARAVANING™ system manual set consists of:

- U01 - User Manual
- M01 - ARVICORE Installation Manual
- M02 - Compatible equipment specific installation sheets
- M03 – System Activation Guide
- M04 – ArviView Multimedia Installation Manual
- M05 - XPAND ARVISHUNT XPAND Expansion Manual

This instruction manual is a complement to the document M01 ARVICORE Installation Manual. It contains all the specific information about the installation of all the equipment compatible with the Arvikon Smart Caravaning System and our New Generation ARVICORE electroblock.

Be sure to follow the manual for installation and in case of doubts contact your distributor or authorized service.

ARE THERE ANY MISSING BRANDS?

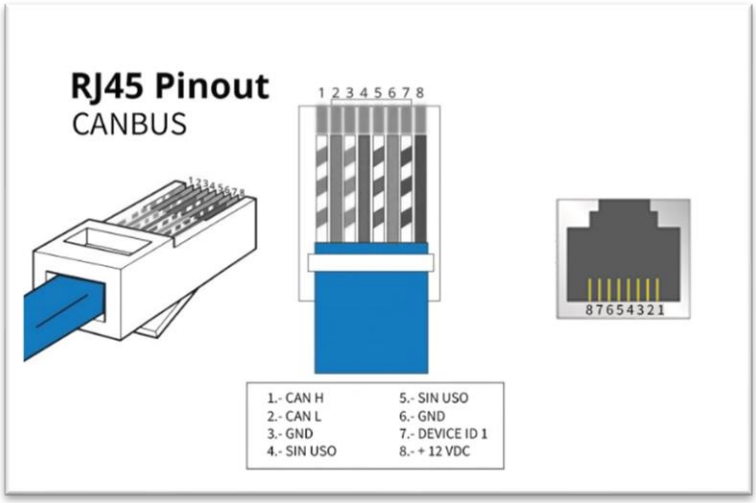
ARE THERE ANY MISSING DEVICES OR MODELS?

ARE YOU A MANUFACTURER AND WANT TO BE ON THIS LIST?

WRITE TO: DEV@ARVIKON.COM

SHEET 0: CANBUS SYSTEMS

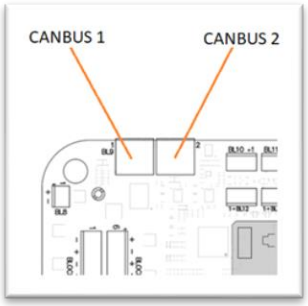
0.1 PINOUT AND HARDWARE



The ARVIKON CANBUS PINOUT is shown in the figure on the left. In case of connecting to other devices with different connectors, e.g. DeviceNet Micro-C M12 5-pin, the correct connection must be made.

The terminator if done on the cable itself, the 120 ohm resistor must be installed between CAN H and CAN L.

0.2 CAN BLOCK CONNECTORS BL9 1 AND BL9 2



CANBUS 1 - CONNECTION TO CANBUS EQUIPMENT

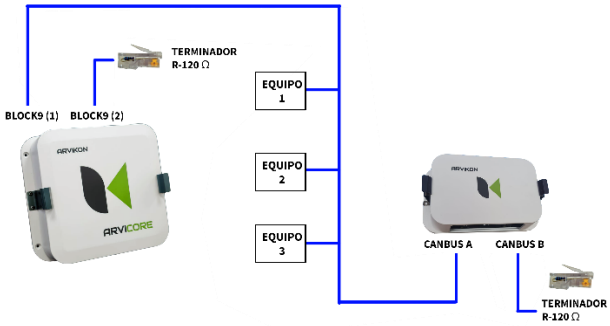
CANBUS 2 - TERMINATOR R-120 ohm

CANBUS SPEED - 250kbps

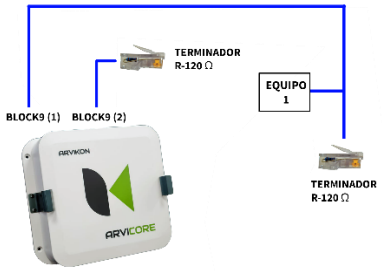
0.3 WIRING DIAGRAM

If more than 1 slave is to be connected or the equipment has the SHUNT connected, install the slaves between the ARVICORE and ARVISHUNT and install CAN terminators (R120ohm) on both sides. If it is only a slave and you do not have the SHUNT installed, connect the slave and install the terminator after the slave. If the slave does not have a terminator connector, you will have to do it on the cable itself.

VARIOUS CANBUS EQUIPMENT

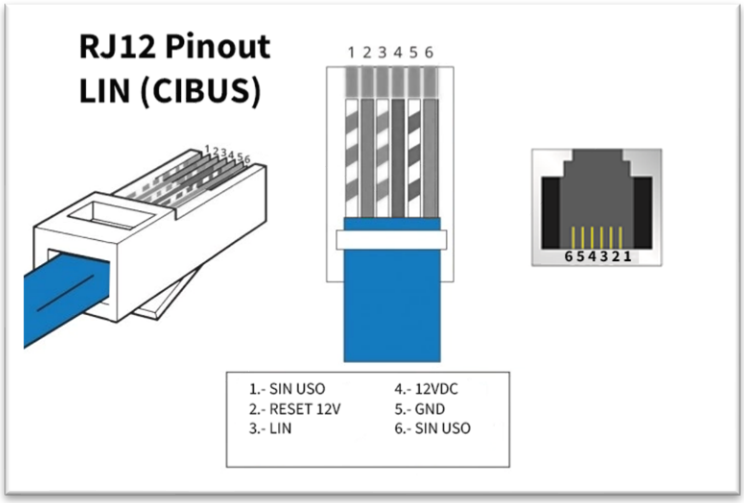


A SINGLE CANBUS UNIT



SHEET 00: LIN SYSTEMS

00.1 PINOUT AND HARDWARE



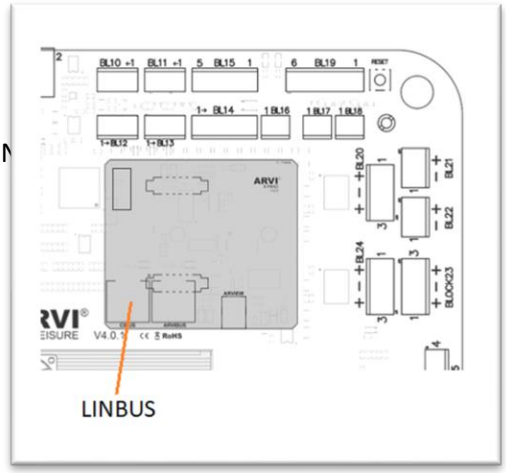
The ARVIKON LINBUS PINOUT is shown in the figure on the left. In case of connecting to other equipment with different connectors or with only 1 wire, connect correctly.

If the equipment to be controlled has only 1 wire, it is LIN, it must be connected to PIN3.

You can find equipment with two wires, LIN and GND.

00.2 LIN CONNECTOR

LINBUS - CONNECTION TO LINBUS EQUIPMEN

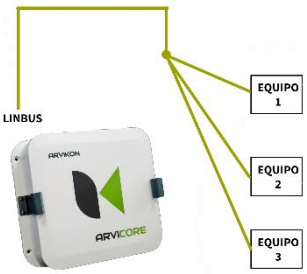


00.3 CONNECTION DIAGRAM

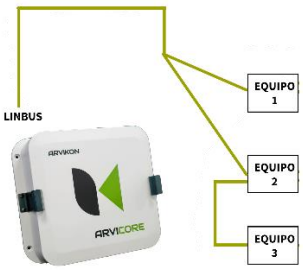
If more than 1 slave is to be connected, you must make a series or tree connection or a combination of both. You must respect the connections described by the manufacturer of the equipment to be controlled. In each of the tabs, we describe the PINOUT of the corresponding equipment, you must respect the wiring and connect them properly.

LINBUS IN SERIES

LINBUS IN TREE



LINBUS IN COMBINATION



001. ACID GEL BATTERY OR AGM

001.1 COMPATIBILITY

All batteries of these technologies are compatible with ARVIKON, the correct setting must be selected in the **"professional settings"** menu.

001.2 CONNECTION

It is only necessary to connect the battery directly to the equipment as shown in the corresponding manual.

001.3 BATTERY WITH SOC (BETA)

When a battery model with SOC is selected. The ARVIKON SOC algorithm will provide the battery % data as well as the battery time remaining (remaining battery time in hours based on the current consumption and the current battery capacity).

It is very important that ALL consumptions are controlled by the ARVICORE or XPAND ARVISHUNT to maintain a correct SOC. All consumptions not contemplated will cause the SOC to be incorrect.

The algorithm has automatic self-calibration.

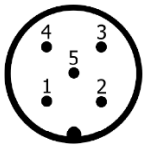
In the professional settings menu there is a fixed consumption calibration not included as well as a % consumption calibration.

This algorithm is in the **BETA phase** and will be improved over time.

002. EPTECHNOLOGIES LITHIUM BATTERY

MARK: EPT **MODEL:** Lithium Pack 12V
CONNECTION: CANBUS

002.1 CONNECTION:



PIN	Signal	Description
1	Shield	Shielding
2	VCC	+12V (internally not connected)
3	GND	GND / 0V
4	CAN High	CAN High bus line
5	CAN Low	CAN Low bus line

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If you have any doubts on how to make a correct CANBUS connection, please refer to the tab Nº 0 of this manual where we explain all the specifications of this protocol.

002.2 CONFIGURATION:

Go to **"Professional Settings"** and in the **"BATTERY" menu,** select **EPT Lithium 12 CANBUS.** The system will automatically start displaying the S.O.C. of the battery set as one battery.

003. WEBASTO AIRTOP 2 AND 4 KW

MARK: WEBASTO **MODEL:** AIRTOP 2/4KW SERIES

CONNECTION: ANALOGUE

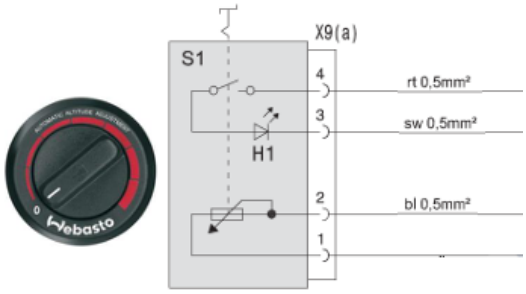
003.1 CONNECTION:

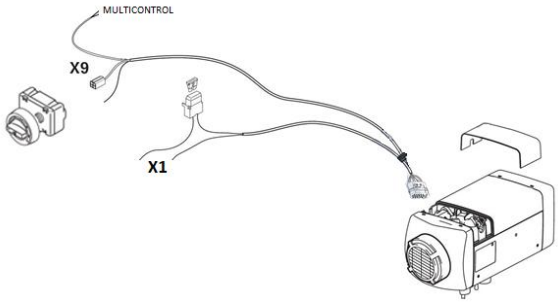
The analog connector wires located in the original wiring harness (X9) and the two power wires (X1) will be used and connected to Arvicore's BLOCK 28.

BLOCK 28	1	SIGN	TEMPERATURE ADJUSTMENT	WHITE
	2	SIGN	TEMPERATURE ADJUSTMENT	BLUE
	3	SIGN	--	--
	4	SIGN	START SIGNAL	BLACK
	5	-	GND	BROWN
	6	+	+12VDC	RED

In case of increasing the cable distance, the cross-section must be properly calculated.

003.1.1 CONNECTION DIAGRAM:





003.2 CONFIGURATION:

Go to **"Professional Settings"** and under **heating**, select **WEBASTO AIRTOP 2/4KW.**

This type of connection does not allow error reading or diagnostics.

004. WEBASTO THERMOTOP EVO 4GEN AND LATER

MARK: WEBASTO **MODEL:** THERMOTOP EVO 4GEN

CONNECTION: ANALOGUE

004.1 CONNECTION:

The power cables and the analog signal cable of the thermotop will be used.

BLOCK 27	1	+	12VDC	RED
	2	-	GND	BLACK
	3	SIGN	UNUSED	--
	4	SIGN	RUN SIGNAL (PIN3 BLOCK X1)	GRAY
	5	SIGN	UNUSED	--
	6	SIGN	UNUSED	--
	7	SIGN	UNUSED	--
	8	SIGN	UNUSED	--

In case of increasing the cable distance, the cross-section must be properly calculated.

004.1 CONNECTION DIAGRAM:

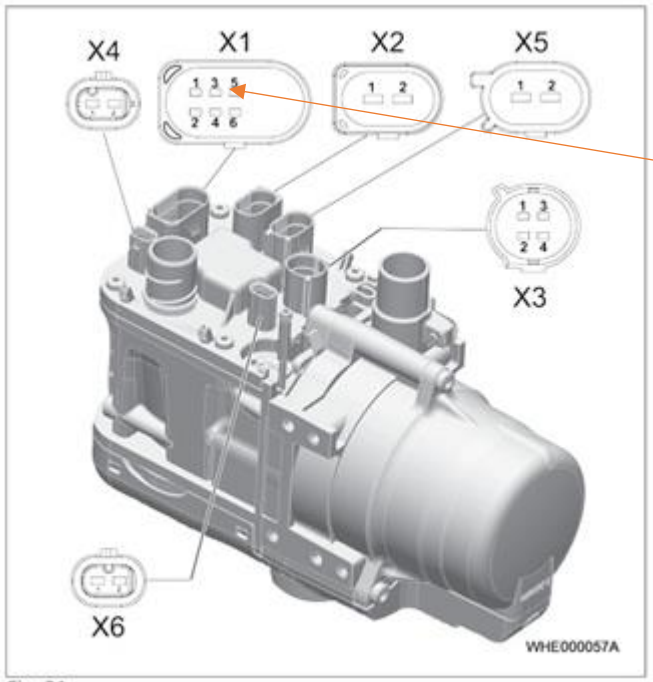


Fig. 21

PIN 3, BLOCK X1
GRAY CABLE

004.2 CONFIGURATION:

Go to **"Professional Settings"** and under **BOILER**, select **WEBASTO THERMO TOP.**

This type of connection does not allow error reading or diagnostics.

005. WEBASTO THERMOTOP AIR

MARK: WEBASTO **MODEL:** AIR
CONNECTION: ANALOGUE

005.1 EXPLANATION:

When a fan system is used to extract heat from a heat exchanger which in turn is heated by a thermo top.

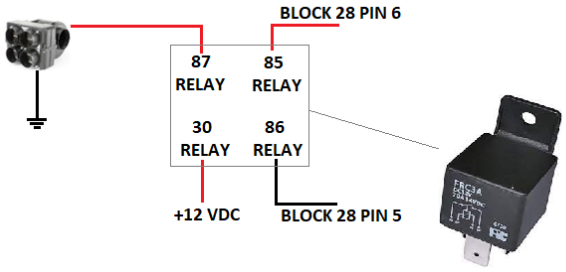
In this way, when the heating is activated and a temperature is selected, the system will activate the output of pin 5 and 6 of block 28 to energize a relay to start the fans.
The temperature reading will be taken by the vehicle's interior probe and it will decide when to turn the heating fan on or off.

The system will automatically start the boiler if the user turns on the heat, as well as, it will warn the user when he/she tries to turn off the boiler with the heat on.

005.2 CONNECTION:

BLOCK 28	1	NO USE		
	2	NO USE		
	3	NO USE		
	4	NO USE		
	5	-	GND FAN	BLACK
	6	+	+12VDC FAN	RED

005.3 CONNECTION DIAGRAM:



005.4 CONFIGURATION:

Go to **"Professional Settings"** and select:

Boiler model: WEBASTO THERMO TOP
Heating model: WEBASTO THERMO TOP AIR

006. WEBASTO THERMOTOP AIR ADAPTATIVE

MARK: WEBASTO **MODEL:** AIR ADAPTATIVE
CONNECTION: ANALOGUE

006.1 EXPLANATION:

When a fan system is used to extract heat from a heat exchanger which in turn is heated by a thermo top.

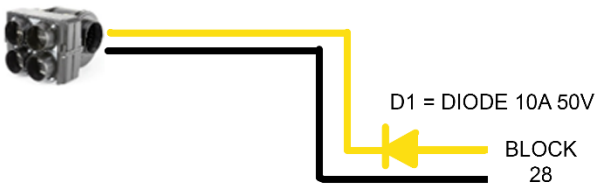
In this way, when the heating is activated and a temperature is selected, the system will activate the output of pin 5 and 6 of block 28 with a PWM regulation to modulate the fan speed.
The temperature reading will be taken by the probe inside the vehicle, the closer to the target the slower the air will move.

The system will automatically start the boiler if the user turns on the heat, as well as, it will warn the user when he/she tries to turn off the boiler with the heat on.

006.2 CONNECTION:

BLOCK 28	1	NO USE		
	2	NO USE		
	3	NO USE		
	4	NO USE		
	5	-	GND FAN	BLACK
	6	+	+12VDC FAN	YELLOW (LOW POWER)

006.3 CONNECTION DIAGRAM:



ATTENTION:
A 10A 50V DIODE NOT INCLUDED MUST BE MOUNTED. FAILURE TO MOUNT THE PROPER DIODE OR USE THE MEDIUM AND HIGH FAN POWERS WILL DAMAGE THE ARVICORE BOARD AND VOID THE WARRANTY.

006.4 CONFIGURATION:

Go to **"Professional Settings"** and select:

Boiler model: WEBASTO THERMO TOP
Heating model: WEBASTO THERMO TOP AIR ADAPTATIVE

007. WEBASTO THERMOPRO 90

MARK: WEBASTO **MODEL:** THERMOPRO 90
CONNECTION: ANALOGUE

007.1 CONNECTION:

Pin 3 of block X8 and the original power wires will be used.

BLOCK 27	1	+	+12 VDC	RED
	2	-	GND	BLACK
	3	SIGN	NO USE	--
	4	SIGN	NO USE	--
	5	SIGN	NO USE	--
	6	SIGN	NO USE	--
	7	SIGN	RUNNING SIGNAL PIN 3 CONNECTOR X8	BLACK
	8	SIGN	NO USE	--

In case of increasing the cable distance, the cross-section must be properly calculated.

007.2 CONNECTION DIAGRAM:

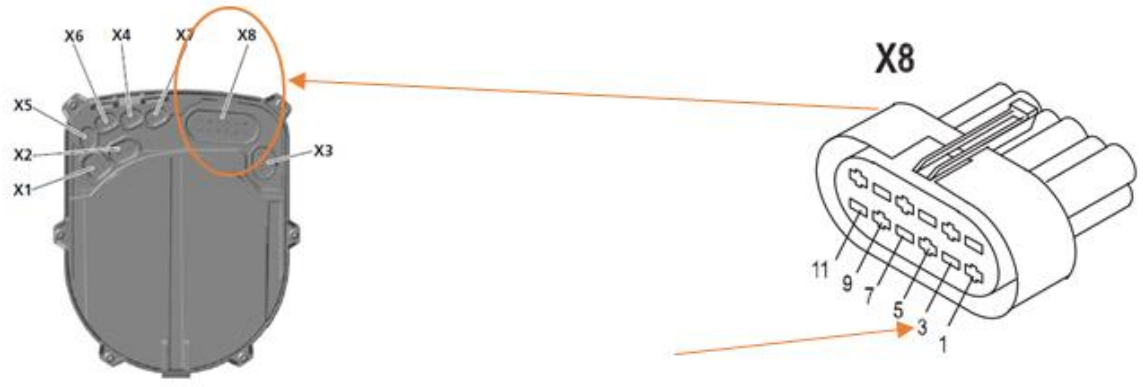


Fig. 701 Connector assignment on control unit

007.3 CONFIGURATION:

Go to **"Professional Settings"** and under **BOILER**, select **WEBASTO THERMOPRO 90**

This type of connection does not allow error reading or diagnostics, to have these two options you must use the Webasto CRONUS module and connect the heater via LIN.

008. WEBASTO DIESEL COOKER X100

MARK: WEBASTO **MODEL:** X100
CONNECTION: ANALOGUE

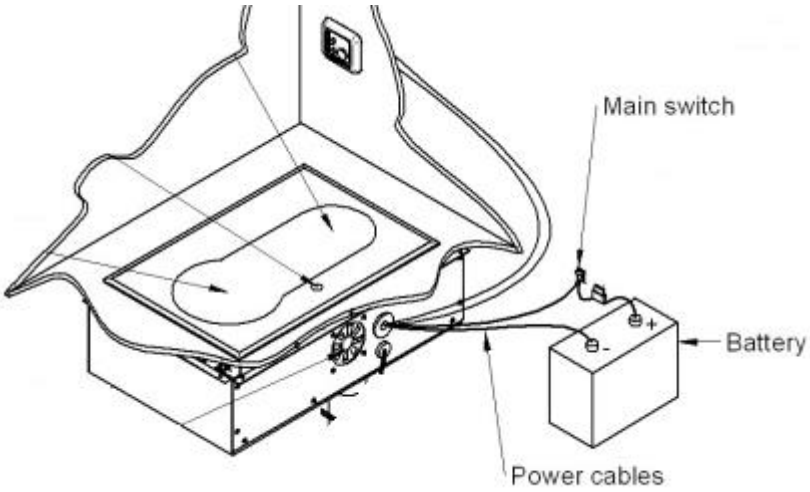
008.1 CONNECTION:

In this case, we will use the equipment power supply (Power cables) with block 20.

BLOCK 20	1	+	POSITIVE FEEDING	RED
	2	-	NEGATIVE FOOD	BLACK
	3	+	NO USE	NO USE

In case of increasing the cable distance, the cross-section must be properly calculated.

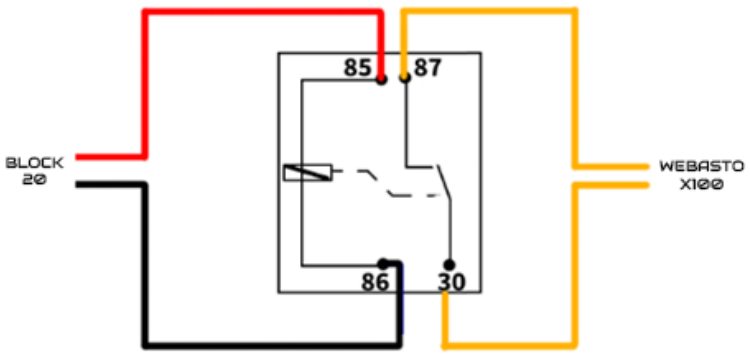
008.1.1 CONNECTION DIAGRAM:



008.2 CONFIGURATION:

Go to **"Professional Settings"** and under **BLOCK 20**, select **FUEL CUT-OFF.**

Depending on the type of battery and wiring, this equipment may cause voltage drops or fuse tripping. If this is the case, a relay must be installed and the power supply must be operated externally, using PIN 1 and 2 for relay activation.



009. WHALE BOILER GAS ANALOG (MODEL UNTIL 2022)

MARK: WHALE **MODEL:** GAS & EXPANSE
CONNECTION: ANALOGUE

009.1 EXPLANATION:

Only valid for boiler with analog control until 2022. From 2022 onwards see page 8. Boiler Whale LINBUS

009.2 CONNECTION:

We will use the original controller wiring and the original power wiring.

BLOCK 27	1	+	+12 VDC	RED
	2	-	GND	BLACK
	3	SIGN	NO USE	--
	4	SIGN	NO USE	--
	5	SIGN	NO USE	--
	6	SIGN	NO USE	--
	7	SIGN	BLUE CABLE FROM THE ORIGINAL CONTROLLER	BLUE
	8	SIGN	NO USE	--

009.3 COMPATIBILITY:

On the controls marked with a green CHECK, only the GAS function can be activated.

009.4 CONFIGURATION:

Go to **"Professional Settings"** and under **BOILER**, select: **WHALE GAS ANALOG**

010. WHALE BOILER GAS LINBUS (MODEL FROM 2022)

MARK: WHALE **MODEL:** GAS & EXPANSE
CONNECTION: LINBUS

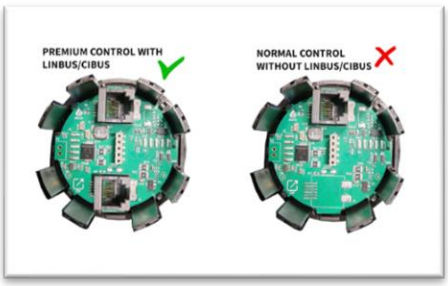
010.1 EXPLANATION:

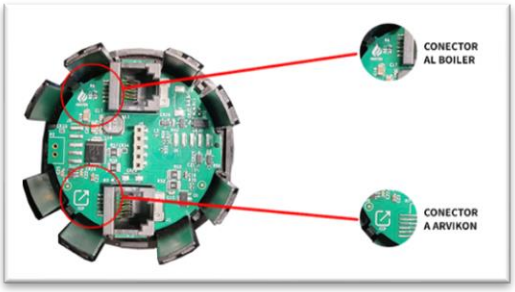
Only valid for digitally controlled boilers from 2022. For equipment prior to 2022 with analog control, see data sheet Nº7 Boiler Whale Analog.

010.2 CONNECTION:

To make this connection, it is necessary to order from the supplier the Whale equipment with LINBUS/CIBUS (Premium) control, the normal control does not have support for this protocol.

The part numbers are:
UI0221LB Ui Wh Prem Gas Lin (AK1962) (For GAS Boilers)
UI0222LB Ui Wh Prem Gas Elec Lin (AK1963) (For GAS + Electric boilers)





If you have any doubts on how to make a correct LINBUS connection, please refer to the file Nº 00 of this manual where we explain all the specifications of this protocol.

010.3 COMPATIBILITY:

The keyfob must be kept, but it can be in a hidden place. When the user acts on the remote control, the display shows **"Equipment controlled by the remote control"** and any keystroke resumes control from the control unit.

010.4 CONFIGURATION:

Go to **"Professional Settings"** and under **BOILER**, select: **WHALE GAS LIN or WHALE GAS ELEC LIN depending on** the equipment installed.

010.5 HANDLING:

When the boiler is being commanded correctly through LIN/CIBUS, you will see this symbol on the controller itself. If you manipulate the knob, the CIBUS icon will turn

blue, you must press it to turn it orange if you want to put the unit in remote operation mode.

011. WHALE HEAT AIR 3 GT (FROM 2022)

MARK: WHALE **MODEL:** HEAT AIR 3 GT
CONNECTION: LINBUS

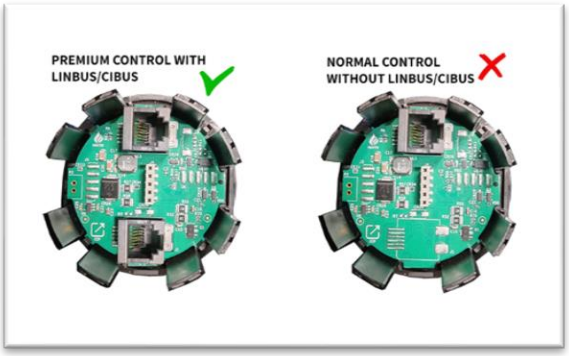
011.1 EXPLANATION:

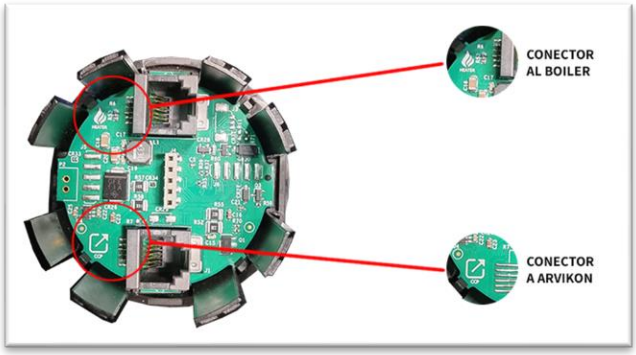
Only valid for digitally controlled heaters from 2022.

011.2 CONNECTION:

To make this connection, it is necessary to order from the supplier the Whale equipment with LINBUS/CIBUS (Premium) control, the normal control does not have support for this protocol.

The references are:
UI0211LB Ui Wh Prem Gas Lin (For GAS Heaters)
UI0212LB Ui Wh Prem Gas Elec Lin (For GAS + Electric heaters)





If you have any doubts on how to make a correct LINBUS connection, please refer to the LINBUS protocol specifications in the LINBUS manual.

011.3 COMPATIBILITY:

The keyfob must be kept, but it can be in a hidden place. When the user acts on the remote control, the display shows **"Equipment controlled by the remote control"** and any keystroke resumes control from the control unit.

011.4 CONFIGURATION:

Go to **"Professional Settings"** and under **HEATING**, select: **WHALE HEAT AIR 3 GT GAS LIN or WHALE HEAT AIR 3 GT GAS ELEC LIN depending on** the equipment installed.

011.5 HANDLING:

When the boiler is being commanded correctly through LIN/CIBUS, you will see this symbol on the controller itself. If you manipulate the knob, the CIBUS icon will turn blue, you must press it to turn it orange if you want to put the unit in remote operation mode.

012. WHALE WATER PUMP

MARK: WHALE **MODEL:** ALL
CONNECTION: ANALOGUE

012.1 EXPLANATION:

Valid for all whale pumps on the market, submersible, in-line or pressure pumps.

012.2 CONNECTION:

Connect the pump directly to Block 22 respecting the polarity engraved on the plate.

BLOCK 22	1	-	NEGATIVE FOOD	BLACK
	2	+	POSITIVE FEEDING	RED

013. TRUMA COMBI (ALL) (FROM 2022)

MARK: TRUMA **MODEL:** COMBI (ALL)
CONNECTION: LINBUS

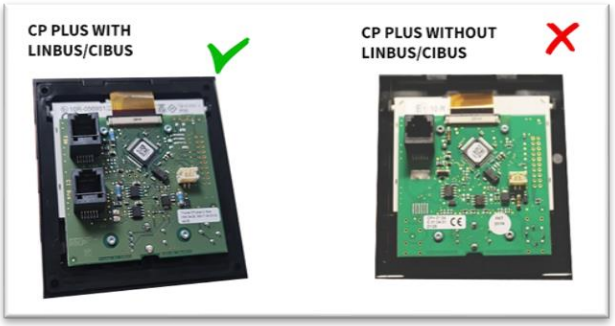
013.1 EXPLANATION:

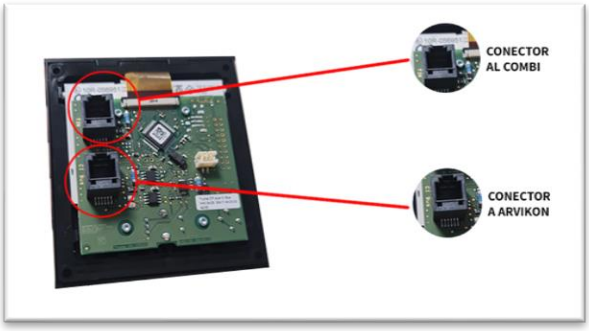
This control is valid for all Truma Combi with CP PLUS + CIBUS control (NOT INET X).

013.2 CONNECTION:

To make this connection, it is necessary to order from the supplier the Truma equipment with CP PLUS CIBUS controller, the standard controller is not suitable for using this protocol. It can be purchased as a spare part under the following reference number:

34020 - 00375 Truma CP plus CI bus Spare part





If you have any doubts on how to make a correct LINBUS connection, please refer to the LINBUS protocol specifications in the LINBUS manual.

013.3 COMPATIBILITY:

The knob must be held, but can be in a hidden location. When the user acts on the knob, the same selection made on the knob is played on the display. The system can be operated from both sides.

Some functions of the CP PLUS control are not open to protocol by Truma, e.g. BOOST mode and error reading, among others.

Not compatible with INET X or similar systems, if you want to install ARVIKON you have to uninstall INET X or the corresponding equipment.

013.4 CONFIGURATION:

Go to **"Professional Settings"** and under **COMBI**, select: **TRUMA COMBI 2,4,6,D4,D6 LIN for equipment without electricity and TRUMA COMBI 4E,6E,D4E or D6E for equipment with resistance.**

014. TRUMA BOILER

MARK: TRUMA **MODEL:** BOILER
CONNECTION: ANALOGIC

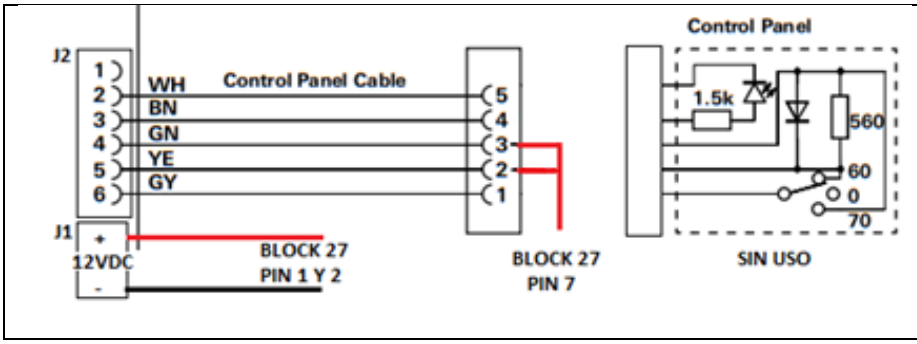
014.1 EXPLANATION:

This control is valid for all Truma Boilers.

014.2 CONNECTION:

We will use the original controller wiring and the original power wiring.

BLOCK 27	1	+	+12 VDC	RED
	2	-	GND	BLACK
	3	SIGN	NO USE	--
	4	SIGN	NO USE	--
	5	SIGN	NO USE	--
	6	SIGN	NO USE	--
	7	SIGN	RUN SIGNAL	YE & GN (2 & 3)
	8	SIGN	NO USE	--



BK	BLACK
BN	BROWN
BU	BLUE
GN	GREEN
GY	GREEN /YELLOW
OG	ORANGE
RD	RED
WH	WHITE
YE	YELLOW

014.3 COMPATIBILITY:

It is possible to keep the remote control, but the button must remain in OFF mode, if the remote control is pressed at the same time as a command is given in the control unit it may cause damage to the equipment. But the original control could be used in case of emergency.

Only valid for TRUMA 04 33 controls and only for the function "GAS heating and 70ºC".

014.4 CONFIGURATION:

Go to **"Professional Settings"** and under **BOILER**, select: **TRUMA BOILER ANALOG.**

015. TRUMA ULTRA RAPID

MARK: TRUMA **MODEL:** ULTRA RAPID
CONNECTION: ANALOGIC

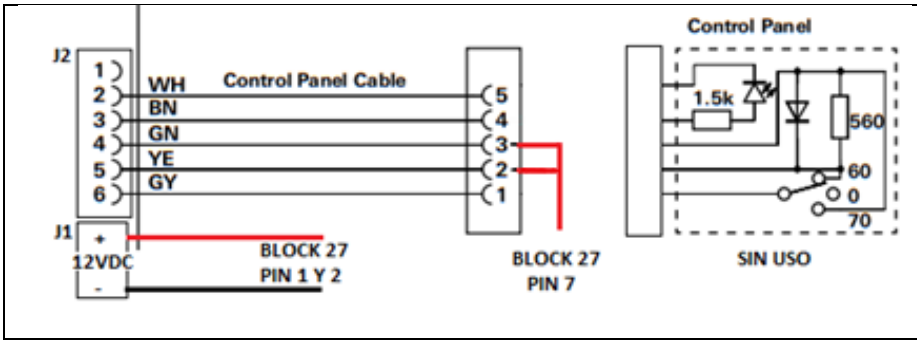
015.1 EXPLANATION:

This control is valid for all Truma Ultra Rapid

015.2 CONNECTION:

We will use the original controller wiring and the original power wiring.

BLOCK 27	1	+	+12 VDC	RED
	2	-	GND	BLACK
	3	SIGN	NO USE	--
	4	SIGN	NO USE	--
	5	SIGN	NO USE	--
	6	SIGN	NO USE	--
	7	SIGN	RUN SIGNAL	YE & GN (2 & 3)
	8	SIGN	NO USE	--



BK	BLACK
BN	BROWN
BU	BLUE
GN	GREEN
GY	GREEN /YELLOW
OG	ORANGE
RD	RED
WH	WHITE
YE	YELLOW

015.3 COMPATIBILITY:

It is possible to keep the remote control, but the button must remain in OFF mode, if the remote control is pressed at the same time as a command is given in the control unit it may cause damage to the equipment. But the original control could be used in case of emergency.

Only valid for TRUMA 04 33 controls and only for the function "GAS heating and 70ºC".

015.4 CONFIGURATION:

Go to **"Professional Settings"** and under **BOILER**, select: **TRUMA ULTRA RAPID ANALOG.**

016. TRUMA AVENTA

MARK: TRUMA **MODEL:** AVENTA
CONNECTION: CIBUS

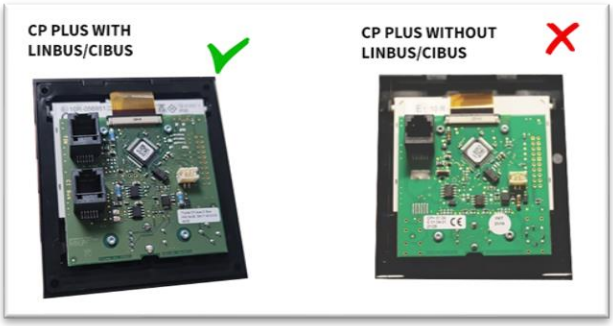
016.1 EXPLANATION:

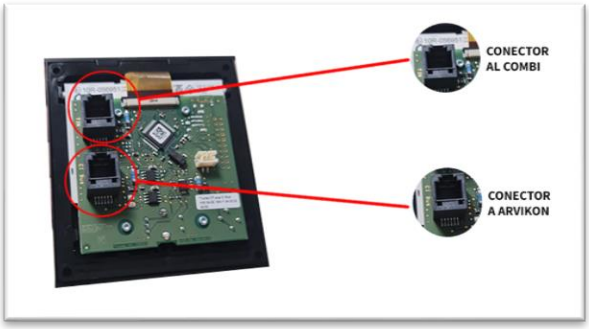
This control is valid for all Truma Combi with CP PLUS + CIBUS control (NOT INET X).

016.1 CONNECTION:

To make this connection, it is necessary to order from the supplier the Truma equipment with CP PLUS CIBUS controller, the standard controller is not suitable for using this protocol. It can be purchased as a spare part under the following reference number:

34020 - 00375 Truma CP plus CI bus Spare part





If you have any doubts on how to make a correct LINBUS connection, please refer to the LINBUS protocol specifications in the LINBUS manual.

If the equipment is used in DC through an inverter, in order to have a current reading, it must be passed through the SHUNT board, and if an inverter is used for the AA or a DC Kit is used, the XPAND ADDON expansion must be installed.

016.2 COMPATIBILITY:

The knob must be held, but can be in a hidden location. When the user acts on the knob, the same selection made on the knob is played on the display. The system can be operated from both sides.

Some functions of the CP PLUS controller are not open to protocol by Truma, e.g. BOOST mode and error reading, among others.

Not compatible with INET X or similar systems, if you want to install ARVIKON you have to uninstall INET X or the corresponding equipment.

016.3 CONFIGURATION:

Go to **"Professional Settings"** and under **Air Conditioning,** select: **TRUMA AVENTA (X) LIN**

017. TRUMA SAPHIR

MARK: TRUMA **MODEL:** SAPHIR
CONNECTION: CIBUS

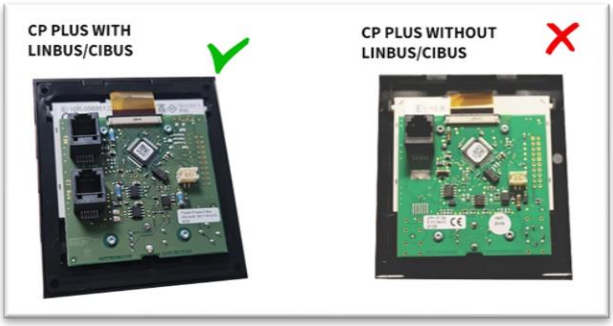
017.1 EXPLANATION:

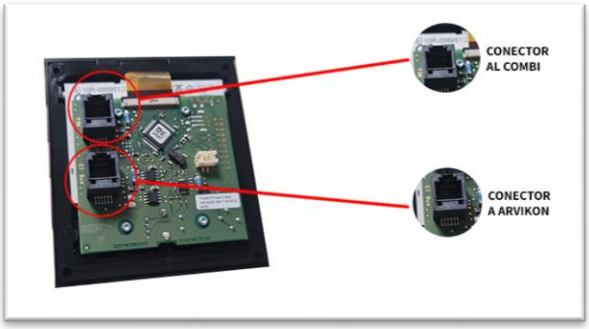
This control is valid for all Truma Combi with CP PLUS + CIBUS control (NOT INET X).

017.2 CONNECTION:

To make this connection, it is necessary to order from the supplier the Truma equipment with CP PLUS CIBUS controller, the standard controller is not suitable for using this protocol. It can be purchased as a spare part under the following reference number:

34020 - 00375 Truma CP plus CI bus Spare part





If you have any doubts on how to make a correct LINBUS connection, please refer to the LINBUS protocol specifications in the LINBUS manual.

If the equipment is used in DC through an inverter, in order to have a current reading, it must be passed through the SHUNT board, and if an inverter is used for the AA or a DC Kit is used, the XPAND ADDON expansion must be installed.

017.3 COMPATIBILITY:

The knob must be held, but can be in a hidden location. When the user acts on the knob, the same selection made on the knob is played on the display. The system can be operated from both sides.

Some functions of the CP PLUS controller are not open to protocol by Truma, e.g. BOOST mode and error reading, among others.

Not compatible with INET X or similar systems, if you want to install ARVIKON you have to uninstall INET X or the corresponding equipment.

017.4 CONFIGURATION:

Go to **"Professional Settings"** and under **Air Conditioning**, select: **TRUMA SPAHIR (X) LIN**

018. TRUMA MOVER SMART (ALL)

MARK: TRUMA **MODEL:** ALL
CONNECTION: ANALOGUE

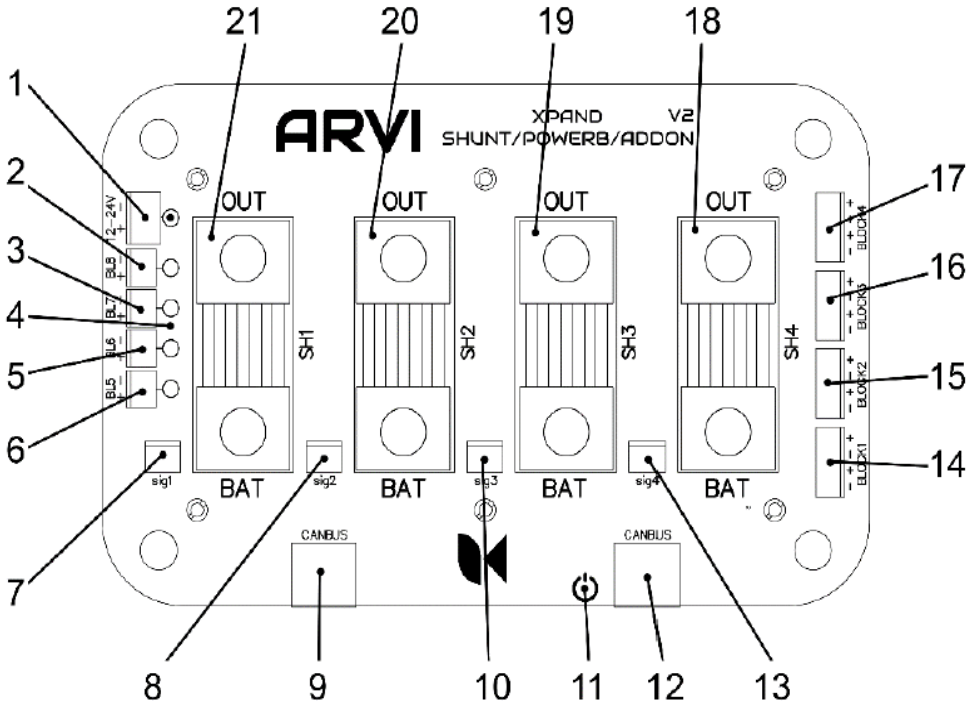
018.1 EXPLANATION:

This control is valid for all Truma MOVER Smart A, M, XT, XT2 and XT4 as long as they are powered from the same service battery as the rest of the house. This allows us to see the consumption of the Mover on the Arvikon display and also count the consumption of the Mover for the SOC.

If a separate battery is to be used, this should not be connected to the Arvikon environment.

018.2 CONNECTION:

The power supply of the MOVER module must be connected to the output (OUT) of one of the shunts (18, 19, 20 or 21), and the cable to the battery on the other side of the shunt (BAT). For this you need the XPAND ADDON expansion.



019. DOMETIC FRESHJET

MARK: DOMETIC **MODEL:** FRESHJET (ALL)
CONNECTION: LINBUS

019.1 MAKING DOCUMENTATION

020. DOMETIC FRESHWELL

MARK: DOMETIC **MODEL:** FRESHWELL (ALL)
CONNECTION: LINBUS

020.1 MAKING DOCUMENTATION

021. DOMETIC WATER PUMP

MARK: DOMETIC **MODEL:** ALL
CONNECTION: ANALOGUE

021.1 EXPLANATION:

Valid for all DOMETIC pumps on the market, submersible, in-line or pressure pumps.

021.2 CONNECTION:

Connect the pump directly to Block 22 respecting the polarity engraved on the plate.

BLOCK 22	1	-	NEGATIVE FOOD	BLACK
	2	+	POSITIVE FEEDING	RED

022. DOMETIC GENERADOR TEC40

MARK: DOMETIC **MODEL:** TEC40
CONNECTION: ANALOGUE

022.1 EXPLANATION:

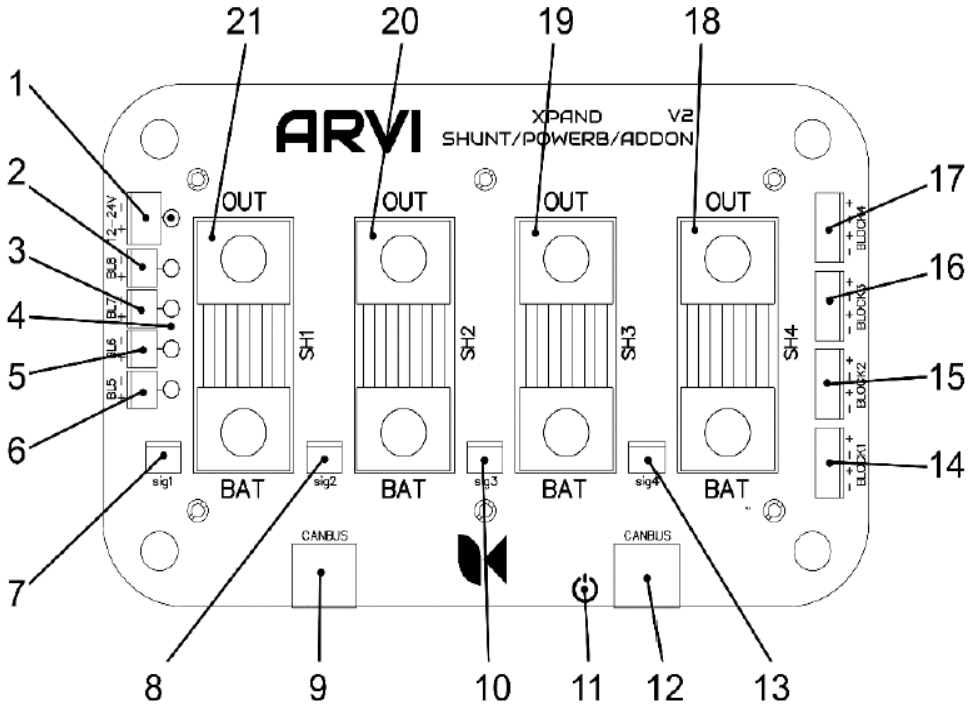
This control is valid for all Dometic TEC Generators. Starting and reporting of the generator must always be done from the original control as Dometic has no external control support for this unit.

From the control unit you can monitor the current load coming from the generator with the ADDON expansion.

If the generator load cannot be read by the Arvikon equipment, the SOC calculation will be out of phase with reality.

022.2 CONNECTION:

The load output of the Generator must be connected to the OUT side of one of the shunts (18, 19, 20 or 21), and the cable to the battery must be connected to the other side of the shunt (BAT). For this you need the XPAND ADDON expansion.



023. DOMETIC GENERATOR T 2500H

MARK: DOMETIC **MODEL:** T 2500H
CONNECTION: ANALOGUE

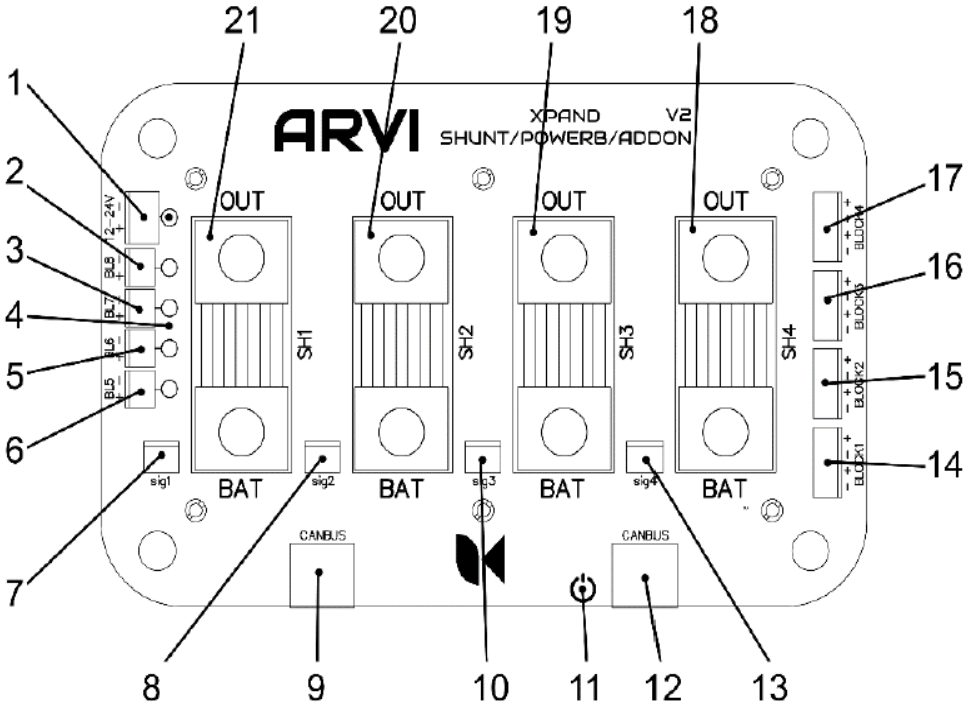
023.1 EXPLANATION:

This control is valid for all Dometic T-Generators. Starting and reporting of the generator must always be done from the original control as Dometic has no external control support for this unit.

From the control unit you can monitor the current load coming from the generator with the ADDON expansion.

023.2 CONNECTION:

The load output of the Generator must be connected to the OUT side of one of the shunts (18, 19, 20 or 21), and the cable to the battery must be connected to the other side of the shunt (BAT). For this you need the XPAND ADDON expansion.



024. DOMETIC 10 SERIES REFRIGERATOR COMPRESSOR

MARK: DOMETIC **MODEL:** 10 SERIES COMPRESSOR

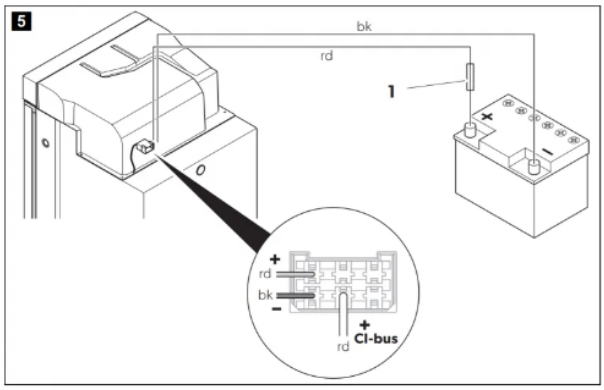
CONNECTION: LINBUS

024.1 EXPLANATION:

Valid for all Series 10 compressor refrigerators from 2020. For earlier refrigerators it must be connected as a generic refrigerator (see Arvikon Leisure installation manual).

024.2 CONNECTION:

To make this connection, the 0.5mm2 red wire from the main connector of the refrigerator must be connected to the LINBUS/CIBUS network. The 12V power supply must be installed in BLOCK 26.



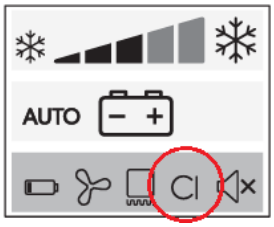
024.3 COMPATIBILITY:

The refrigerator control panel can be uninstalled, kept and/or located elsewhere. If it is kept, when the control panel is actuated, the information also changes on the Arvikon display and vice versa. It can be operated and displayed from both sides.

024.4 CONFIGURATION:

Go to **"Professional Settings"** and under **FRIDGE**, select: **DOMETIC SERIE 10 COMPR. LIN**

024.5 HANDLING:



When the refrigerator is being commanded correctly via LIN/CIBUS, you will see this symbol on the control itself.

CI

025. DOMETIC REFRIGERATORS (ALL)

MARK: DOMETIC **MODEL:** ALL
CONNECTION: ANALOGUE

025.1 EXPLANATION:

Valid for all refrigerators of any series of the brand. If the refrigerator is of the series 10 compressor, it has the 024 card to connect this refrigerator by LINBUS. The rest of the refrigerators must be installed according to this card.

025.2 CONNECTION:

Connect the pump directly to Block 26 respecting the polarity engraved on the plate.

BLOCK 26	1	-	NEGATIVE FOOD	BLACK
	2	+	POSITIVE FEEDING	RED

025.1 CONFIGURATION:

Go to **"Professional Settings"** and under **FRIDGE**, select: **DOMETIC TODAS ANALOG**

026. DOMETIC KITCHENS (ALL)

MARK: DOMETIC **MODEL:** ALL
CONNECTION: ANALOGUE

026.1 EXPLANATION:

Valid for all kitchens of any series of the brand.

026.2 CONNECTION:

Connect piezoelectric cables to Block 20 PIN 1 and 2

BLOCK 20	1	+	POSITIVE FEEDING	RED
	2	-	NEGATIVE FOOD	BLACK
	3	+	NO USE	NO USE

027. DOMETIC OVENS (ALL)

MARK: DOMETIC **MODEL:** ALL
CONNECTION: ANALOGUE

027.1 EXPLANATION:

Valid for all ovens of any series of the brand.

027.2 CONNECTION:

Connect the piezoelectric cables to Block 20 PIN 1 and 2

BLOCK 20	1	+	POSITIVE FEEDING	RED
	2	-	NEGATIVE FOOD	BLACK
	3	+	NO USE	NO USE

028. DOMETIC EXTRACTOR HOODS

MARK: DOMETIC **MODEL:** ALL
CONNECTION: ANALOGUE

028.1 EXPLANATION:

Valid for all the bells of any series of the brand.

028.2 CONNECTION:

Connect the positive cable to the AUX terminal of the ARVICORE control unit to be able to monitor consumption and disconnect it remotely or in-situ by simply switching off the 12V output.

029. DOMETIC COMBI CH SERIES

MARK: DOMETIC **MODEL:** CH SERIES (ALL)
CONNECTION: LINBUS

029.1 WAITING FOR BRAND INFORMATION

030. DOMETIC WC

MARK: DOMETIC **MODEL:** ALL
CONNECTION: ANALOGUE

030.1 EXPLANATION:

Valid for all WC of any series of the brand.

030.2 CONNECTION:

Connect the positive cable to the AUX terminal of the ARVICORE control unit to be able to monitor consumption and disconnect it remotely or in-situ by simply switching off the 12V output.

031. DOMETIC DSP INVERTER (ANALOG)

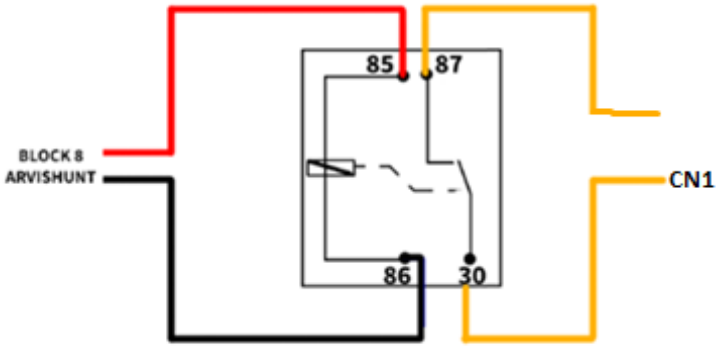
MARK: DOMETIC **MODEL:** DSP13XXT, DSP18XT, DSP23XXT AND DSP35XXT

CONNECTION: ANALOGUE

031.1 EXPLANATION:

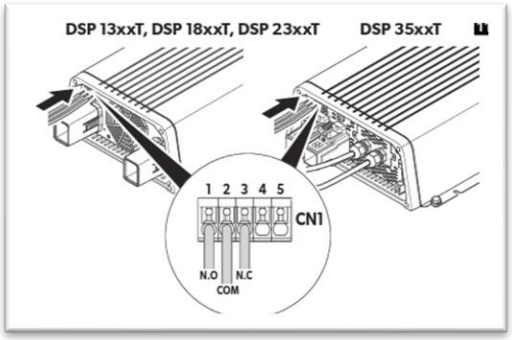
This equipment must be connected through the SHUNT expansion to monitor the discharge current according to the manual: XPAND ARVISHUNT and use the BLOCK 5 of the SHUNT expansion to manage the remote control of the equipment by means of a relay to open or close the remote loop.

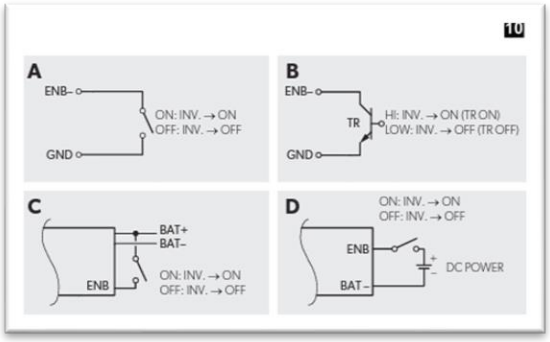
031.2 REMOTE CONTROL CONNECTION:



031.3 COMPATIBILITY:

All inverters of the DSP 13xxT, 18xxT, 23xxT and 35xxT series with "CN1" connector are compatible, please refer to the user manual of the device itself to see the correct way to place the control relay. Diagrams taken from Dometic below.





031.4 CONFIGURATION:

Go to **"Professional Settings"** and under **INVERTER**, select: **DOMETIC DSPxxT ANALOG**

032. DOMETIC INVERTER (ALL)

MARK: DOMETIC **MODEL:** ALL
CONNECTION: ANALOGUE

032.1 EXPLANATION:

This equipment must be connected through the SHUNT expansion to monitor the discharge current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and shut down the equipment from its power wiring, you must use BLOCK 5 of the SHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the inverter.

032.2 CONNECTION:

032.3 CONFIGURATION:

Access **"Professional Settings"** and under **INVERTER,** select: **DOMETIC DSP ALL ANALOG**

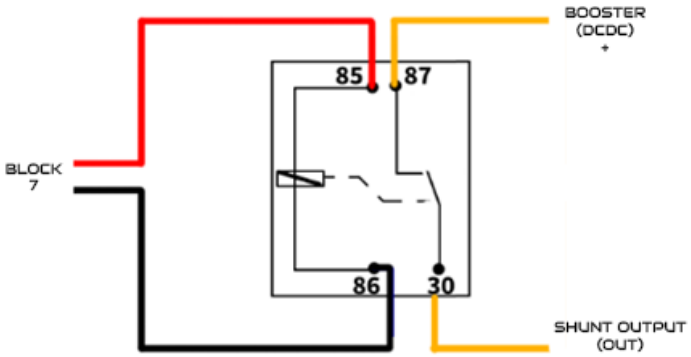
033. DOMETIC BOOSTER (DCDC) (ALL)

MARK: DOMETIC **MODEL:** ALL
CONNECTION: ANALOGUE

033.1 EXPLANATION:

This equipment must be connected through the SHUNT expansion to monitor the load current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and shut down the equipment from its power wiring, you must use BLOCK 7 of the SHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the booster.

033.2 CONNECTION:



033.3 CONFIGURATION:

Go to **"Professional Settings"** and under **BOOSTER**, select: **DOMETIC DCC DC-DC ANALOG**

THIS PRODUCT IS NO LONGER SUPPORTED BY ARVIKON SMART CARAVANING

034. DOMETIC CHARGER (ALL)

MARK: DOMETIC **MODEL:** ALL
CONNECTION: ANALOGUE

034.1 EXPLANATION:

This equipment must be connected through the SHUNT expansion to monitor the charging current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and turn off the equipment from its power wiring, you must use BLOCK 6 of the SHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the charger.

034.2 CONNECTION:

034.3 CONFIGURATION:

Go to **"Professional Settings"** and under **LOADER**, select: **DOMETIC MCA SERIES ANALOG**

035. VOTRONIC INVERTER (ALL)

MARK: VOTRONIC **MODEL:** 230 SINE
CONNECTION: ANALOGUE

035.1 EXPLANATION:

This equipment must be connected through the SHUNT expansion to monitor the discharge current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and shut down the equipment from its power wiring, you must use BLOCK 5 of the SHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the inverter.

035.2 CONNECTION:

035.3 CONFIGURATION:

Go to **"Professional Settings"** and under **INVERTER**, select: **VOTRONIC SERIES ANALOG**

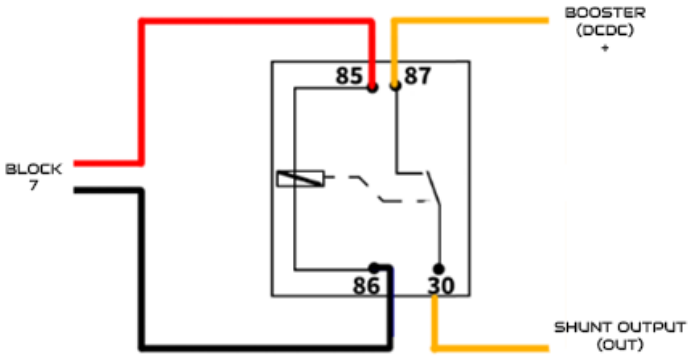
036. VOTRONIC BOOSTER (DCDC)

MARK: VOTRONIC **MODEL:** VCC SERIES
CONNECTION: ANALOGUE

036.1 EXPLANATION:

This equipment must be connected through the SHUNT expansion to monitor the load current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and shut down the equipment from its power wiring, you must use BLOCK 7 of the SHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the booster.

036.2 CONNECTION:



036.3 CONFIGURATION:

Go to **"Professional Settings"** and under **BOOSTER**, select: **VOTRONIC VCC SERIES**

037. VOTRONIC CHARGER (ALL)

MARK: VOTRONIC **MODEL:** PB SERIES
CONNECTION: ANALOGUE

037.1 EXPLANATION:

This equipment must be connected through the SHUNT expansion to monitor the charging current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and turn off the equipment from its power wiring, you must use BLOCK 6 of the SHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the charger.

037.2 CONNECTION:

037.3 CONFIGURATION:

Go to **"Professional Settings"** and under **LOADER**, select: **VOTRONIC PB SERIES ANALOG**

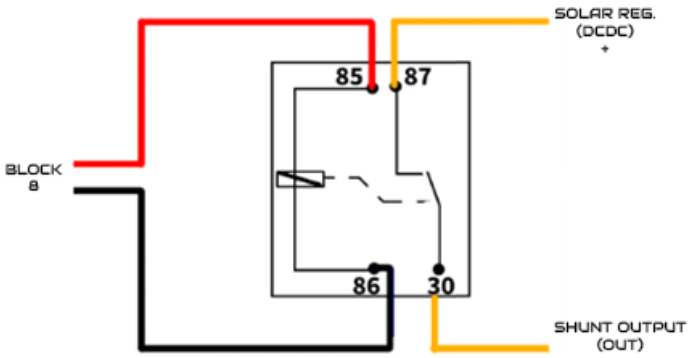
038. VOTRONIC REG. SOLAR (ALL)

MARK: VOTRONIC **MODEL:** ALL
CONNECTION: ANALOGUE

038.1 EXPLANATION:

If the charger does not exceed 30A, it can be connected directly to the ARVICORE board as shown in the installation manual, otherwise, this equipment must be connected through the SHUNT expansion to monitor the charging current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and turn off the equipment from its power wiring, you must use the BLOCK 8 of the SHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the solar controller.

038.2 CONNECTION:



038.3 CONFIGURATION:

Go to **"Professional Settings"** and under **REG. SOLAR**, select: **VOTRONIC SERIES ANALOG**

039. VICTRON PHOENIX CHARGER

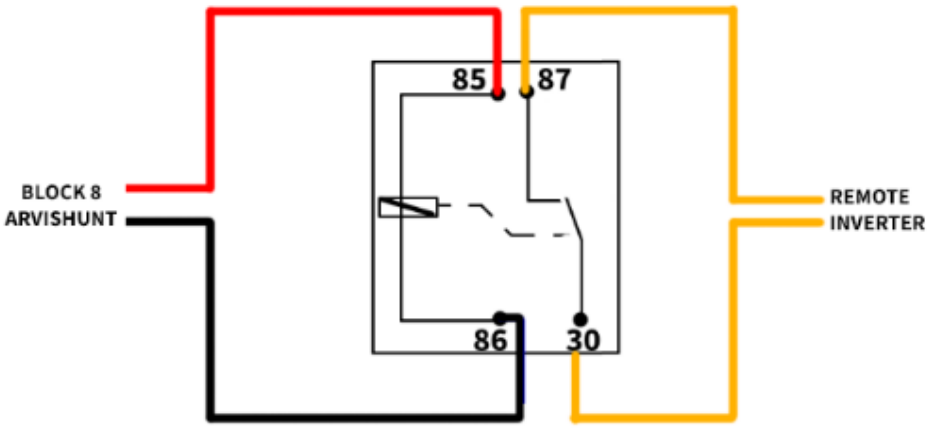
MARK: VICTRON **MODEL:** PHOENIX
CONNECTION: ANALOGUE

039.1 EXPLANATION:

This equipment must be connected through the SHUNT expansion to monitor the discharge current according to the manual: XPAND ARVISHUNT and use the BLOCK 6 of the ARVISHUNT expansion to manage the remote control of the equipment by means of a relay to open or close the remote loop.

039.2 REMOTE CONTROL CONNECTION:

If the current is less than 30A, it can be connected directly through the ARVICORE board, otherwise the XPAND ARVISHUNT expansion is required.



039.3 COMPATIBILITY:

All PHOENIX series chargers that have a "REMOTE" connector are compatible, you should consult the user's manual of the device itself to see the correct way to place the relay of maneuver. If they do not have a remote, the load can be cut off with a relay suitable for the power using the same block as a relay maneuver.

039.4 CONFIGURATION:

Go to **"Professional Settings"** and under **LOADER**, select: **VICTRON PHOENIX ANALOG**

040. VICTRON CHARGER BLUE

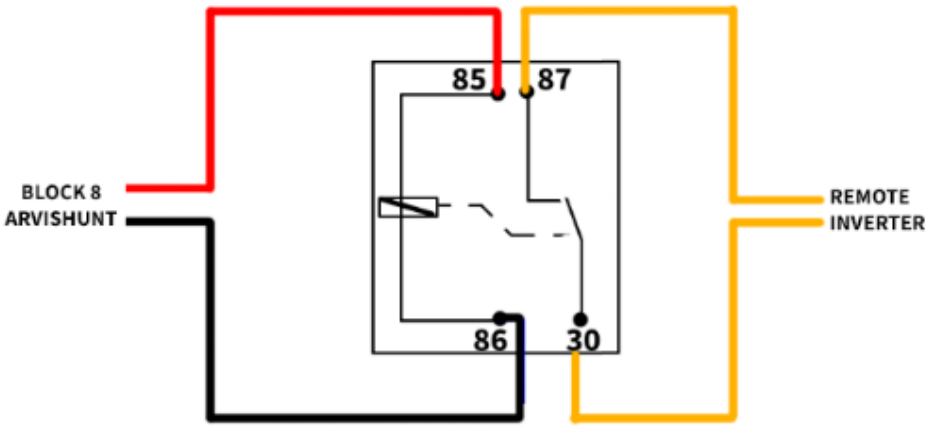
MARK: VICTRON **MODEL:** BLUE
CONNECTION: ANALOGUE

040.1 EXPLANATION:

This equipment must be connected through the SHUNT expansion to monitor the discharge current according to the manual: XPAND ARVISHUNT and use the BLOCK 6 of the ARVISHUNT expansion to manage the remote control of the equipment by means of a relay to open or close the remote loop.

040.2 REMOTE CONTROL CONNECTION:

If the current is less than 30A, it can be connected directly through the ARVICORE board, otherwise the XPAND ARVISHUNT expansion is required.



040.3 COMPATIBILITY:

All BLUE series chargers with a "REMOTE" connector are compatible, please consult the user's manual of the device itself to see the correct way to place the relay. If they do not have a remote, the load can be cut off with a relay suitable for the power using the same block as a relay maneuver.

040.4 CONFIGURATION:

Go to **"Professional Settings"** and under **LOADER**, select: **VICTRON BLUE SERIES ANALOG**

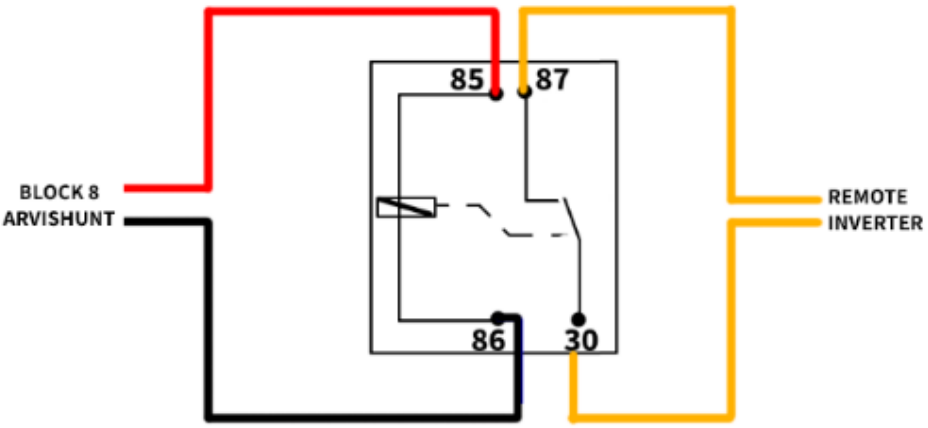
041. VICTRON PHOENIX INVERTER (ANALOG)

MARK: VICTRON **MODEL:** PHOENIX
CONNECTION: ANALOGUE

041.1 EXPLANATION:

This equipment must be connected through the ARVISHUNT expansion to monitor the discharge current according to the manual: XPAND ARVISHUNT and use the BLOCK 8 of the ARVISHUNT expansion to manage the remote control of the equipment by means of a relay to open or close the remote loop.

041.2 REMOTE CONTROL CONNECTION:



041.3 COMPATIBILITY:

All PHOENIX series inverters with a "REMOTE" connector are compatible, please consult the user's manual of the device itself for the correct way to place the control relay.

041.4 CONFIGURATION:

Go to **"Professional Settings"** and under **INVERTER**, select: **VICTRON PHOENIX ANALOG**

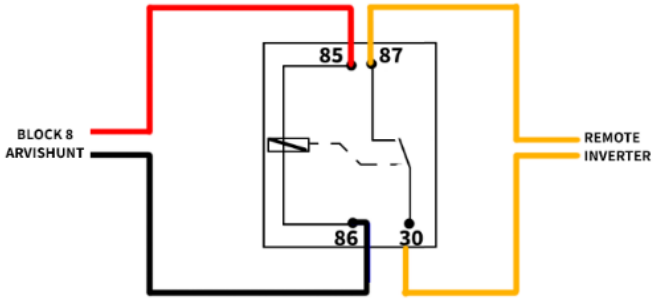
042. VICTRON INV/CAR MULTIPLUS (ANALOG)

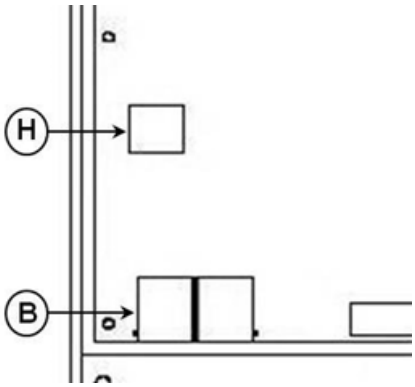
MARK: VICTRON **MODEL:** MULTIPLUS
CONNECTION: ANALOGUE

042.1 EXPLANATION:

This equipment must be connected through the ARVISHUNT expansion to monitor the discharge current according to the manual: XPAND ARVISHUNT and use the BLOCK 8 of the ARVISHUNT expansion to manage the remote control of the equipment by means of a relay to open or close the remote loop.

042.2 REMOTE CONTROL CONNECTION:





G	Double M8 battery positive connection.
H	Connector for remote switch: Short left and middle terminal to switch “on”. Short right and middle terminal to switch to “charger only”.
I	Alarm contact: (left to right) NC, NO, COM

042.3 COMPATIBILITY:

All inverters of the MULTIPLUS series with "REMOTE" connector are compatible, please consult the user's manual of the device itself to see the correct way to place the control relay. We recommend mounting it in the "H" connector (right side) to shut down only the inverter and keep the battery charger active at all times. If you want to turn off the equipment completely, use the left side of the "H" connector.

042.4 CONFIGURATION:

Go to **"Professional Settings"** and under **INVERTER AND IN CHARGER**, select: **VICTRON MULTIPLUS ANALOG**

043. VICTRON REG. SOLAR BLUE

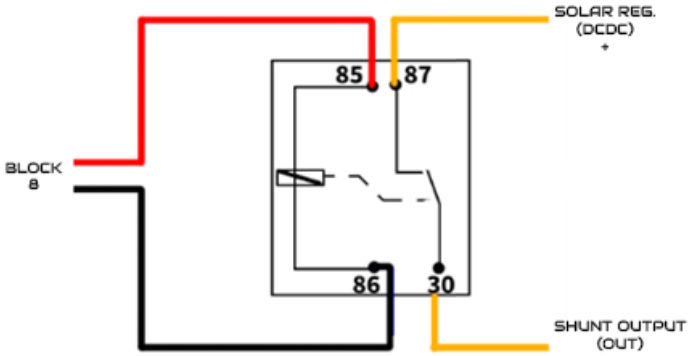
MARK: VICTRON **MODEL:** BLUE
CONNECTION: ANALOGUE

043.1 EXPLANATION:

This equipment must be connected through the ARVISHUNT expansion to monitor the load current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and shut down the equipment from its power wiring, you must use BLOCK 8 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the solar controller.

If the equipment is less than 30A, it can be connected directly to the ARVICORE board as shown in the manual.

043.2 CONNECTION:



043.3 CONFIGURATION:

Go to **"Professional Settings"** and under **REG. SOLAR**, select: **VICTRON BLUE SOLAR ANALOG**

044. VICTRON REG. SOLAR SMART

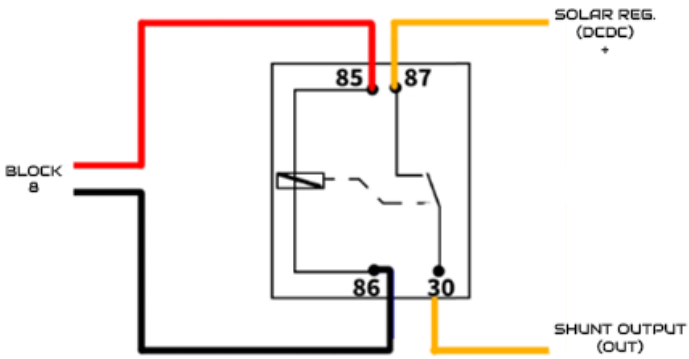
MARK: VICTRON **MODEL:** SMART
CONNECTION: ANALOGUE

044.1 EXPLANATION:

This equipment must be connected through the ARVISHUNT expansion to monitor the load current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and shut down the equipment from its power wiring, you must use BLOCK 8 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the solar controller.

If the equipment is less than 30A, it can be connected directly to the ARVICORE board as shown in the manual.

044.2 CONNECTION:



044.3 CONFIGURATION:

Go to **"Professional Settings"** and under **REG. SOLAR**, select: **VICTRON SMART SOLAR ANALOG**

045. VICTRON BATTERY GEL/AGM

MARK: VICTRON **MODEL:** GEL AND AGM
CONNECTION: ANALOGUE

045.1 CONNECTION:

It is connected directly to the terminals BAT and GND as shown in the installation manual. In case you want to obtain the SOC, the Arvikon system calculates it with its own algorithm.

045.2 CONFIGURATION:

Go to **"Professional Settings"** and in the **"BATTERY" menu,** select **VICTRON AGM/GEL SOC if you want to have SOC reading or VICTRON AGM/GEL if you want to have voltage reading.** To find out how the SOC works, see tab 01.

046. VICTRON BATTERY AGM SUPERCYCLE

MARK: VICTRON **MODEL:** AGM SUPERCYCLE
CONNECTION: ANALOGUE

046.1 CONNECTION:

It is connected directly to the terminals BAT and GND as shown in the installation manual. In case you want to obtain the SOC, the Arvikon system calculates it with its own algorithm.

046.2 CONFIGURATION:

Go to **"Professional Settings"** and in the **"BATTERY" menu,** select **VICTRON AGM SUPER SOC if you want to have SOC reading or VICTRON AGM SUPER if you want to have voltage reading.** To find out how the SOC works, see tab 01.

047. VICTRON LITHIUM BATTERY SMART

MARK: VICTRON **MODEL:** LITIO BLUE
CONNECTION: ANALOGUE

047.1 CONNECTION:

It is connected directly to the BAT and GND terminals as shown in the installation manual. The Arvikon system calculates the SOC with a proprietary algorithm.

047.2 CONFIGURATION:

Go to **"Professional Settings"** and in the **"BATTERY" menu,** select **VICTRON LITIO BLUE SOC if you want to have SOC reading or VICTRON LITIO BLUE if you want to have voltage reading.** To find out how the SOC works, see tab 01.

048. VICTRON LITHIUM BATTERY SUPERPACK

MARK: VICTRON **MODEL:** LITHIUM SUPERPACK

CONNECTION: ANALOGUE

048.1 CONNECTION:

It is connected directly to the BAT and GND terminals as shown in the installation manual. The Arvikon system calculates the SOC with a proprietary algorithm.

048.2 CONFIGURATION:

Go to **"Professional Settings"** and in the **"BATTERY" menu**, select **VICTRON SUPERPACK SOC if you want to have SOC reading or VICTRON SUPERPACK if you want to have voltage reading.** To find out how SOC works, see tab 01.

049. NDS INVERTER SMART IN (ALL)

MARK: NDS **MODEL:** SMART IN
CONNECTION: ANALOGUE

049.1 EXPLANATION:

This equipment must be connected through the ARVISHUNT expansion to monitor the discharge current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and shut down the equipment from its power wiring, you must use BLOCK 5 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the inverter.

049.2 CONNECTION:

049.3 CONFIGURATION:

Go to **"Professional Settings"** and under **INVERTER**, select: **NDS SMART IN**

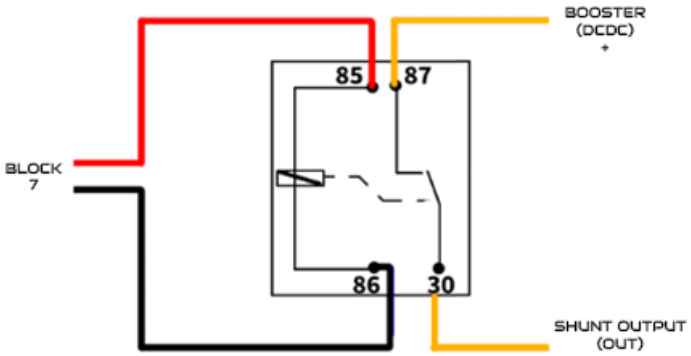
050. NDS BOOSTER (DCDC) POWER SERVICES

MARK: NDS **MODEL:** POWER SERVICES
CONNECTION: ANALOGUE

050.1 EXPLANATION:

This equipment must be connected through the ARVISHUNT expansion to monitor the load current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and shut down the equipment from its power wiring, you must use BLOCK 7 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the booster.

050.2 CONNECTION:



050.3 CONFIGURATION:

Go to **"Professional Settings"** and under **BOOSTER**, select: **NDS POWER SERVICES**

051. NDS POWER CHARGER

MARK: NDS **MODEL:** POWER CHARGER
CONNECTION: ANALOGUE

051.1 EXPLANATION:

This equipment must be connected through the ARVISHUNT expansion to monitor the charging current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and turn off the equipment from its power wiring, you must use BLOCK 6 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the charger.

051.2 CONNECTION:

051.3 CONFIGURATION:

Go to **"Professional Settings"** and under **CHARGER**, select: **NDS POWER CHARGER**

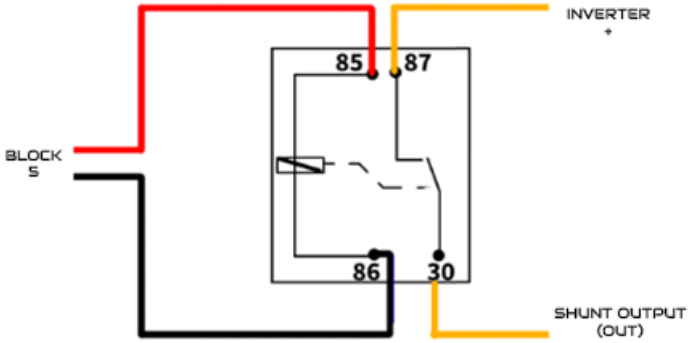
052. WHISPER POWER INVERTER WP SINE

MARK: WHISPER POWER
MODEL: WP SINE
CONNECTION: ANALOGUE

052.1 EXPLANATION:

This equipment must be connected through the ARVISHUNT expansion to monitor the discharge current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and shut down the equipment from its power wiring, you must use BLOCK 5 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the inverter.

052.2 CONNECTION:



052.3 CONFIGURATION:

Go to **"Professional Settings"** and under **INVERTER**, select: **WHISPER POWER WP SINE**

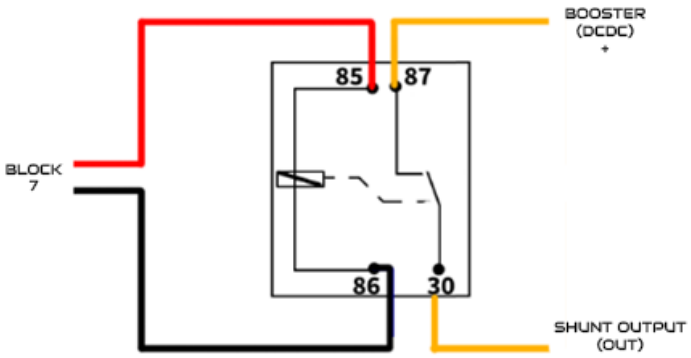
053. WHISPER POWER BOOSTER WP SERIES

MARK: WHISPER POWER **MODEL:** WP SERIES
CONNECTION: ANALOGUE

053.1 EXPLANATION:

This equipment must be connected through the ARVISHUNT expansion to monitor the load current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and shut down the equipment from its power wiring, you must use BLOCK 7 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the booster.

053.2 CONNECTION:



053.3 CONFIGURATION:

Go to **"Professional Settings"** and under **BOOSTER**, select: **WHISPER POWER WP SERIES**

054. WHISPER POWER COMBI SUNTRACK DUO

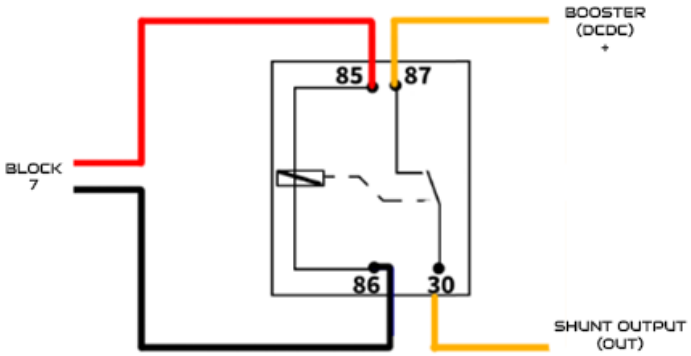
MARK: WHISPER POWER **MODEL:** WP SUN TRACK DUO

CONNECTION: ANALOGUE

054.1 EXPLANATION:

This equipment must be connected through the ARVISHUNT expansion to monitor the load current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and shut down the equipment from its power wiring, you must use the BLOCK 7/8 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the booster.

054.2 CONNECTION:



054.3 CONFIGURATION:

Go to **"Professional Settings"** and under **BOOSTER**, select: **WHISPER POWER SUN TRACK DUO**

055. WHISPER POWER SUPREME CHARGER

MARK: WHISPER POWER **MODEL:** SUPREME
CONNECTION: ANALOGUE

055.1 EXPLANATION:

This equipment must be connected through the ARVISHUNT expansion to monitor the charging current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and turn off the equipment from its power wiring, you must use BLOCK 6 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the charger.

055.2 CONNECTION:

055.3 CONFIGURATION:

Go to **"Professional Settings"** and under **LOADER**, select: **WHISPER POWER SUPREME**

056. WHISPER POWER REG. SOLAR SUNTRACK PRO

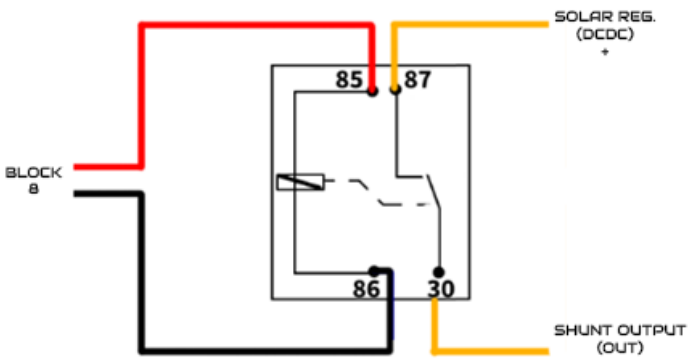
MARK: WHISPER POWER **MODEL:** SUNTRACK PRO
CONNECTION: ANALOGUE

056.1 EXPLANATION:

This equipment must be connected through the ARVISHUNT expansion to monitor the load current according to the manual: XPAND SHUNT if you also want to be able to cut the output and shut down the equipment from its power wiring, you must use BLOCK 8 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the solar controller.

If the equipment is less than 30A, it can be connected directly to the ARVICORE board as shown in the manual.

056.2 CONNECTION:



056.3 CONFIGURATION:

Go to **"Professional Settings"** and under **REG. SOLAR**, select: **WHISPER POWER SUNTRACK PRO**

057. WHISPER POWER LITHIUM PLUS BATTERY

MARK: WHISPER POWER **MODEL:** PLUS
CONNECTION: ANALOGUE

057.1 CONNECTION:

It is connected directly to the BAT and GND terminals as shown in the installation manual. The Arvikon system calculates the SOC with a proprietary algorithm.

057.2 CONFIGURATION:

Go to **"Professional Settings"** and in the **"BATTERY" menu**, select **WHISPER POWER PLUS SOC if you want to have SOC reading or WHISPER POWER PLUS if you want to have voltage reading.** To find out how the SOC works, see tab 01.

058. WHISPER POWER LITHIUM BATTERY BASIC

MARK: WHISPER POWER **MODEL:** BASIC
CONNECTION: ANALOGUE

058.1 CONNECTION:

It is connected directly to the BAT and GND terminals as shown in the installation manual. The Arvikon system calculates the SOC with a proprietary algorithm.

058.2 CONFIGURATION:

Go to **"Professional Settings"** and in the **"BATTERY" menu,** select **WHISPER POWER BASIC SOC if you want to have SOC reading or WHISPER POWER BASIC if you want to have voltage reading.** To find out how the SOC works, see tab 01.

059. WHISPER POWER GEL/AGM BATTERY

MARK: WHISPER POWER **MODEL:** GEL AND AGM
CONNECTION: ANALOGUE

059.1 CONNECTION:

It is connected directly to the terminals BAT and GND as shown in the installation manual. In case you want to obtain the SOC, the Arvikon system calculates it with its own algorithm.

059.2 CONFIGURATION:

Go to **"Professional Settings"** and in the **"BATTERY" menu,** select **WP AGM/GEL SOC if you want to have SOC reading or WP AGM/GEL if you want to have voltage reading.** To know how the SOC works, see tab 01.

060. MASTERVOLT INVERTER MASS SINE

MARK: MASTERVOLT **MODEL:** MASS SINE
CONNECTION: ANALOGUE

060.1 EXPLANATION:

This equipment must be connected through the ARVISHUNT expansion to monitor the discharge current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and shut down the equipment from its power wiring, you must use BLOCK 5 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the inverter.

060.2 CONNECTION:

060.3 CONFIGURATION:

Go to **"Professional Settings"** and under **INVERTER**, select: **MASTERVOLT MASS SINE**

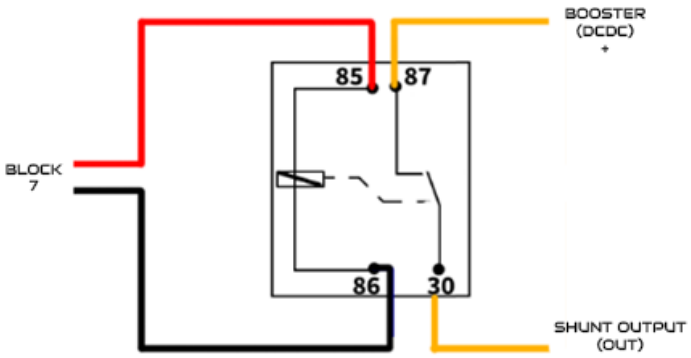
061. MASTERVOLT BOOSTER MAGIC SERIES

MARK: MASTERVOLT **MODEL:** MAGIC SERIES
CONNECTION: ANALOGUE

061.1 EXPLANATION:

If the load current does not exceed 30A, it can be passed through the ARVICORE board, otherwise, this equipment must be connected through the ARVISHUNT expansion to monitor the load current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and turn off the equipment from its power wiring, you must use the BLOCK 7 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the booster.

061.2 CONNECTION:



061.3 CONFIGURATION:

Go to **"Professional Settings"** and under **BOOSTER**, select: **MASTERVOLT MAGIC SERIES**

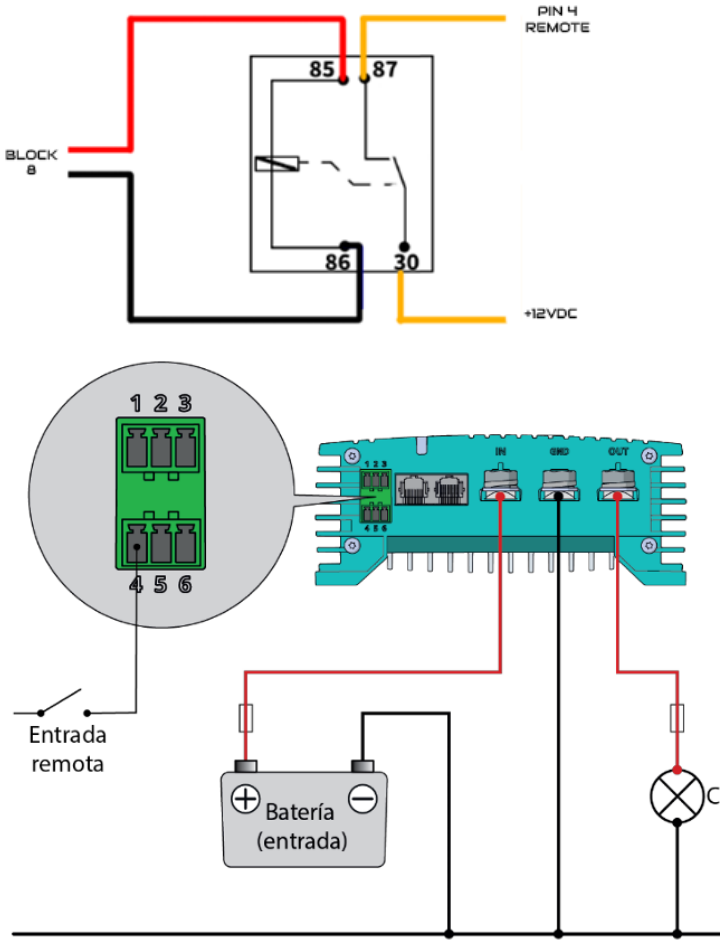
062. MASTERVOLT BOOSTER MAC PLUS

MARK: MASTERVOLT **MODEL:** MAC PLUS
CONNECTION: ANALOGUE

062.1 EXPLANATION:

This equipment must be connected through the ARVISHUNT expansion to monitor the load current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and turn off the equipment you must use a relay to send an activation signal to the PIN4 of the remote connector as shown in the manufacturer's instructions.

062.2 CONNECTION:



062.3 CONFIGURATION:

Go to **"Professional Settings"** and under **BOOSTER**, select: **MASTERVOLT MACPLUS**

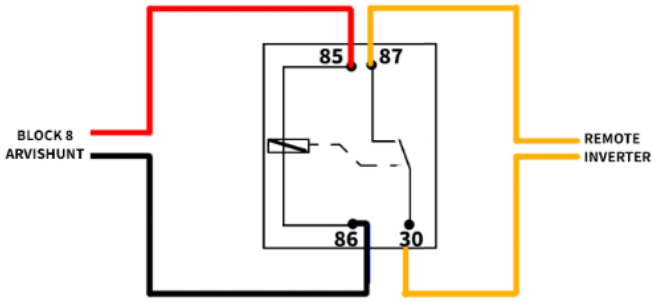
063. MASTERVOLT COMBIMASTER

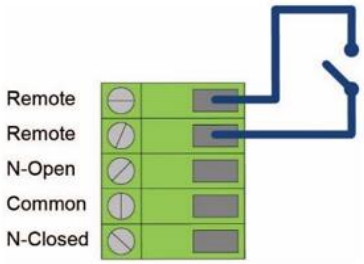
MARK: MASTERVOLT **MODEL:** COMBIMASTER
CONNECTION: ANALOGUE

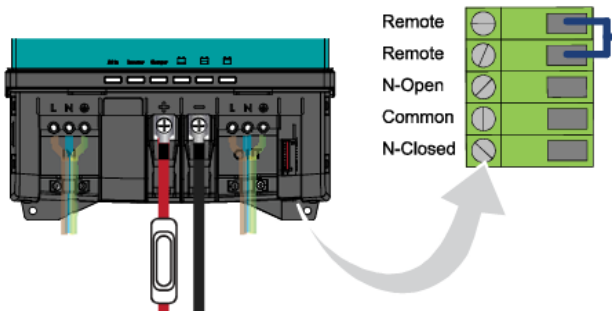
063.1 EXPLANATION:

This equipment must be connected through the ARVISHUNT expansion to monitor the discharge current according to the manual: XPAND ARVISHUNT and use the BLOCK 8 of the ARVISHUNT expansion to manage the remote control of the equipment by means of a relay to open or close the remote loop.

063.2 REMOTE CONTROL CONNECTION:







063.3 CONFIGURATION:

Go to **"Professional Settings"** and under **INVERTER AND IN CHARGER**, select: **MASTERVOLT COMBIMASTER**

064. MASTERVOLT CHARGER CHARGEMASTER

MARK: MASTERVOLT **MODEL:** CHARGEMASTER
CONNECTION: ANALOGUE

064.1 EXPLANATION:

If the charger does not exceed 30A, it can be connected directly to the ARVICORE board as shown in the installation manual, otherwise, this equipment must be connected through the ARVISHUNT expansion to monitor the charging current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and turn off the equipment from its power wiring, you must use the BLOCK 6 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive cable of the charger.

064.2 CONNECTION:

064.3 CONFIGURATION:

Go to **"Professional Settings"** and under **CHARGEMASTER**, select: **MASTERVOLT CHARGEMASTER**

065. MASTERVOLT REG. SOLAR SCM

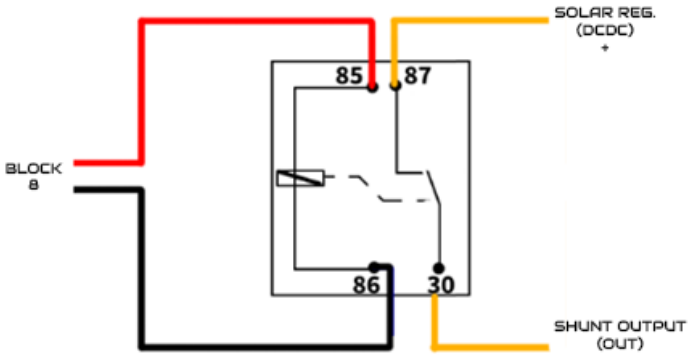
MARK: MASTERVOLT **MODEL:** SCM SERIES
CONNECTION: ANALOGUE

065.1 EXPLANATION:

If the charger does not exceed 30A, it can be connected directly to the ARVICORE board as shown in the installation manual, otherwise, this equipment must be connected through the ARVISHUNT expansion to monitor the charging current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and turn off the equipment from its power wiring, you must use the BLOCK 8 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the solar controller.

If the equipment is less than 30A, it can be connected directly to the ARVICORE board as shown in the manual.

065.2 CONNECTION:



065.3 CONFIGURATION:

Go to **"Professional Settings"** and under **REG. SOLAR**, select: **MASTERVOLT SCM SERIES**

066. MASTERVOLT LITHIUM BATTERY MLI ULTRA

MARK: MASTERVOLT **MODEL:** MLI ULTRA
CONNECTION: ANALOGUE

066.1 CONNECTION:

It is connected directly to the BAT and GND terminals as shown in the installation manual. The Arvikon system calculates the SOC with a proprietary algorithm.

066.2 CONFIGURATION:

Go to **"Professional Settings"** and in the **"BATTERY" menu,** select **MASTERVOLT MLI ULTRA SOC if you want to have SOC reading or MASTERVOLT MLI ULTRA if you want to have voltage reading.** To know how the SOC works, see tab 01.

067. MASTERVOLT AGM BATTERY

MARK: MASTERVOLT **MODEL:** AGM
CONNECTION: ANALOGUE

067.1 CONNECTION:

It is connected directly to the terminals BAT and GND as shown in the installation manual. In case you want to obtain the SOC, the Arvikon system calculates it with its own algorithm.

067.2 CONFIGURATION:

Go to **"Professional Settings"** and in the **"BATTERY" menu,** select **MASTERVOLT AGM SOC if you want to have SOC reading or MASTERVOLT AGM if you want to have voltage reading.** To know how the SOC works, see tab 01.

068. EBERSPÄCHER AIRTRONIC HEATER 2 AND 4 KW ANALOG

MARK: EBERSPAECHER **MODEL:** AIRTRONIC 2/4KW SERIES

CONNECTION: ANALOGUE

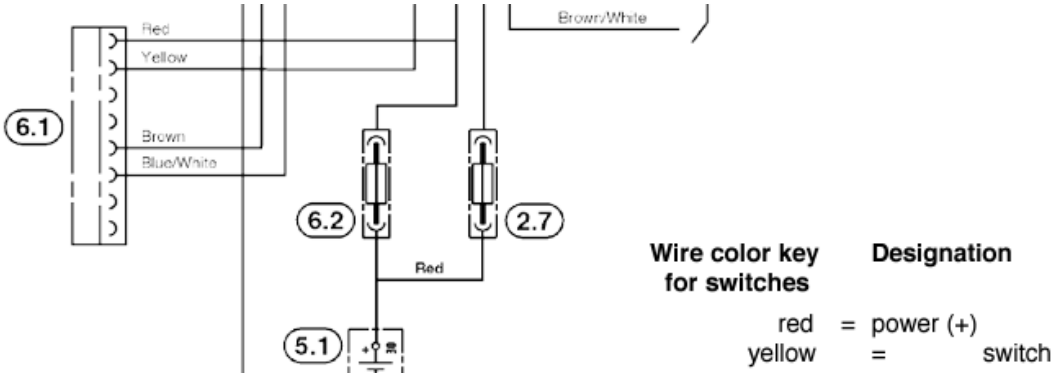
068.1 CONNECTION:

The analog connector wires located in the original wiring harness and the yellow wire separate from the harness will be used. This mode allows the heater to be used at medium power, but does not allow dimming.

BLOCK 28	1	SIGN		
	2	SIGN		
	3	SIGN		
	4	SIGN	START SIGNAL	YELLOW
	5	-	GND	BROWN
	6	+	+12VDC	RED

In case of increasing the cable distance, the cross-section must be properly calculated.

068.1.1 CONNECTION DIAGRAM:



068.2 CONFIGURATION:

Go to **"Professional Settings"** and under **heating,** select **EBERSPACHER AIRTRONIC ANALOG**

This type of connection does not allow error reading or diagnostics, to have these two options you must use the Eberspacher LIN configuration in tab 069.

069. EBERSPÄCHER AIRTRONIC HEATING 2 AND 4 KW LINBUS/CIBUS

MARK: EBERSPAECHER **MODEL:** AIRTRONIC 2/4KW SERIES

CONNECTION: LIN/CIBUS

069.1 MAKING DOCUMENTATION

SELECT EBERSP. AIRTRONIC M3 LIN

070. EBERSPÄCHER HYDRONIC

MARK: EBERSPAECHER **MODEL:** HYDRONIC
CONNECTION: ANALOGUE

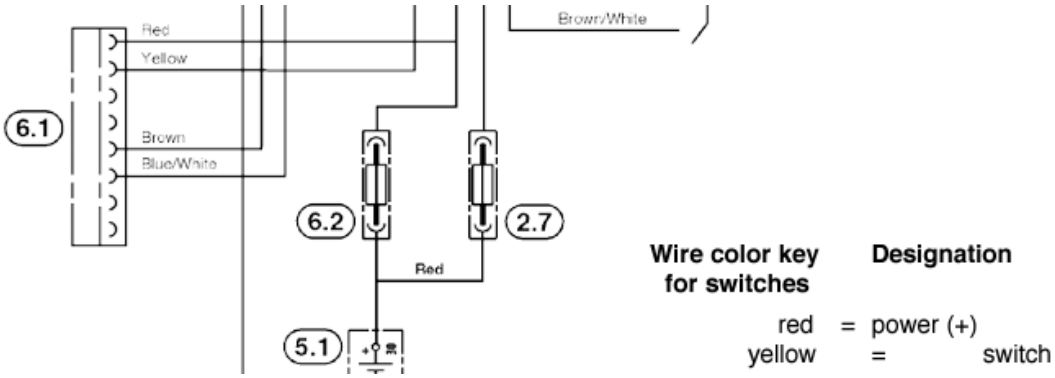
070.1 CONNECTION:

The power cables and the analog signal cable of the Hydronic will be used.

BLOCK 27	1	+	12VDC	RED
	2	-	GND	BLACK
	3	SIGN	UNUSED	--
	4	SIGN	RUN SIGNAL	YELLOW
	5	SIGN	UNUSED	--
	6	SIGN	UNUSED	--
	7	SIGN	UNUSED	--
	8	SIGN	UNUSED	--

In case of increasing the cable distance, the cross-section must be properly calculated.

070.2 CONNECTION DIAGRAM:



070.3 CONFIGURATION:

Go to **"Professional Settings"** and under **BOILER**, select **EBERSPAECHER HYDRONIC ANALOG.**

071. EBERSPÄCHER KALORI HEATING

MARK: EBERSPAECHER **MODEL:** KALORI ALL
CONNECTION: ANALOGUE

071.1 EXPLANATION:

When a fan system is used to extract heat from a heat exchanger which in turn is heated by a Hydronic

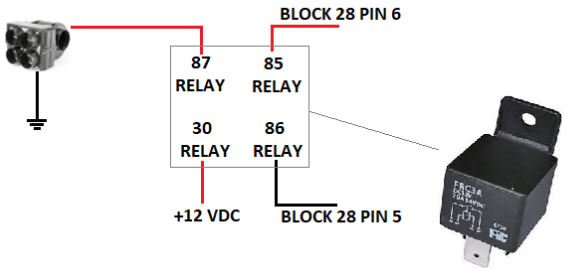
In this way, when the heating is activated and a temperature is selected, the system will activate the output of pin 5 and 6 of block 28 to energize a relay to start the fans.
The temperature reading will be taken by the vehicle's interior probe and it will decide when to turn the heating fan on or off.

The system will automatically start the boiler if the user activates the heating, as well as, it will warn the user when he/she tries to turn off the boiler with the heating on.

071.2 CONNECTION:

BLOCK 28	1	NO USE		
	2	NO USE		
	3	NO USE		
	4	NO USE		
	5	-	GND FAN	BLACK
	6	+	+12VDC FAN	RED

071.3 CONNECTION DIAGRAM:



071.4 CONFIGURATION:

Go to **"Professional Settings"** and select:

Boiler model: EBERSPAECHER HYDRONIC ANALOG
Heating model: EBERSPACHER KALORI

072. EBERSPÄCHER HEATING KALORI ADAPTATIVE

MARK: EBERSPAECHER **MODEL:** KALORI ADAPTIVE
CONNECTION: ANALOGUE

072.1 EXPLANATION:

When a fan system is used to extract heat from a heat exchanger which in turn is heated by a Hydronic

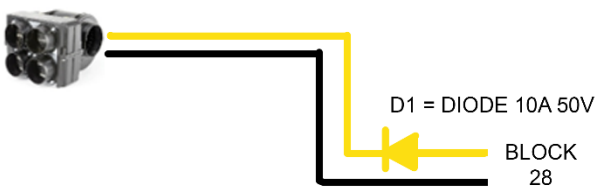
In this way, when the heating is activated and a temperature is selected, the system will activate the output of pin 5 and 6 of block 28 with a PWM regulation to modulate the fan speed.
The temperature reading will be taken by the probe inside the vehicle, the closer to the target the slower the air will move.

The system will automatically start the boiler if the user turns on the heat, as well as, it will warn the user when he/she tries to turn off the boiler with the heat on.

072.2 CONNECTION:

BLOCK 28	1	NO USE		
	2	NO USE		
	3	NO USE		
	4	NO USE		
	5	-	GND FAN	BLACK
	6	+	+12VDC FAN	(LOW POWER)

072.3 CONNECTION DIAGRAM:



ATTENTION:
A 10A 50V DIODE NOT INCLUDED MUST BE MOUNTED. FAILURE TO MOUNT THE PROPER DIODE OR USE THE MEDIUM AND HIGH FAN POWERS WILL DAMAGE THE ARVICORE BOARD AND VOID THE WARRANTY.

072.4 CONFIGURATION:

Go to **"Professional Settings"** and select:

Boiler model: EBERSPAECHER HYDRONIC ANALOG
Heating model: EBERSPACHER KALORI ADAPTATIVE

This type of connection is ONLY valid for ventilation equipment with a maximum consumption of 9A, higher power or higher current peaks will cause damage to the Arvikon equipment and will lose the warranty.

073. BUTTNER INVERTER MT ANALOG

MARK: BUTTNER **MODEL:** MT
CONNECTION: ANALOGUE

073.1 EXPLANATION:

This equipment must be connected through the ARVISHUNT expansion to monitor the discharge current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and shut down the equipment from its power wiring, you must use BLOCK 5 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the inverter.

073.2 CONNECTION:

073.3 CONFIGURATION:

Go to **"Professional Settings"** and under **INVERTER**, select: **BUTTNER MT SERIES**

This equipment has a LINBUS version with all the functionalities, but as it has been integrated in the Dometic brand, we have to wait to see if these functionalities are maintained.

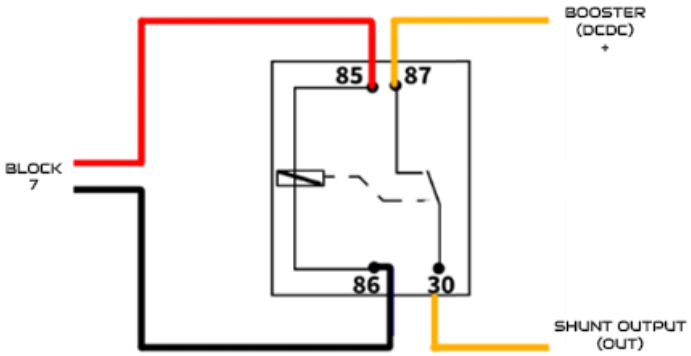
074. BUTTNER BOOSTER (DCDC) LB ANALOG

MARK: BUTTNER **MODEL:** MT-LB-BCB
CONNECTION: ANALOGUE

074.1 EXPLANATION:

This equipment must be connected through the ARVISHUNT expansion to monitor the load current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and shut down the equipment from its power wiring, you must use BLOCK 7 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the booster.

074.2 CONNECTION:



074.3 CONFIGURATION:

Go to **"Professional Settings"** and under **BOOSTER**, select: **BUTTNER LB SERIES**

This equipment has a LINBUS version with all the functionalities, but as it has been integrated in the Dometic brand, we have to wait to see if these functionalities are maintained.

075. BUTTNER CAC ANALOG CHARGER

MARK: BUTTNER **MODEL:** MT CAC CAC BCB

CONNECTION: ANALOGUE

075.1 EXPLANATION:

This equipment must be connected through the ARVISHUNT expansion to monitor the charging current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and turn off the equipment from its power wiring, you must use BLOCK 6 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the charger.

075.2 CONNECTION:

075.3 CONFIGURATION:

Go to **"Professional Settings"** and under **LOADER**, select: **BUTTNER CAC SERIES**

This equipment has a LINBUS version with all the functionalities, but as it has been integrated into the Dometic brand, we have to wait to see if these functionalities are maintained.

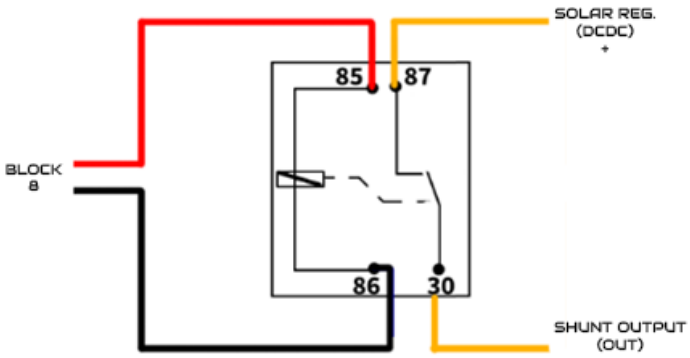
076. BUTTNER REG. SOLAR MT ANALOG

MARK: BUTTNER **MODEL:** MT
CONNECTION: ANALOGUE

076.1 EXPLANATION:

If the charger does not exceed 30A, it can be connected directly to the ARVICORE board as shown in the installation manual, otherwise, this equipment must be connected through the ARVISHUNT expansion to monitor the charging current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and turn off the equipment from its power wiring, you must use the BLOCK 8 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the solar controller.

076.2 CONNECTION:



076.3 CONFIGURATION:

Go to **"Professional Settings"** and under **REG. SOLAR**, select: **BUTTNER MT**

This equipment has a LINBUS version with all the functionalities, but as it has been integrated in the Dometic brand, we have to wait to see if these functionalities are maintained.

077. THETFORD REFRIGERATOR T2000 SERIES LINBUS/CIBUS

MARK: THETFORD **MODEL:** T2000 SERIES
CONNECTION: LINBUS

077.1 MAKING DOCUMENTATION

078. THETFORD REFRIGERATOR N4000 SERIES LINBUS/CIBUS

MARK: THETFORD **MODEL:** N4000 SERIES
CONNECTION: LINBUS

078.1 MAKING DOCUMENTATION

079. THETFORD REFRIGERATORS ALL (ANALOG)

MARK: THETFORD **MODEL:** ALL
CONNECTION: ANALOGUE

079.1 EXPLANATION:

Valid for all refrigerators of any series of the brand. If the refrigerator is of the SERIES T2000 OR N4000, it has the card 077 AND 078 to connect this refrigerator by LINBUS. The rest of the refrigerators must be installed according to this card. If the 077 and 078 cards are not yet available, you must install them according to this card.

079.2 CONNECTION:

Connect the refrigerator directly to Block 26 respecting the polarity engraved on the plate.

BLOCK 26	1	-	NEGATIVE FOOD	BLACK
	2	+	POSITIVE FEEDING	RED

079.3 CONFIGURATION:

Go to **"Professional Settings"** and under **NEVERAS**, select: **THETFORD ALL**

080. THETFORD KITCHENS

MARK: THETFORD **MODEL:** ALL
CONNECTION: ANALOGUE

080.1 EXPLANATION:

Valid for all kitchens of any series of the brand.

080.2 CONNECTION:

Connect piezoelectric cables to Block 20 PIN 1 and 2

BLOCK 20	1	+	POSITIVE FEEDING	RED
	2	-	NEGATIVE FOOD	BLACK
	3	+	NO USE	NO USE

081. THETFORD OVENS

MARK: THETFORD **MODEL:** ALL
CONNECTION: ANALOGUE

081.1 EXPLANATION:

Valid for all ovens of any series of the brand.

081.2 CONNECTION:

Connect piezoelectric cables to Block 20 PIN 1 and 2

BLOCK 20	1	+	POSITIVE FEEDING	RED
	2	-	NEGATIVE FOOD	BLACK
	3	+	NO USE	NO USE

082. THETFORD WC'S

MARK: THETFORD **MODEL:** ALL
CONNECTION: ANALOGUE

082.1 EXPLANATION:

Valid for all WC of any series of the brand.

082.2 CONNECTION:

Connect the positive cable to the AUX terminal of the ARVICORE control unit to be able to monitor consumption and disconnect it remotely or in-situ by simply switching off the 12V output.

083. COMBI VILLAGE

MARK: ALDE **MODEL:**
CONNECTION: LINBUS

083.1 MAKING DOCUMENTATION

084. THITRONIK GAS ALARM

MARK: THITRONIK **MODEL:** GAS ALARM
CONNECTION: LINBUS

084.1 MAKING DOCUMENTATION

085. THITRONIK HOME ALARM

MARK: THITRONIK **MODEL:** HOUSE ALARM
CONNECTION: LINBUS

085.1 MAKING DOCUMENTATION

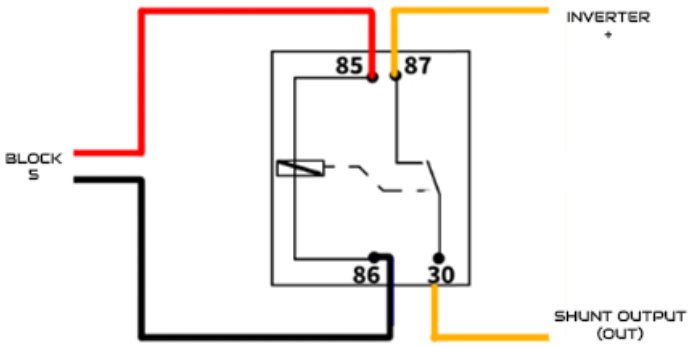
086. CARBEST INVERTER ANALOG

MARK: CARBEST **MODEL:** ALL
CONNECTION: ANALOGUE

086.1 EXPLANATION:

This equipment must be connected through the ARVISHUNT expansion to monitor the discharge current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and shut down the equipment from its power wiring, you must use BLOCK 5 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the inverter.

086.2 CONNECTION:



086.3 CONFIGURATION:

Go to **"Professional Settings"** and under **INVERTER**, select: **CARBEST SERIES**

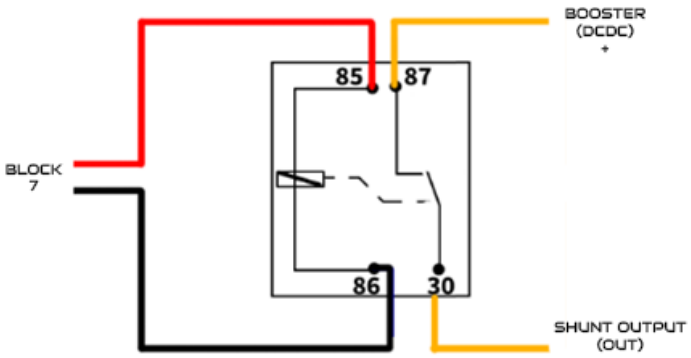
087. CARBEST BOOSTER ANALOG

MARK: CARBEST **MODEL:** ALL
CONNECTION: ANALOGUE

087.1 EXPLANATION:

If the charger does not exceed 30A, it can be connected directly to the ARVICORE board as shown in the installation manual, otherwise, this equipment must be connected through the ARVISHUNT expansion to monitor the charging current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and turn off the equipment from its power wiring, you must use the BLOCK 7 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the booster.

087.2 CONNECTION:



087.3 CONFIGURATION:

Go to **"Professional Settings"** and under **BOOSTER**, select: **CARBEST DC-DC**

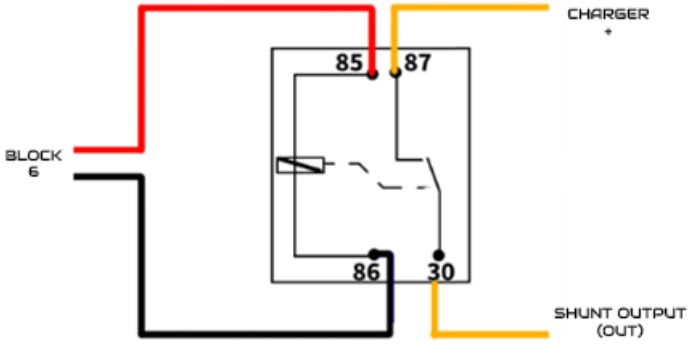
088. CARBEST ANALOG CHARGER

MARK: CARBEST **MODEL:** ALL
CONNECTION: ANALOGUE

088.1 EXPLANATION:

If the charger does not exceed 30A, it can be connected directly to the ARVICORE board as shown in the installation manual, otherwise, this equipment must be connected through the ARVISHUNT expansion to monitor the charging current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and turn off the equipment from its power wiring, you must use the BLOCK 6 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive cable of the charger.

088.2 CONNECTION:



088.3 CONFIGURATION:

Go to **"Professional Settings"** and under **LOADER**, select: **CARBEST SERIES**

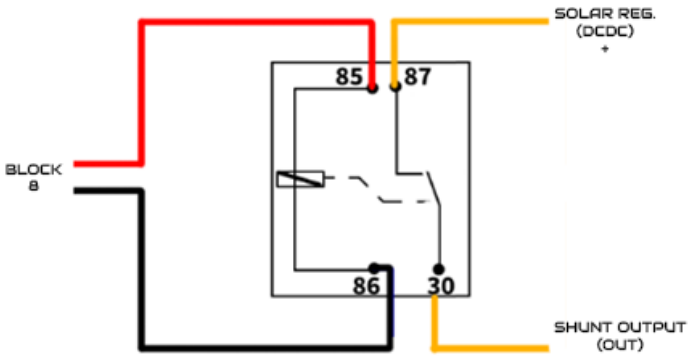
089. CARBEST REG. SOLAR ANALOG

MARK: CARBEST **MODEL:** ALL
CONNECTION: ANALOGUE

089.1 EXPLANATION:

If the charger does not exceed 30A, it can be connected directly to the ARVICORE board as shown in the installation manual, otherwise, this equipment must be connected through the ARVISHUNT expansion to monitor the charging current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and turn off the equipment from its power wiring, you must use the BLOCK 8 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the solar controller.

089.2 CONNECTION:



089.3 CONFIGURATION:

Go to **"Professional Settings"** and under **REG. SOLAR**, select: **CARBEST SOLAR**

090. CARBEST LITHIUM BATTERY

MARK: CARBEST **MODEL:** ALL
CONNECTION: ANALOGUE

090.1 CONNECTION:

It is connected directly to the BAT and GND terminals as shown in the installation manual. The Arvikon system calculates the SOC with a proprietary algorithm.

090.2 CONFIGURATION:

Go to **"Professional Settings"** and in the **"BATTERY" menu**, select **CARBEST LI SOC if you want to have SOC reading or CARBEST LI if you want to have voltage reading.** To know how the SOC works, see tab 01.

091. CARBEST MOVER (ALL)

MARK: CARBEST **MODEL:** ALL
CONNECTION: ANALOGUE

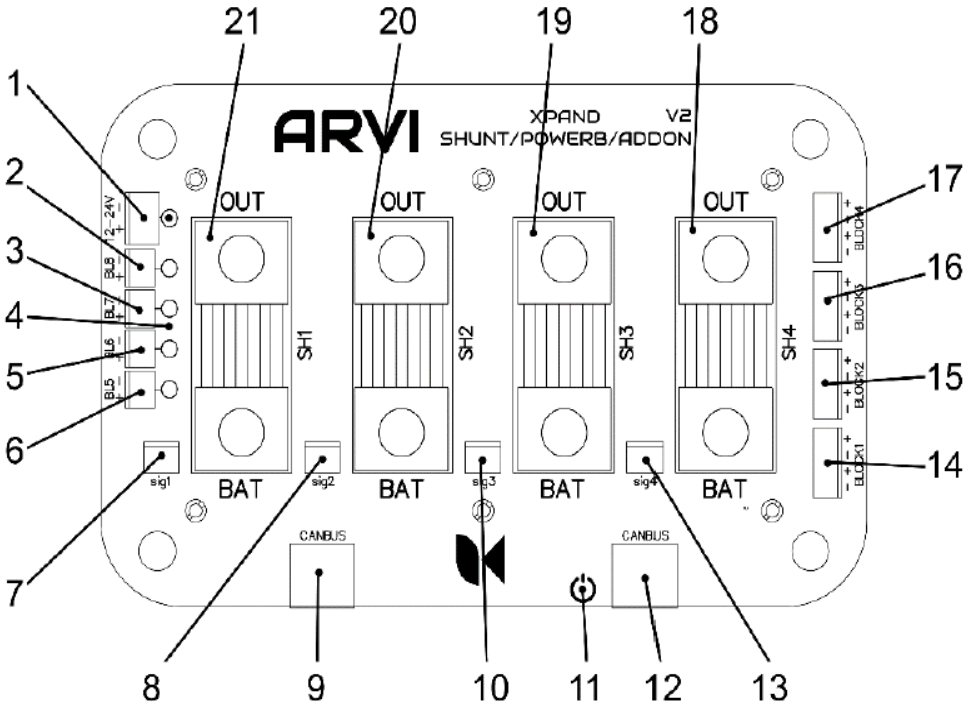
091.1 EXPLANATION:

This control is valid for all CARBEST Movers as long as they are powered from the same service battery as the rest of the house. This allows us to see the consumption of the Mover on the Arvikon display and also to count the consumption of the Mover for the SOC.

If a separate battery is to be used, this should not be connected to the Arvikon environment.

091.2 CONNECTION:

The power supply of the MOVER module must be connected to the output (OUT) of one of the shunts (18, 19, 20 or 21), and the cable to the battery on the other side of the shunt (BAT). For this you need the XPAND ADDON expansion.



092. CARBEST GAS ALARM

MARK: CARBEST **MODEL:** GAS ALARM
CONNECTION: ANALOGUE

092.1 EXPLANATION:

This is an example of installation, but it can also be placed on the AUX terminal.

092.2 CONNECTION:

Connect the piezoelectric cables to Block 20 PIN 1 and 2

BLOCK 20	1	+	POSITIVE FEEDING	RED
	2	-	NEGATIVE FOOD	BLACK
	3	+	NO USE	NO USE

093. CARBEST SMART TV

MARK: CARBEST **MODEL:** SMART TV
CONNECTION: ANALOGUE

093.1 EXPLANATION:

For Smart TVs, you have two options:

1- If your TV allows it, install the APK that you can download from the playstore and access your vehicle.
2- Access your vehicle via the WEB version and save the shortcut.

093.2 CONNECTION:

Connect the TV power supply to the AUX terminal to monitor the consumption and to be able to always turn it off with a button.

094. CARBEST WATER PUMPS

MARK: CARBEST **MODEL:** ALL
CONNECTION: ANALOGUE

094.1 EXPLANATION:

Valid for all carbest pumps on the market, submersible, in-line or pressure pumps.

094.2 CONNECTION:

Connect the pump directly to Block 22 respecting the polarity engraved on the plate.

BLOCK 22	1	-	NEGATIVE FOOD	BLACK
	2	+	POSITIVE FEEDING	RED

095. CARBEST WC'S

MARK: CARBEST **MODEL:** ALL
CONNECTION: ANALOGUE

095.1 EXPLANATION:

Valid for all WC of any series of the brand.

095.2 CONNECTION:

Connect the positive cable to the AUX terminal of the ARVICORE control unit to be able to monitor consumption and disconnect it remotely or in-situ by simply switching off the 12V output.

096. CARBEST FUME HOODS

MARK: CARBEST **MODEL:** ALL
CONNECTION: ANALOGUE

096.1 EXPLANATION:

Valid for all the bells of any series of the brand.

096.2 CONNECTION:

Connect the positive cable to the AUX terminal of the ARVICORE control unit to be able to monitor consumption and disconnect it remotely or in-situ by simply switching off the 12V output.

097. CARBEST REFRIGERATORS ALL (ANALOG)

MARK: CARBEST **MODEL:** ALL
CONNECTION: ANALOGUE

097.1 EXPLANATION:

Valid for all refrigerators of any series of the brand.

097.2 CONNECTION:

Connect the refrigerator directly to Block 26 respecting the polarity engraved on the plate.

BLOCK 26	1	-	NEGATIVE FOOD	BLACK
	2	+	POSITIVE FEEDING	RED

097.3 CONFIGURATION:

Go to **"Professional Settings"** and under **NEVERAS**, select: **CARBEST ALL**

098. CARBEST KITCHENS

MARK: CARBEST **MODEL:** ALL
CONNECTION: ANALOGUE

098.1 EXPLANATION:

Valid for all kitchens of any series of the brand.

098.2 CONNECTION:

Connect the piezoelectric cables to Block 20 PIN 1 and 2

BLOCK 20	1	+	POSITIVE FEEDING	RED
	2	-	NEGATIVE FOOD	BLACK
	3	+	NO USE	NO USE

099. CARBEST AIR CONDITIONING

MARK: CARBEST **MODEL:** ALL
CONNECTION: ANALOGUE

099.1 EXPLANATION:

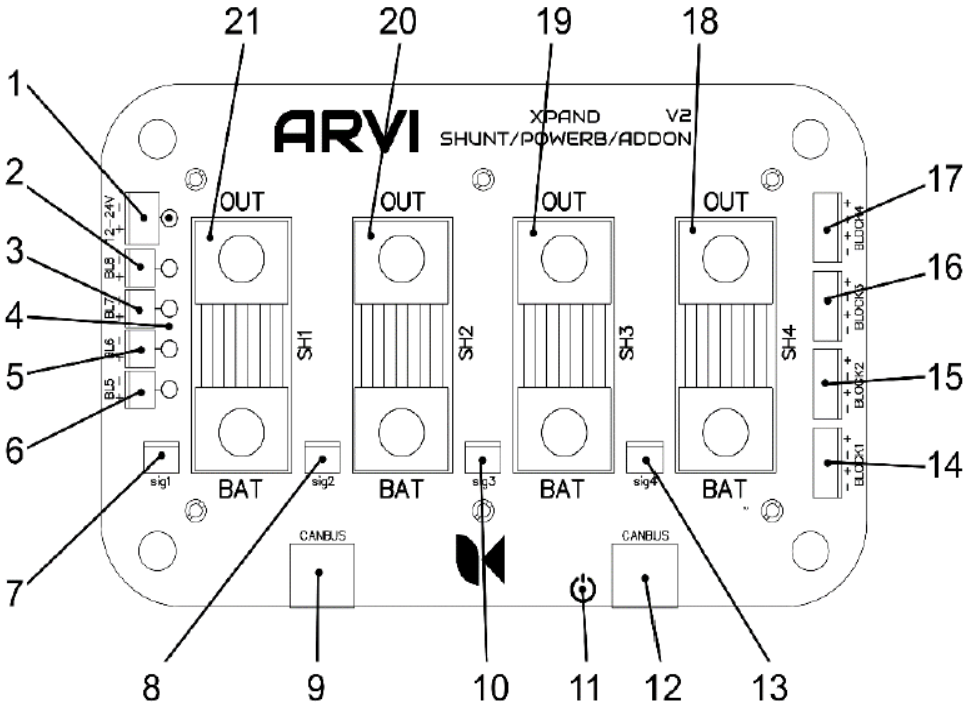
This control is valid for all CARBEST AIR CONDITIONERS.

Starting and reporting of the equipment should always be done from the original controller as Carbest has no external control support for this unit.

If the equipment is used in DC through an inverter, in order to have a current reading, it must be passed through the ARVISHUNT board, and if an inverter is used for the AA or a DC Kit is used, the XPAND ADDON expansion must be installed.

099.2 CONNECTION:

The power supply of the Air Conditioner must be connected to the output (OUT) of one of the shunts (18, 19, 20 or 21), and the cable to the battery on the other side of the shunt (BAT). For this you need the XPAND ADDON expansion.



100. EFOY FUEL CELL

MARK: EFOY **MODEL:** ALL
CONNECTION: ANALOGUE

100.1 EXPLANATION:

Valid for all fuel cell models.

100.2 CONNECTION:

You can connect it through the SHUNT as if it were a charger or directly through the ARVICORE board to the charger connector.

101. EFOY LITHIUM BATTERY

MARK: EFOY **MODEL:** ALL
CONNECTION: ANALOGUE

101.1 CONNECTION:

It is connected directly to the BAT and GND terminals as shown in the installation manual. The Arvikon system calculates the SOC with a proprietary algorithm.

101.2 CONFIGURATION:

Go to **"Professional Settings"** and in the **"BATTERY"** team, select **EFOY LI SOC if you want to have SOC reading or EFOY LI if you want to have voltage reading.** To know how the SOC works, see tab 01.

102. EZA INVERTER ANALOG

MARK: EZA **MODEL:** ALL
CONNECTION: ANALOGUE

102.1 EXPLANATION:

This equipment must be connected through the ARVISHUNT expansion to monitor the discharge current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and shut down the equipment from its power wiring, you must use BLOCK 5 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the inverter.

102.2 CONNECTION:

102.3 CONFIGURATION:

Go to **"Professional Settings"** and under **INVERTER**, select: **EZA SERIES**

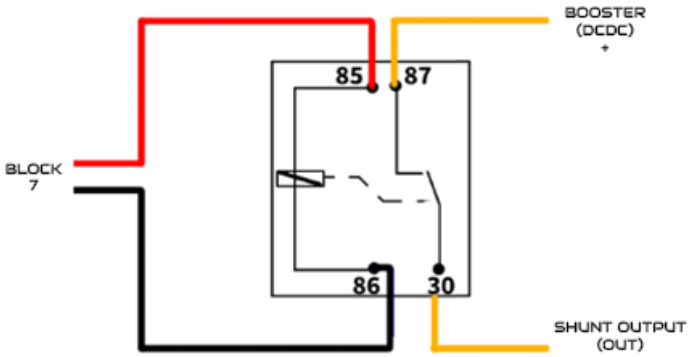
103. EZA BOOSTER (DCDC) ANALOG

MARK: EZA **MODEL:** ALL
CONNECTION: ANALOGUE

103.1 EXPLANATION:

This equipment must be connected through the ARVISHUNT expansion to monitor the load current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and shut down the equipment from its power wiring, you must use BLOCK 7 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the booster.

103.2 CONNECTION:



103.3 CONFIGURATION:

Go to **"Professional Settings"** and under **BOOSTER**, select: **EZA DC-DC**

104. EZA CARGADOR

MARK: EZA **MODEL:** ALL
CONNECTION: ANALOGUE

104.1 EXPLANATION:

This equipment must be connected through the ARVISHUNT expansion to monitor the charging current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and turn off the equipment from its power wiring, you must use BLOCK 6 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the charger.

104.2 CONNECTION:

104.3 CONFIGURATION:

Go to **"Professional Settings"** and under **LOADER**, select: **EZA SERIES**

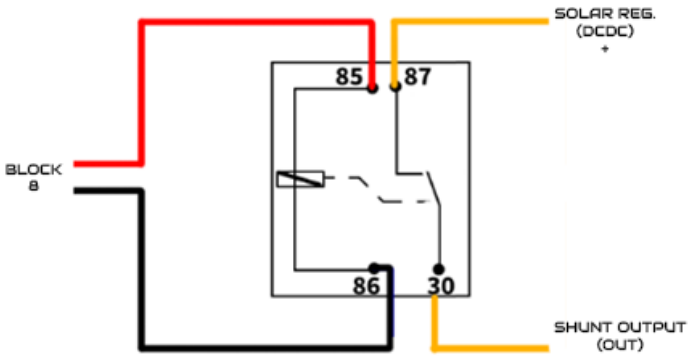
105. EZA REG. SOLAR

MARK: EZA **MODEL:** ALL
CONNECTION: ANALOGUE

105.1 EXPLANATION:

If the charger does not exceed 30A, it can be connected directly to the ARVICORE board as shown in the installation manual, otherwise, this equipment must be connected through the ARVISHUNT expansion to monitor the charging current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and turn off the equipment from its power wiring, you must use the BLOCK 8 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the solar controller.

105.2 CONNECTION:



105.3 CONFIGURATION:

Go to **"Professional Settings"** and under **REG. SOLAR**, select: **EZA SOLAR**

106. INDELB REFRIGERATORS (ALL)

MARK: CARBEST **MODEL:** ALL
CONNECTION: ANALOGUE

106.1 EXPLANATION:

Valid for all refrigerators of any series of the brand.

106.2 CONNECTION:

Connect the pump directly to Block 26 respecting the polarity engraved on the plate.

BLOCK 26	1	-	NEGATIVE FOOD	BLACK
	2	+	POSITIVE FEEDING	RED

106.3 CONFIGURATION:

Go to **"Professional Settings"** and under **NEVERAS**, select: **INDELB ALL**

107. ME LITHIUM BATTERY

MARK: ME **MODEL:** LITIO
CONNECTION: ANALOGUE

107.1 CONNECTION:

It is connected directly to the BAT and GND terminals as shown in the installation manual. The Arvikon system calculates the SOC with a proprietary algorithm.

107.2 CONFIGURATION:

Go to **"Professional Settings"** and in the **"BATTERY"** team, select **ME MY ENERGY SOC if you want to have SOC reading or ME MY ENERGY if you want to have voltage reading.** To find out how the SOC works, see tab 01.

108. ME AGM BATTERY

MARK: ME **MODEL:** AGM
CONNECTION: ANALOGUE

108.1 CONNECTION:

It is connected directly to the terminals BAT and GND as shown in the installation manual. In case you want to obtain the SOC, the Arvikon system calculates it with its own algorithm.

108.2 CONFIGURATION:

Go to **"Professional Settings"** and in the **"BATTERY"** team, select **ME MY ENERGY SOC if you want to have SOC reading or ME MY ENERGY if you want to have voltage reading.** To find out how the SOC works, see tab 01.

109. ME GEL BATTERY

MARK: ME **MODEL:** GEL
CONNECTION: ANALOGUE

109.1 CONNECTION:

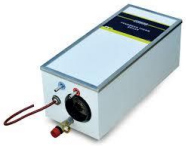
It is connected directly to the terminals BAT and GND as shown in the installation manual. In case you want to obtain the SOC, the Arvikon system calculates it with its own algorithm.

109.2 CONFIGURATION:

Go to **"Professional Settings"** and in the **"BATTERY"** team, select **ME MY ENERGY SOC if you want to have SOC reading or ME MY ENERGY if you want to have voltage reading.** To find out how the SOC works, see tab 01.

110. PUNDMANN BOILER

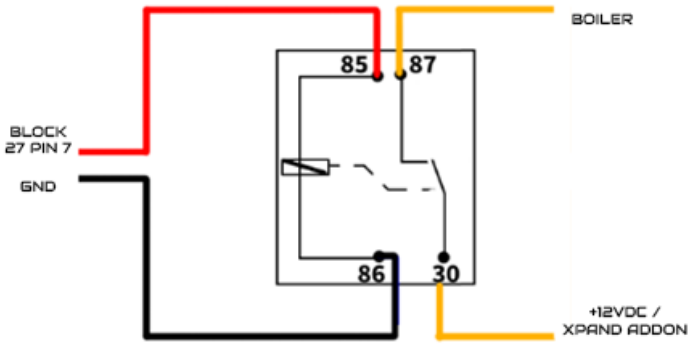
MARK: PUNDMANN **MODEL:** ALL
CONNECTION: ANALOGUE



110.1 EXPLANATION:

This equipment is operated by means of a relay maneuver managed from the output of the arvicore BLOCK 27 PIN7. If you want to be able to read the current consumed in 12V, it must be passed through the ARVIKON XPAND ADDON expansion.

110.2 CONNECTION:



110.3 CONFIGURATION:

Go to **"Professional Settings"** and under **BOILER**, select: **PUNDMANN**

111. REDARC INVERTER ANALOG

MARK: REDARC **MODEL:** ALL
CONNECTION: ANALOGUE

111.1 EXPLANATION:

This equipment must be connected through the ARVISHUNT expansion to monitor the discharge current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and shut down the equipment from its power wiring, you must use BLOCK 5 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the inverter.

111.2 CONNECTION:

111.3 CONFIGURATION:

Go to **"Professional Settings"** and under **INVERSOR**, select: **REDARC**

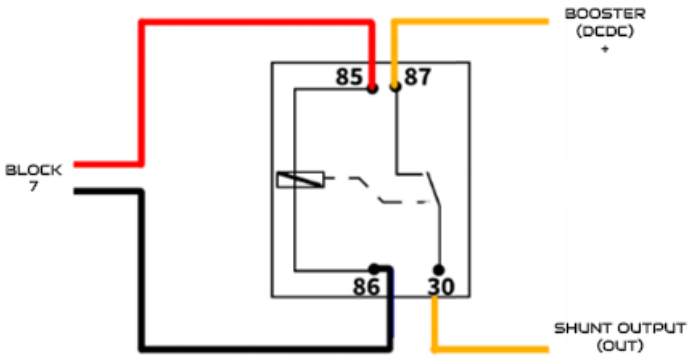
112. REDARC BOOSTER (DCDC)

MARK: REDARC **MODEL:** ALL
CONNECTION: ANALOGUE

112.1 EXPLANATION:

If the load current is less than 30A, it can be connected directly to the ARVICORE board, if this is not the case, this equipment must be connected through the ARVISHUNT expansion to monitor the load current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and turn off the equipment from its power wiring, you must use the BLOCK 7 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the booster.

112.2 CONNECTION:



112.3 CONFIGURATION:

Go to **"Professional Settings"** and under **BOOSTER**, select: **REDARC BCDC-DC**

113. REDARC LITHIUM BATTERY

MARK: REDARC **MODEL:** LITIO
CONNECTION: ANALOGUE

113.1 CONNECTION:

It is connected directly to the BAT and GND terminals as shown in the installation manual. The Arvikon system calculates the SOC with a proprietary algorithm.

113.2 CONFIGURATION:

Go to **"Professional Settings"** and in the **"BATTERY"** team, select **REDARC SOC if you want to have SOC reading or REDARC if you want to have voltage reading.** To know how SOC works, see tab 01.

114. RK REICH PUMPS WATER

MARK: RK REICH **MODEL:** ALL
CONNECTION: ANALOGUE

114.1 EXPLANATION:

Valid for all REICH pumps on the market, submersible, in-line or pressure pumps.

114.2 CONNECTION:

Connect the pump directly to Block 22 respecting the polarity engraved on the plate.

BLOCK 22	1	-	NEGATIVE FOOD	BLACK
	2	+	POSITIVE FEEDING	RED

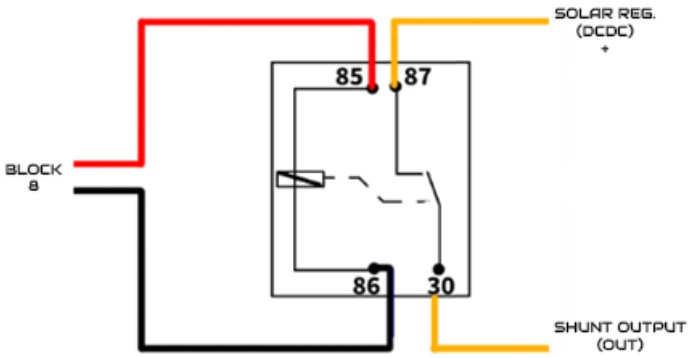
115. STECA REG. SOLAR

MARK: STECA **MODEL:** ALL
CONNECTION: ANALOGUE

115.1 EXPLANATION:

If the charger does not exceed 30A, it can be connected directly to the ARVICORE board as shown in the installation manual, otherwise, this equipment must be connected through the ARVISHUNT expansion to monitor the charging current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and turn off the equipment from its power wiring, you must use the BLOCK 8 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the solar controller.

115.2 CONNECTION:



115.3 CONFIGURATION:

Go to **"Professional Settings"** and under **REG. SOLAR**, select: **STECA**

116. ULTIMATRON LITHIUM BATTERY

MARK: ULTIMATRON **MODEL:** LITIO
CONNECTION: ANALOGUE

116.1 CONNECTION:

It is connected directly to the BAT and GND terminals as shown in the installation manual. The Arvikon system calculates the SOC with a proprietary algorithm.

116.2 CONFIGURATION:

Go to **"Professional Settings"** and in the **"BATTERY" menu**, select **ULTIMATRON SOC if you want to have SOC reading or ULTIMATRON if you want to have voltage reading.** To find out how SOC works, see tab 01.

117. VECHLINE INVERTER ANALOG

MARK: VECHLINE **MODEL:** ALL
CONNECTION: ANALOGUE

117.1 EXPLANATION:

This equipment must be connected through the ARVISHUNT expansion to monitor the discharge current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and shut down the equipment from its power wiring, you must use BLOCK 5 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the inverter.

117.2 CONNECTION:

117.3 CONFIGURATION:

Go to **"Professional Settings"** and under **INVESTOR**, select: **VECHLINE**

118. VECHLINE CHARGER

MARK: VECHLINE **MODEL:** ALL
CONNECTION: ANALOGUE

118.1 EXPLANATION:

This equipment must be connected through the ARVISHUNT expansion to monitor the charging current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and turn off the equipment from its power wiring, you must use BLOCK 6 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the charger.

118.2 CONNECTION:

118.3 CONFIGURATION:

Go to **"Professional Settings"** and under **LOADER**, select: **VECHLINE**

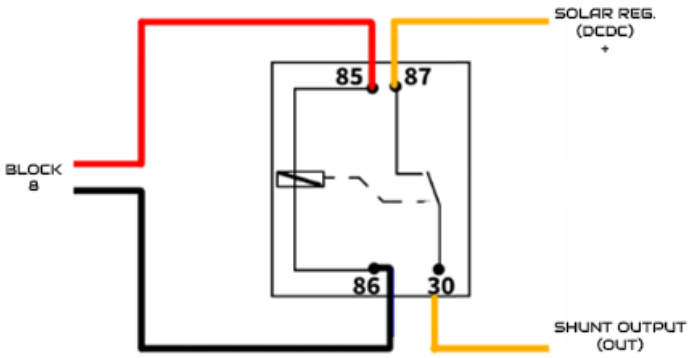
119. VECHLINE REG. SOLAR

MARK: VECHLINE **MODEL:** ALL
CONNECTION: ANALOGUE

119.1 EXPLANATION:

If the charger does not exceed 30A, it can be connected directly to the ARVICORE board as shown in the installation manual, otherwise, this equipment must be connected through the ARVISHUNT expansion to monitor the charging current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and turn off the equipment from its power wiring, you must use the BLOCK 8 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the solar controller.

119.2 CONNECTION:



119.3 CONFIGURATION:

Go to **"Professional Settings"** and under **REG. SOLAR**, select: **VECHLINE**

120. AUTOTERM HEATING 2,4,8 AND 9D

MARK: AUTOTERM **MODEL:** 2D, 4D 8D AND 9D
CONNECTION: ANALOGUE

120.1 EXPLANATION:

This heater in analog mode is only allowed to be switched on with the last configured mode and for 2 hours. After that, the heater must be operated from the original control.

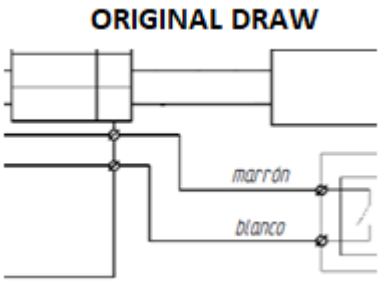
120.2 CONNECTION:

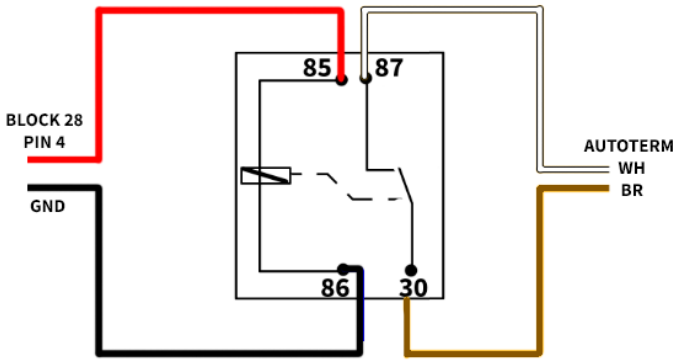
The wires of the original harness will be used, specifically the power wires and the brown (BR) and white (WH) wires that must be connected by means of a 12V 5A relay (not supplied) using pin 4 for the maneuver.

BLOCK 28	1	SIGN	--	--
	2	SIGN	--	--
	3	SIGN	--	--
	4	SIGN	MANEUVER SIGNAL	RED (JOIN BROWN AND WHITE)
	5	-	GND	BLACK
	6	+	+12VDC	RED

In case of increasing the cable distance, the cross-section must be properly calculated.

120.2.1 CONNECTION DIAGRAM:





120.3 CONFIGURATION:

Go to **"Professional settings"** and under **heating,** select **AUTOTERM ANALOG 2D, 4D, 8D. 9D**

If full heating control is desired, a LINBUS Autoterm unit must be ordered from the manufacturer, which will be available from 2023.

121. AUTOTERM HEATING 2,4,8 AND 9D LINBUS/CIBUS

MARK: AUTOTERM **MODEL:** 2D, 4D 8D AND 9D

CONNECTION: LINBUS/CIBUS

121.1 PENDING FROM THE MANUFACTURER

122. LIPPERT COMP. ELEVABLE BED

MARK: LIPPERT **MODEL:** BED
CONNECTION: ANALOGUE

122.1 EXPLANATION:

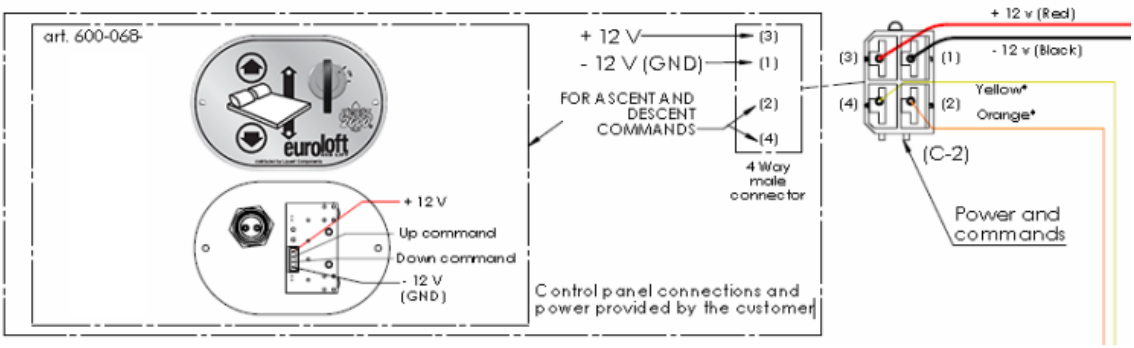
For the operation of the bed, the original control unit will be used as a bridge for maneuvering. This way the bed can be used from the control and from the control unit equally and the safety and limit switches of the bed itself are maintained. This same scheme can be used with any other make and model of bed as long as the same type of control by positive signals is maintained.

122.2 CONNECTION:

The connection is made from behind the control unit to block 24 according to the following table. The connector behind the control unit may vary depending on the bed model.

24	1	+12v	SUBIR	ORANGE
	2	GND	MASA	NO USE
	3	+12V	DOWNLOAD	YELLOW

122.3 CONNECTION DIAGRAM:



CONFIGURATION:

Go to **"Professional Settings"** and in the **"BLOCK 24"** device, select **BED**

123. LIPPERT COMP. SLIDE OUT

MARK: LIPPERT **MODEL:** SLIDEOUT
CONNECTION: ANALOGUE

123.1 EXPLANATION:

For the management of the Slide Out, two relays will be used to make the opening and closing maneuver, these will be managed with the pins 1 and 3 of the BLOCK 24. This same scheme can be used with any other brand and model of Slide Out as long as the same type of control is maintained.

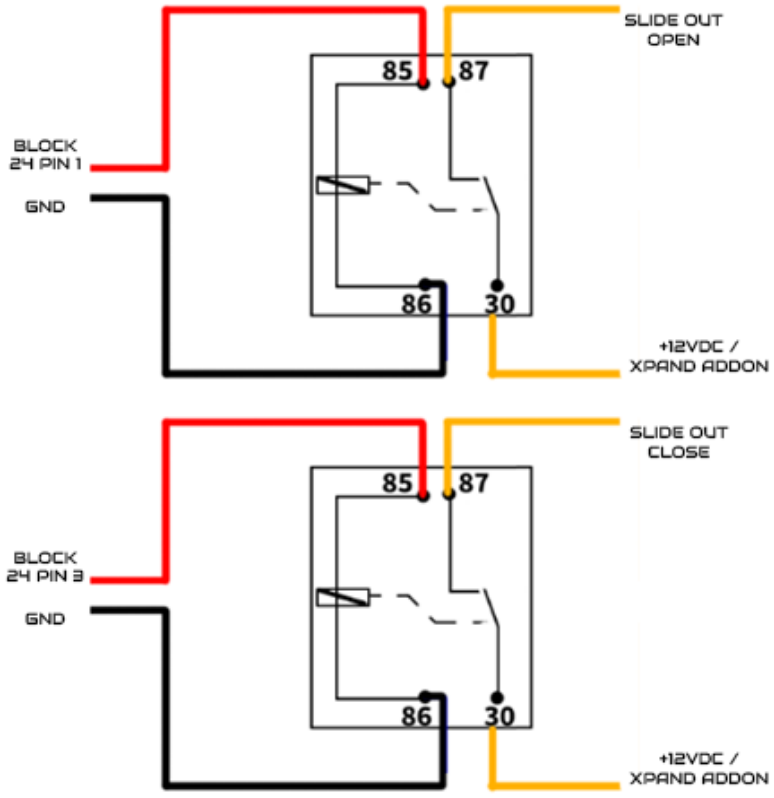
If you want to measure the current consumed from the battery, you must pass the power supply to the relays through the XPAND ADDON expansion.

123.2 CONNECTION:

The connection is made from behind the control unit to block 24 according to the following table. The connector behind the control unit may vary depending on the bed model.

24	1	+12v	OPEN	ACCORDING TO MODEL
	2	GND	MASA	NO USE
	3	+12V	CLOSE	ACCORDING TO MODEL

123.3 CONNECTION DIAGRAM:



CONFIGURATION:

Go to **"Professional Settings"** and in the **"BLOCK 24"** device, select **SLIDEOUT.**

124. SHURFLO WATER PUMPS

MARK: SHURFLO **MODEL:** ALL
CONNECTION: ANALOGUE

124.1 EXPLANATION:

Valid for all shurflo pumps on the market, submersible, in-line or pressure pumps.

124.2 CONNECTION:

Connect the pump directly to Block 22 respecting the polarity engraved on the plate.

BLOCK 22	1	-	NEGATIVE FOOD	BLACK
	2	+	POSITIVE FEEDING	RED

125. PROJECT 2000 LIFT-UP BED

MARK: PROJECT 2000 **MODEL:** BED
CONNECTION: ANALOGUE

125.1 EXPLANATION:

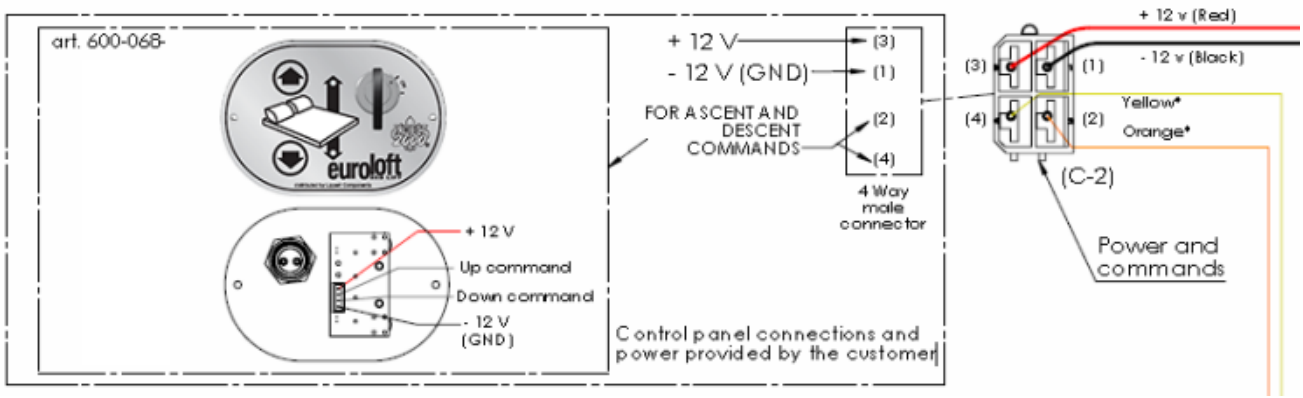
For the operation of the bed, the original control unit will be used as a bridge for maneuvering. This way the bed can be used from the control and from the control unit equally and the safety and limit switches of the bed itself are maintained. This same scheme can be used with any other make and model of bed as long as the same type of control by positive signals is maintained.

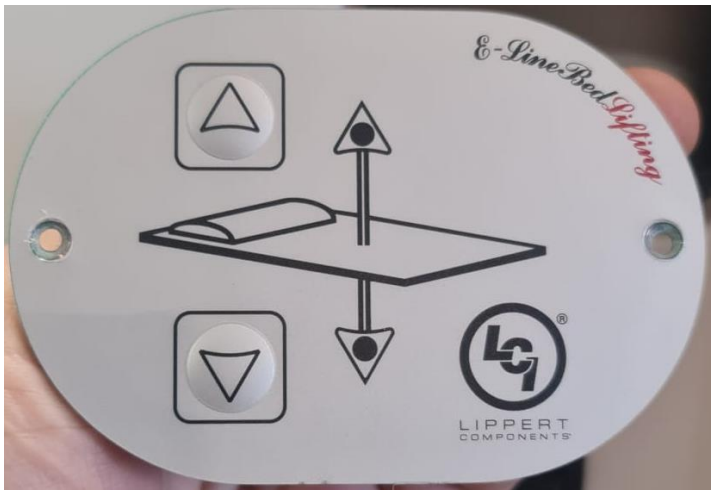
125.2 CONNECTION:

The connection is made from behind the control unit to block 24 according to the following table. The connector behind the control unit may vary depending on the bed model.

24	1	+12v	SUBIR	ORANGE
	2	GND	MASA	NO USE
	3	+12V	DOWNLOAD	YELLOW

125.3 CONNECTION DIAGRAM:





CONFIGURATION:

Go to **"Professional Settings"** and in the **"BLOCK 24"** device, select **BED**

126. SUPERB LITHIUM BATTERY

MARK: SUPERB **MODEL:** LITIO
CONNECTION: ANALOGUE

126.1 CONNECTION:

It is connected directly to the BAT and GND terminals as shown in the installation manual. The Arvikon system calculates the SOC with a proprietary algorithm.

126.2 CONFIGURATION:

Go to **"Professional Settings"** and in the **"BATTERY" menu**, select **SUPER B SOC if you want to have SOC reading or SUPER B if you want to have voltage reading.** To know how the SOC works, see tab 01.

127. TELAIR AIR CONDITIONING

MARK: TELAIR **MODEL:** ALL
CONNECTION: ANALOGUE

127.1 EXPLANATION:

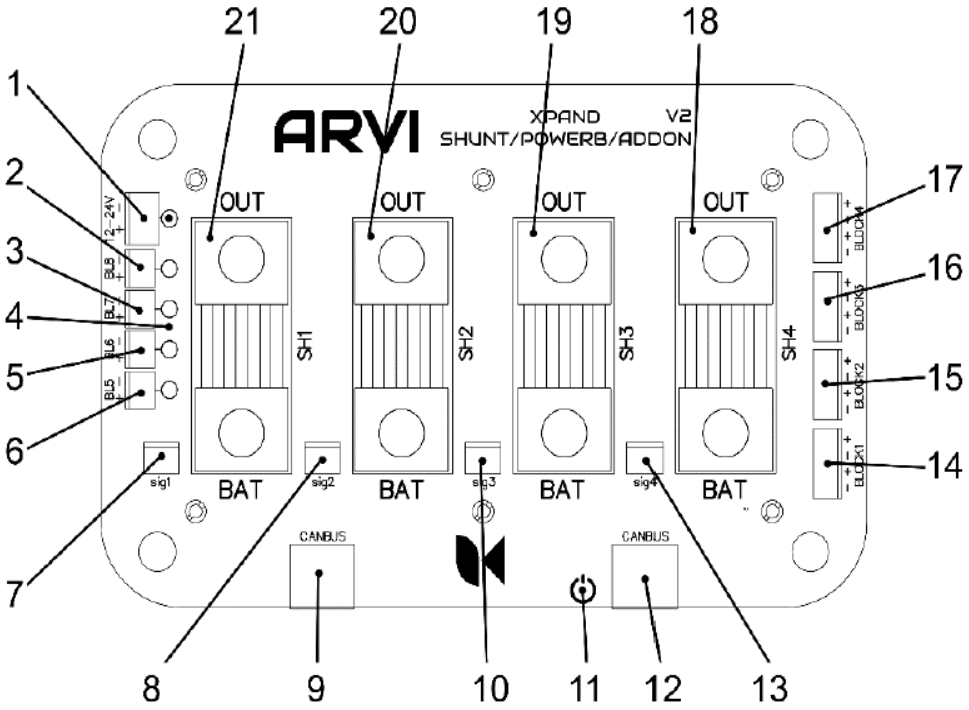
This control is valid for all TELAIR AIR CONDITIONERS.

Starting and reporting of the equipment should always be done from the original controller as Telair has no external control support for this unit.

If the equipment is used in DC through an inverter, in order to have a current reading, it must be passed through the ARVISHUNT board, and if an inverter is used for the AA or a DC Kit is used, the XPAND ADDON expansion must be installed.

127.2 CONNECTION:

The power supply of the Air Conditioner must be connected to the output (OUT) of one of the shunts (18, 19, 20 or 21), and the cable to the battery on the other side of the shunt (BAT). For this you need the XPAND ADDON expansion.



128. VARTA BATTERY

MARK: VARTA **MODEL:** ALL
CONNECTION: ANALOGUE

128.1 CONNECTION:

It is connected directly to the terminals BAT and GND as shown in the installation manual. In case you want to obtain the SOC, the Arvikon system calculates it with its own algorithm.

128.2 CONFIGURATION:

Go to **"Professional Settings"** and in the **"BATTERY"** team, select **VARTA SOC if you want to have SOC reading or VARTA if you want to have voltage reading.** To find out how the SOC works, see tab 01.

129. COMET PUMPS

MARK: COMET **MODEL:** ALL
CONNECTION: ANALOGUE

129.1 EXPLANATION:

Valid for all COMET pumps on the market, submersible, in-line or pressure pumps.

129.2 CONNECTION:

Connect the pump directly to Block 22 respecting the polarity engraved on the plate.

BLOCK 22	1	-	NEGATIVE FOOD	BLACK
	2	+	POSITIVE FEEDING	RED

130. VITRIFRIGO REFRIGERATORS (ALL)

MARK: VITRIFRIGO **MODEL:** ALL
CONNECTION: ANALOGUE

130.1 EXPLANATION:

Valid for all refrigerators of any series of the brand.

130.2 CONNECTION:

Connect the pump directly to Block 26 respecting the polarity engraved on the plate.

BLOCK 26	1	-	NEGATIVE FOOD	BLACK
	2	+	POSITIVE FEEDING	RED

130.3 CONFIGURATION:

Go to **"Professional Settings"** and under **FRIDGE**, select: **VITRIFRIGO ALL**

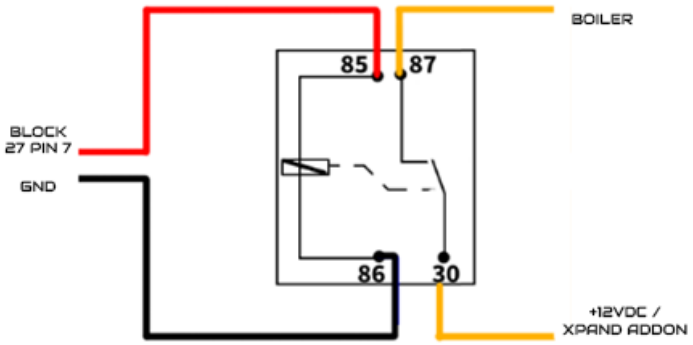
131. ELGENA BOILER (ALL)

MARK: ELGENA **MODEL:** ALL
CONNECTION: ANALOGUE

131.1 EXPLANATION:

This equipment is operated by means of a relay maneuver managed from the output of the arvicore BLOCK 27 PIN7. If you want to be able to read the current consumed in 12V, it must be passed through the ARVIKON XPAND ADDON expansion.

131.2 CONNECTION:



131.3 CONFIGURATION:

Go to **"Professional Settings"** and in **BOILER**, select: **ELGENA ALL**

132. FLOJET WATER PUMPS

MARK: FLOJET **MODEL:** ALL
CONNECTION: ANALOGUE

132.1 EXPLANATION:

Valid for all flojet pumps on the market, submersible, in-line or pressure pumps.

132.2 CONNECTION:

Connect the pump directly to Block 22 respecting the polarity engraved on the plate.

BLOCK 22	1	-	NEGATIVE FOOD	BLACK
	2	+	POSITIVE FEEDING	RED

133. HELLA IBS

MARK: HELLA **MODEL:** ALL
CONNECTION: ANALOGUE

133.1 PENDING FROM THE MANUFACTURER.

134. INOVTECH INVERTER ANALOG

MARK: INOVTECH **MODEL:** ALL
CONNECTION: ANALOGUE

134.1 EXPLANATION:

This equipment must be connected through the ARVISHUNT expansion to monitor the discharge current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and shut down the equipment from its power wiring, you must use BLOCK 5 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the inverter.

134.2 CONNECTION:

134.3 CONFIGURATION:

Go to **"Professional Settings"** and under **INVESTOR**, select: **INOVTECH**

135. INOVTECH ANALOG CHARGER

MARK: INOVTECH **MODEL:** ALL
CONNECTION: ANALOGUE

135.1 EXPLANATION:

If the charger does not exceed 30A, it can be connected directly to the ARVICORE board as shown in the installation manual, otherwise, this equipment must be connected through the ARVISHUNT expansion to monitor the charging current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and turn off the equipment from its power wiring, you must use the BLOCK 6 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive cable of the charger.

135.2 CONNECTION:

135.3 CONFIGURATION:

Go to **"Professional Settings"** and under **LOADER**, select: **INOVTECH**

136. VIESA AIR CONDITIONER

MARK: VIESA **MODEL:** ALL
CONNECTION: ANALOGUE

136.1 EXPLANATION:

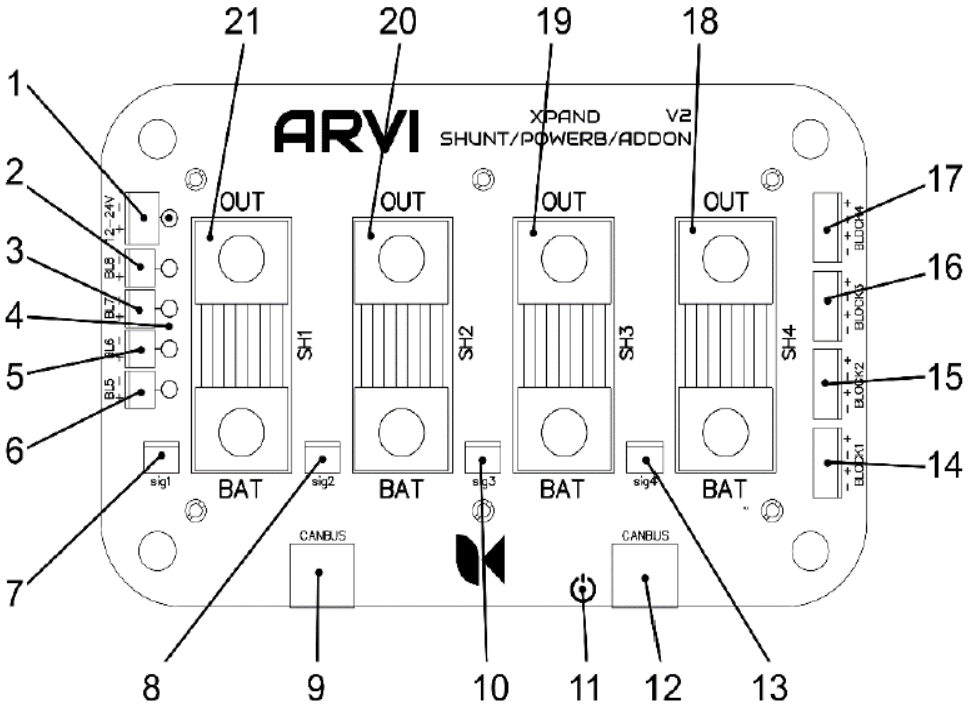
This control is valid for all VIESA AIR CONDITIONERS.

The start-up and information of the equipment must always be done from the original control unit as Viesa does not have external control support for this unit.

If the equipment is used in DC through an inverter, in order to have a current reading, it must be passed through the ARVISHUNT board, and if an inverter is used for the AA or a DC Kit is used, the XPAND ADDON expansion must be installed.

136.2 CONNECTION:

The power supply of the air conditioner must be connected to the output (OUT) of one of the shunts (18, 19, 20 or 21), and the cable to the battery on the other side of the shunt (BAT). For this you need the XPAND ADDON expansion.



137. SCHAUDT INVERTER ANALOG

MARK: SCHAUDT **MODEL:** ALL
CONNECTION: ANALOGUE

137.1 EXPLANATION:

This equipment must be connected through the ARVISHUNT expansion to monitor the discharge current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and shut down the equipment from its power wiring, you must use BLOCK 5 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the inverter.

137.2 CONNECTION:

137.3 CONFIGURATION:

Go to **"Professional Settings"** and under **INVESTOR**, select: **SCHAUDT**

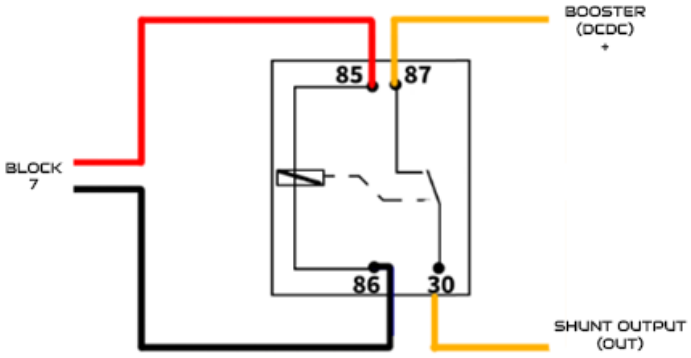
138. SCHAUDT BOOSTER ANALOG

MARK: SCHAUDT **MODEL:** ALL
CONNECTION: ANALOGUE

138.1 EXPLANATION:

If the charger does not exceed 30A, it can be connected directly to the ARVICORE board as shown in the installation manual, otherwise, this equipment must be connected through the ARVISHUNT expansion to monitor the charging current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and turn off the equipment from its power wiring, you must use the BLOCK 7 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the booster.

138.2 CONNECTION:



138.3 CONFIGURATION:

Go to **"Professional Settings"** and under **BOOSTER**, select: **SCHAUDT DC-DC**

139. SCHAUDT ANALOG CHARGER

MARK: SCHAUDT **MODEL:** ALL
CONNECTION: ANALOGUE

139.1 EXPLANATION:

If the charger does not exceed 30A, it can be connected directly to the ARVICORE board as shown in the installation manual, otherwise, this equipment must be connected through the ARVISHUNT expansion to monitor the charging current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and turn off the equipment from its power wiring, you must use the BLOCK 6 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive cable of the charger.

139.2 CONNECTION:

139.3 CONFIGURATION:

Go to **"Professional Settings"** and under **LOADER**, select: **SCHAUDT**

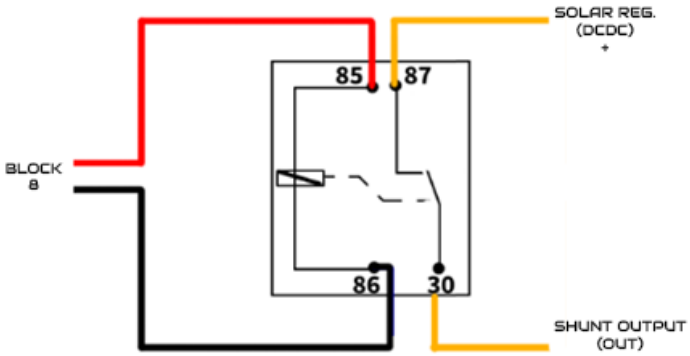
140. SCHAUDT REG. SOLAR ANALOG

MARK: CARBEST **MODEL:** ALL
CONNECTION: ANALOGUE

140.1 EXPLANATION:

If the charger does not exceed 30A, it can be connected directly to the ARVICORE board as shown in the installation manual, otherwise, this equipment must be connected through the ARVISHUNT expansion to monitor the charging current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and turn off the equipment from its power wiring, you must use the BLOCK 8 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the solar controller.

140.2 CONNECTION:



140.3 CONFIGURATION:

Go to **"Professional Settings"** and under **REG. SOLAR**, select: **SCHAUDT**

141. SCHAUDT BOOSTER SERIES 1 ANALOG

MARK: SCHAUDT **MODEL:** ALL
CONNECTION: ANALOGUE

THIS PRODUCT IS NO LONGER SUPPORTED BY ARVIKON SMART CARAVANING

142. SCHAUDT ANALOG CHARGER

MARK: SCHAUDT **MODEL:** ALL
CONNECTION: ANALOGUE

142.1 EXPLANATION:

If the charger does not exceed 30A, it can be connected directly to the ARVICORE board as shown in the installation manual, otherwise, this equipment must be connected through the ARVISHUNT expansion to monitor the charging current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and turn off the equipment from its power wiring, you must use the BLOCK 6 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive cable of the charger.

142.2 CONNECTION:

142.3 CONFIGURATION:

Go to **"Professional Settings"** and under **LOADER**, select: **SCHAUDT**

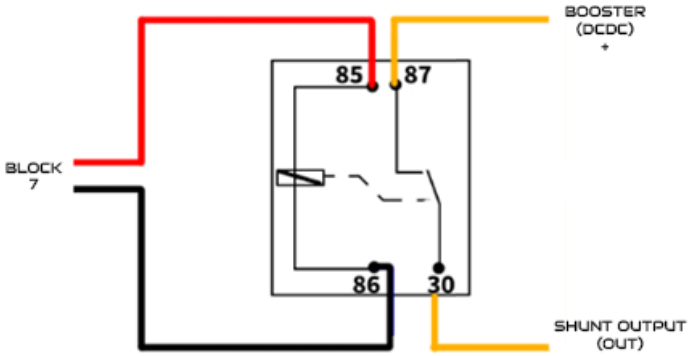
143. NORDELETTRONICA BOOSTER ANALOG

MARK: NORDELETTRONICA **MODEL:** ALL
CONNECTION: ANALOGUE

143.1 EXPLANATION:

If the charger does not exceed 30A, it can be connected directly to the ARVICORE board as shown in the installation manual, otherwise, this equipment must be connected through the ARVISHUNT expansion to monitor the charging current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and turn off the equipment from its power wiring, you must use the BLOCK 7 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the booster.

143.2 CONNECTION:



143.3 CONFIGURATION:

Go to **"Professional Settings"** and under **BOOSTER**, select: **NORDELETTRONICA DC-DC**

144. NORDELETTRONICA ANALOG CHARGER

MARK: NORDELETTRONICA **MODEL:** ALL
CONNECTION: ANALOGUE

144.1 EXPLANATION:

If the charger does not exceed 30A, it can be connected directly to the ARVICORE board as shown in the installation manual, otherwise, this equipment must be connected through the ARVISHUNT expansion to monitor the charging current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and turn off the equipment from its power wiring, you must use the BLOCK 6 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive cable of the charger.

144.2 CONNECTION:

144.3 CONFIGURATION:

Go to **"Professional Settings"** and under **LOADER**, select: **NORDELETTRONICA**

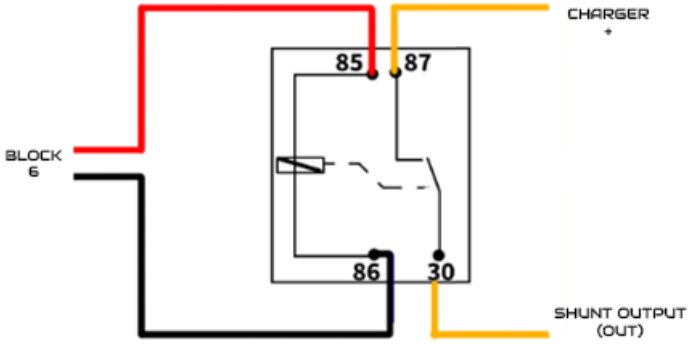
145. CBE ANALOG CHARGER

MARK: CBE **MODEL:** ALL
CONNECTION: ANALOGUE

145.1 EXPLANATION:

If the charger does not exceed 30A, it can be connected directly to the ARVICORE board as shown in the installation manual, otherwise, this equipment must be connected through the ARVISHUNT expansion to monitor the charging current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and turn off the equipment from its power wiring, you must use the BLOCK 6 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive cable of the charger.

145.2 CONNECTION:



145.3 CONFIGURATION:

Go to **"Professional Settings"** and under **LOADER**, select: **CBE**

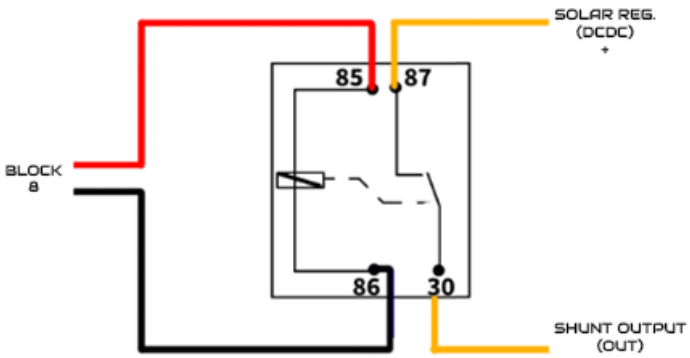
146. CBE REG. SOLAR

MARK: CBE **MODEL:** ALL
CONNECTION: ANALOGUE

146.1 EXPLANATION:

If the charger does not exceed 30A, it can be connected directly to the ARVICORE board as shown in the installation manual, otherwise, this equipment must be connected through the ARVISHUNT expansion to monitor the charging current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and turn off the equipment from its power wiring, you must use the BLOCK 8 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive wire of the solar controller.

146.2 CONNECTION:



146.3 CONFIGURATION:

Go to **"Professional Settings"** and under **REG. SOLAR**, select: **CBE**

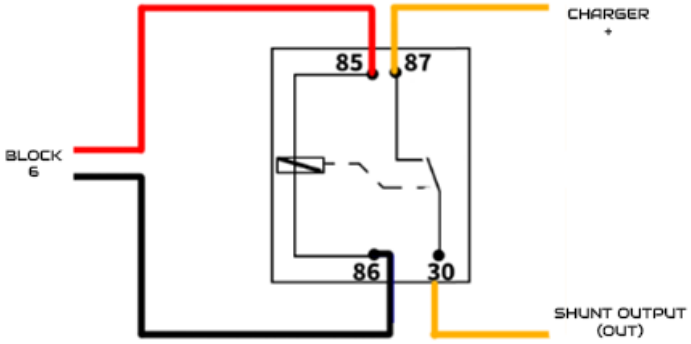
147. CTEK ANALOG CHARGER

MARK: CTEK **MODEL:** ALL
CONNECTION: ANALOGUE

147.1 EXPLANATION:

If the charger does not exceed 30A, it can be connected directly to the ARVICORE board as shown in the installation manual, otherwise, this equipment must be connected through the ARVISHUNT expansion to monitor the charging current according to the manual: XPAND ARVISHUNT if you also want to be able to cut the output and turn off the equipment from its power wiring, you must use the BLOCK 6 of the ARVISHUNT expansion to drive a relay of the appropriate power to cut the positive cable of the charger.

147.2 CONNECTION:



147.3 CONFIGURATION:

Go to **"Professional Settings"** and under **LOADER**, select: **CTEK**

148. ALKO MOVER (ALL)

MARK: ALKO **MODEL:** ALL
CONNECTION: ANALOGUE

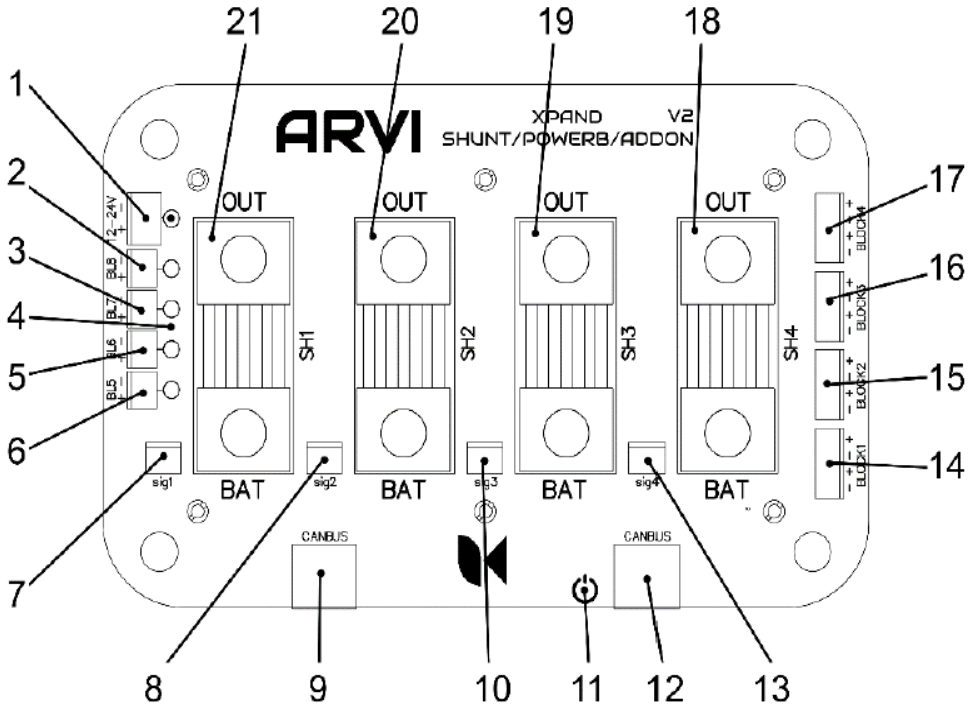
148.1 EXPLANATION:

This control is valid for all ALKO movers as long as they are powered from the same service battery as the rest of the house. This allows us to see the consumption of the Mover on the Arvikon display and also to count the consumption of the Mover for the SOC.

If a separate battery is to be used, this should not be connected to the Arvikon environment.

148.2 CONNECTION:

The power supply of the MOVER module must be connected to the output (OUT) of one of the shunts (18, 19, 20 or 21), and the cable to the battery on the other side of the shunt (BAT). For this you need the XPAND ADDON expansion.



149. ENDURO MOVER (ALL)

MARK: ENDURO **MODEL:** ALL
CONNECTION: ANALOGUE

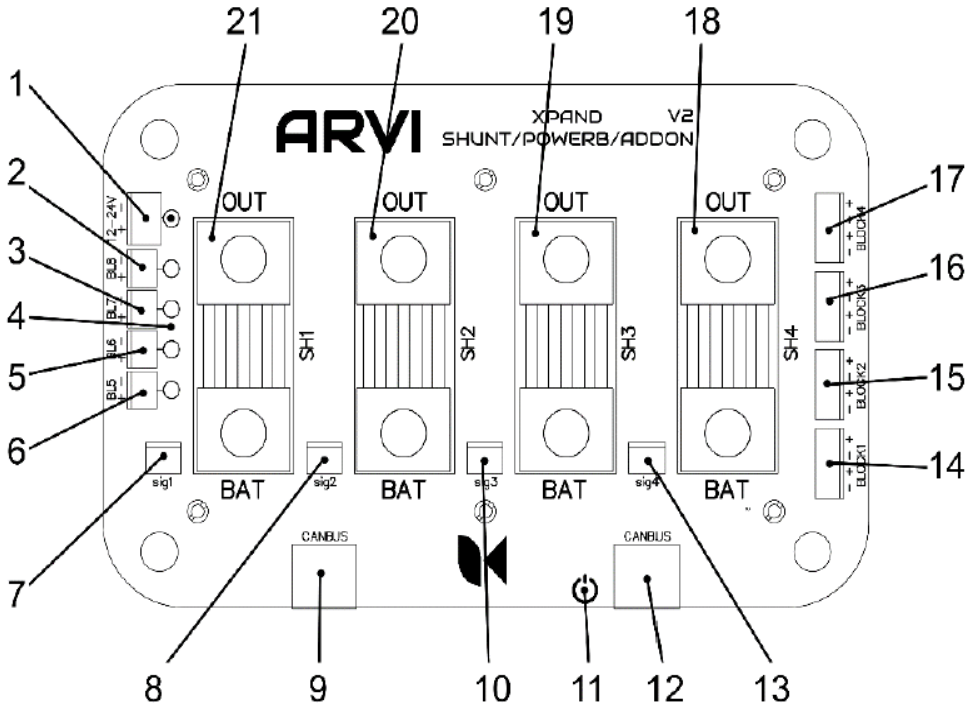
149.1 EXPLANATION:

This control is valid for all ENDURO movers as long as they are powered from the same service battery as the rest of the house. This allows us to see the consumption of the Mover in the Arvikon display and also to count the consumption of the Mover for the SOC.

If a separate battery is to be used, this should not be connected to the Arvikon environment.

149.2 CONNECTION:

The power supply of the MOVER module must be connected to the output (OUT) of one of the shunts (18, 19, 20 or 21), and the cable to the battery on the other side of the shunt (BAT). For this you need the XPAND ADDON expansion.



150. RELION LITHIUM BATTERY

MARK: RELION **MODEL:** LITIO
CONNECTION: ANALOGUE

150.1 CONNECTION:

It is connected directly to the BAT and GND terminals as shown in the installation manual. The Arvikon system calculates the SOC with a proprietary algorithm.

150.2 CONFIGURATION:

Go to **"Professional Settings"** and in the **"BATTERY" menu**, select **SOC RELION if you want to have SOC reading or RELION if you want to have voltage reading.** To find out how SOC works, see tab 01.

151. MEGASAT SMART TV

MARK: MEGASAT **MODEL:** SMART TV
CONNECTION: ANALOGUE

151.1 EXPLANATION:

For Smart TVs, you have two options:

3- If your TV allows it, install the APK that you can download from the playstore and access your vehicle.
4- Access your vehicle via the WEB version and save the shortcut.

151.2 CONNECTION:

Connect the TV power supply to the AUX terminal to monitor the consumption and to be able to always turn it off with a button.

152. DYNAVIN AUTORADIO

MARK: DYNAVIN **MODEL:** ALL WITH ANDROI AND WIFI

CONNECTION: ANALOGUE

152.1 EXPLANATION:

For Autoradios, you have three options:

1- If your RADIO allows it, install the APK that you can download from the playstore and access your vehicle.
2- Install the APK from an external USB
3- Access your vehicle via the WEB version and save the shortcut.

153. GARMIN GPS NAVIGATOR

MARK: GARMIN **MODEL:** OVERLANDER
CONNECTION: ANALOGUE

153.1 EXPLANATION:

For this browser you have 2 options:

1- If your NAVIGATOR allows it, install the APK that you can download from the playstore and access your vehicle.
2- Install the APK from an external USB

154. THULE TURBOVENT

MARK: THULE **MODEL:** ALL
CONNECTION: ANALOGUE

154.1 EXPLANATION:

Valid for all extractors and skylights of any series of the brand.

154.2 CONNECTION:

Connect the positive cable to the AUX terminal of the ARVICORE control unit to be able to monitor consumption and disconnect it remotely or in-situ by simply switching off the 12V output.

155. MAXX FAN DELUXE

MARK: MAXFANN **MODEL:** ALL
CONNECTION: ANALOGUE

155.1 EXPLANATION:

Valid for all extractors and skylights of any series of the brand.

155.2 CONNECTION:

Connect the positive cable to the AUX terminal of the ARVICORE control unit to be able to monitor consumption and disconnect it remotely or in-situ by simply switching off the 12V output.

156. FIAMMA TURBOVENT

MARK: FIAMMA **MODEL:** ALL
CONNECTION: ANALOGUE

156.1 EXPLANATION:

Valid for all extractors and skylights of any series of the brand.

156.2 CONNECTION:

Connect the positive cable to the AUX terminal of the ARVICORE control unit to be able to monitor consumption and disconnect it remotely or in-situ by simply switching off the 12V output.

157. FIAMMA PUMPS

MARK: FIAMMA **MODEL:** ALL
CONNECTION: ANALOGUE

157.1 EXPLANATION:

Valid for all FIAMMA pumps on the market, submersible, in-line or pressure pumps.

157.2 CONNECTION:

Connect the pump directly to Block 22 respecting the polarity engraved on the plate.

BLOCK 22	1	-	NEGATIVE FOOD	BLACK
	2	+	POSITIVE FEEDING	RED

158. REMIS CLARABOYA LINBUS/CIBUS

MARK: F301-C **MODEL:** ALL
CONNECTION: LIN/CIBUS

158.1 EXPLANATION:

It allows to open and close the skylight, to automatically set the privacy position, the glass position, to lift from the front, to lift from the back, etc...

158.2 CONNECTION:

Product out of catalog.

THIS PRODUCT IS NO LONGER SUPPORTED BY ARVIKON SMART CARAVANING

159. LILIE PUMPS WATER

MARK: LILIE **MODEL:** ALL
CONNECTION: ANALOGUE

159.1 EXPLANATION:

Valid for all LILIE pumps on the market, submersible, in-line or pressure pumps.

159.2 CONNECTION:

Connect the pump directly to Block 22 respecting the polarity engraved on the plate.

BLOCK 22	1	-	NEGATIVE FOOD	BLACK
	2	+	POSITIVE FEEDING	RED

160. LILIE DRAIN VALVE (H-BRIDGE)

MARK: LILIE **MODEL:** 2 THREADS
CONNECTION: ANALOGUE

160.1 EXPLANATION:

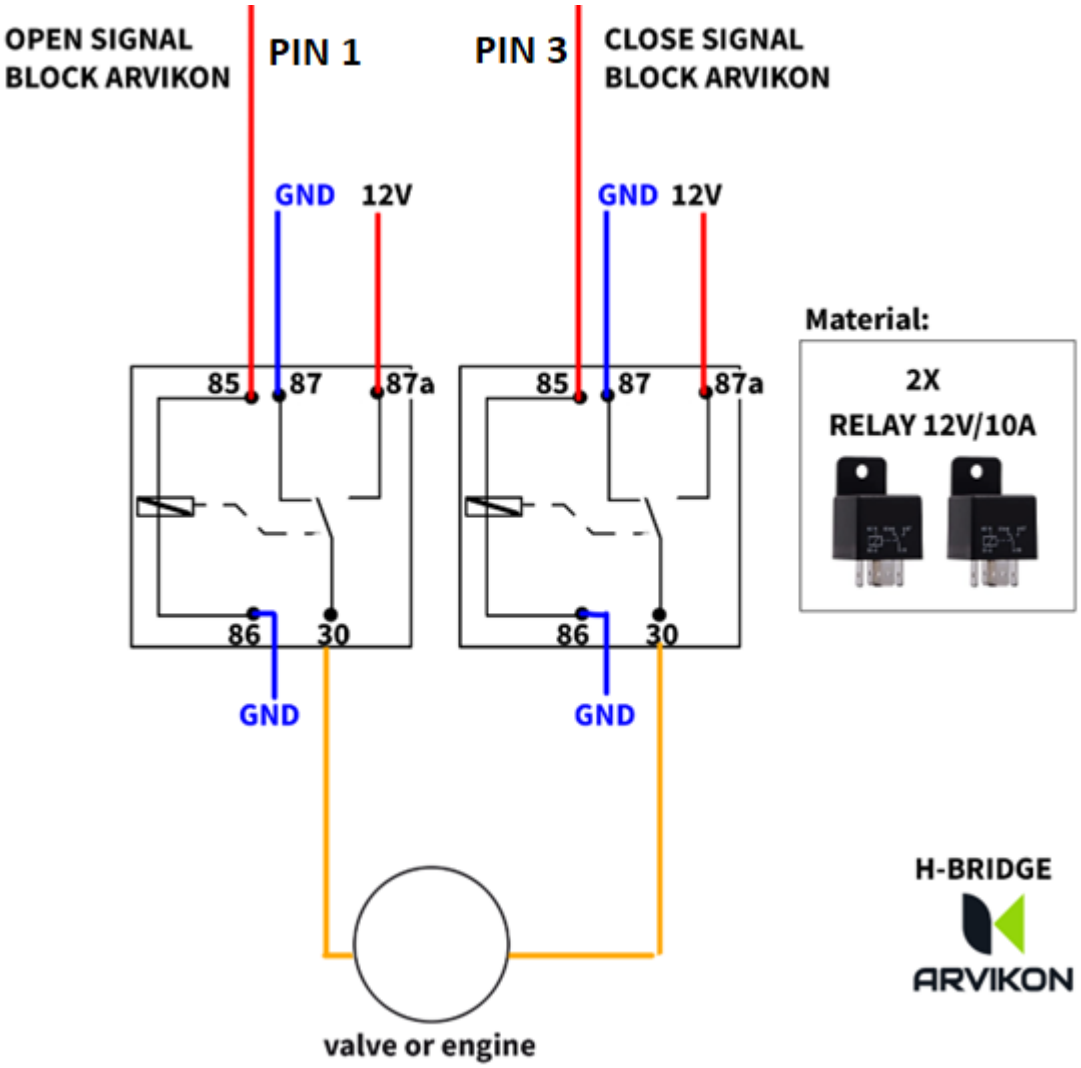
If a 2-wire drain valve (reverse polarity) is used, it must be installed with an H jumper (in case of using a 3-wire valve, see the generic installation manual).

The signals of pins 1 and 3 of Arvikon are used to drive the relays of the H-bridge to be installed according to the diagram below. 12V are direct from battery or AUX terminal of ARVICORE.

160.2 CONNECTION:

23	1	+12v	OPEN	COLOR ACCORDING TO BRAND
	2	GND	MASA	COLOR ACCORDING TO BRAND
	3	+12V	CLOSE	COLOR ACCORDING TO BRAND

160.3 CONNECTION DIAGRAM:


OPEN SIGNAL
BLOCK ARVIKON
PIN 1
PIN 3
CLOSE SIGNAL
BLOCK ARVIKON
GND
12V
GND
12V
Material:
2X
RELAY 12V/10A
85
87
87a
85
87
87a
86
30
86
30
GND
GND
H-BRIDGE
ARVIKON
valve or engine

161. SOG

MARK: SOG **MODEL:** ALL
CONNECTION: ANALOGUE

161.1 EXPLANATION:

Valid for all sog extractors of any series of the brand.

161.2 CONNECTION:

Connect the positive cable to the AUX terminal of the ARVICORE control unit to be able to monitor consumption and disconnect it remotely or in-situ by simply switching off the 12V output.

162. CAN KITCHENS

MARK: CAN **MODEL:** ALL
CONNECTION: ANALOGUE

162.1 EXPLANATION:

Valid for all kitchens of any series of the brand.

162.2 CONNECTION:

Connect the piezoelectric cables to Block 20 PIN 1 and 2

BLOCK 20	1	+	POSITIVE FEEDING	RED
	2	-	NEGATIVE FOOD	BLACK
	3	+	NO USE	NO USE

163. DYNACOOK KITCHENS

MARK: DYNACOOK **MODEL:** ALL
CONNECTION: ANALOGUE

163.1 EXPLANATION:

Valid for all kitchens of any series of the brand.

163.2 CONNECTION:

Connect the piezoelectric cables to Block 20 PIN 1 and 2

BLOCK 20	1	+	POSITIVE FEEDING	RED
	2	-	NEGATIVE FOOD	BLACK
	3	+	NO USE	NO USE

164. HONDA GENERATOR

MARK: HONDA **MODEL:** ALL
CONNECTION: ANALOGUE

164.1 EXPLANATION:

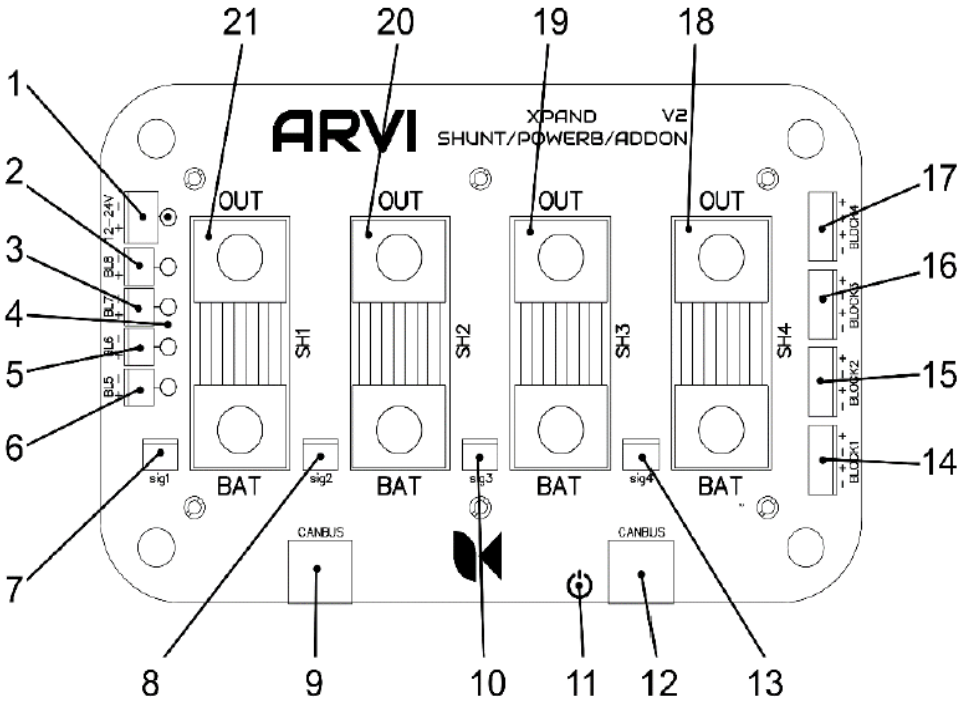
This control is valid for all Honda generators. Starting and reporting of the generator must always be done from the original control as Honda has no external control support for this unit.

From the control unit you can monitor the current load coming from the generator with the ADDON expansion.

If the generator load cannot be read by the Arvikon equipment, the SOC calculation will be out of phase with reality.

164.2 CONNECTION:

The load output of the Generator must be connected to the OUT side of one of the shunts (18, 19, 20 or 21), and the cable to the battery must be connected to the other side of the shunt (BAT). For this you need the XPAND ADDON expansion.



165. OPTIMAL BATTERY

MARK: OPTIMA **MODEL:** ALL
CONNECTION: ANALOGUE

165.1 CONNECTION:

It is connected directly to the terminals BAT and GND as shown in the installation manual. In case you want to obtain the SOC, the Arvikon system calculates it with its own algorithm.

165.2 CONFIGURATION:

Go to **"Professional Settings"** and in the **"BATTERY"** team, select **OPTIMA SOC if you want to have SOC reading or OPTIMA if you want to have voltage reading.** To find out how the SOC works, see tab 01.

166. EXIDE BATTERY

MARK: EXIDE **MODEL:** ALL
CONNECTION: ANALOGUE

166.1 CONNECTION:

It is connected directly to the terminals BAT and GND as shown in the installation manual. In case you want to obtain the SOC, the Arvikon system calculates it with its own algorithm.

166.2 CONFIGURATION:

Go to **"Professional Settings"** and in the **"BATTERY" menu**, select **EXIDE SOC if you want to have SOC reading or EXIDE if you want to have voltage reading.** To find out how SOC works, see tab 01.

167. REIMO LIFTING ROOF SD

MARK: REIMO **MODEL:** ELEVABLE ROOF
CONNECTION: ANALOGUE

167.1 EXPLANATION:

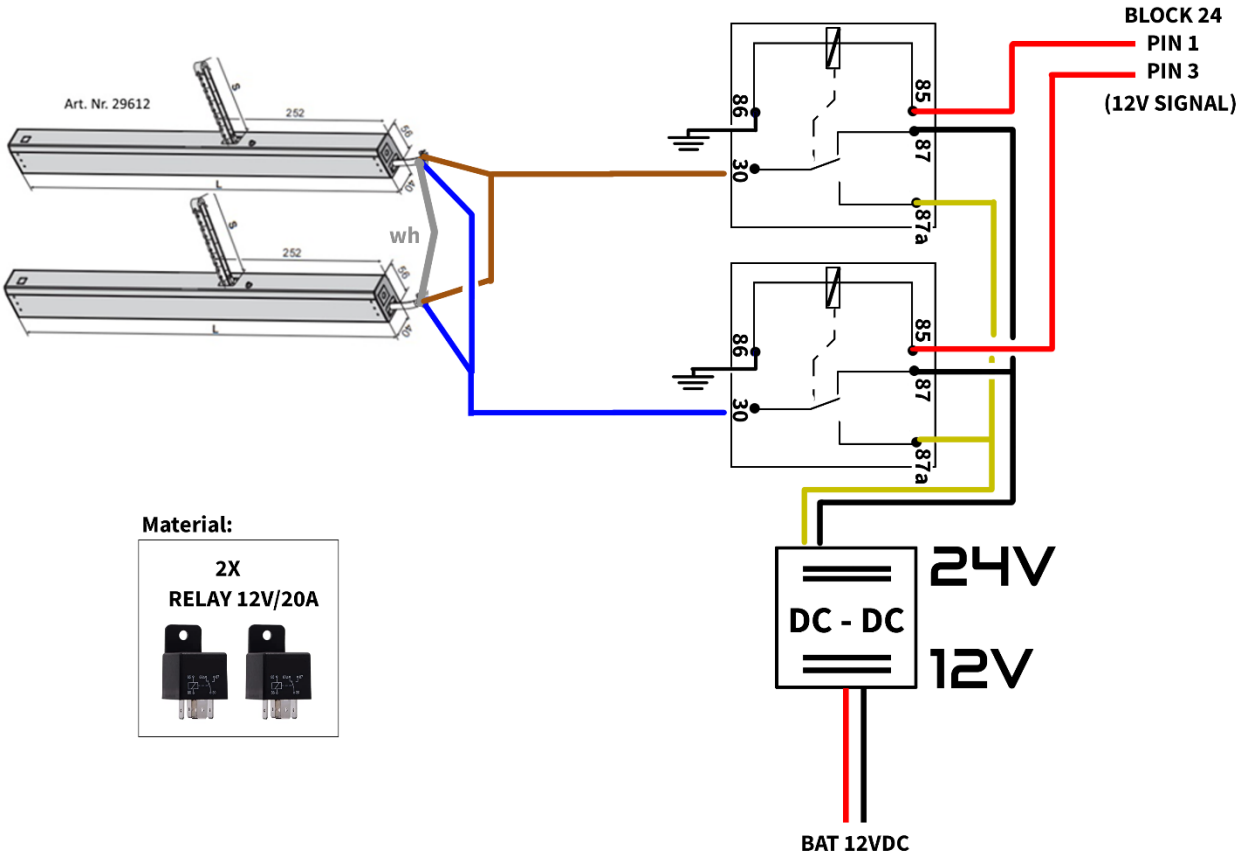
For the roof management, two 12V 20A relays should be used. And the 24V wiring that directly feeds the motors will be managed as it would be done with the Reimo button panel.

167.2 CONNECTION:

The connection is made in block 24 according to the following table.

24	1	+12v	SUBIR	RED
	2	GND	MASA	BLACK
	3	+12V	DOWNLOAD	RED

167.3 CONNECTION DIAGRAM:



The 12-24 DC-DC source is supplied by REIMO in its electrical lifting kit.

The ground of the pads 86, can be taken to PIN 2 of block 24 or to any nearby ground.

ATTENTION: The relays to be used are 12V 20A to be able to activate the coil at 12V from block 24 and manage the 10A at 24V so that the relay is not overloaded.

168. GENERICO - 2-WIRE DRAIN VALVE (H-BRIDGE)

MARK: ANY **MODEL:** 2 THREADS
CONNECTION: ANALOGUE

168.1 EXPLANATION:

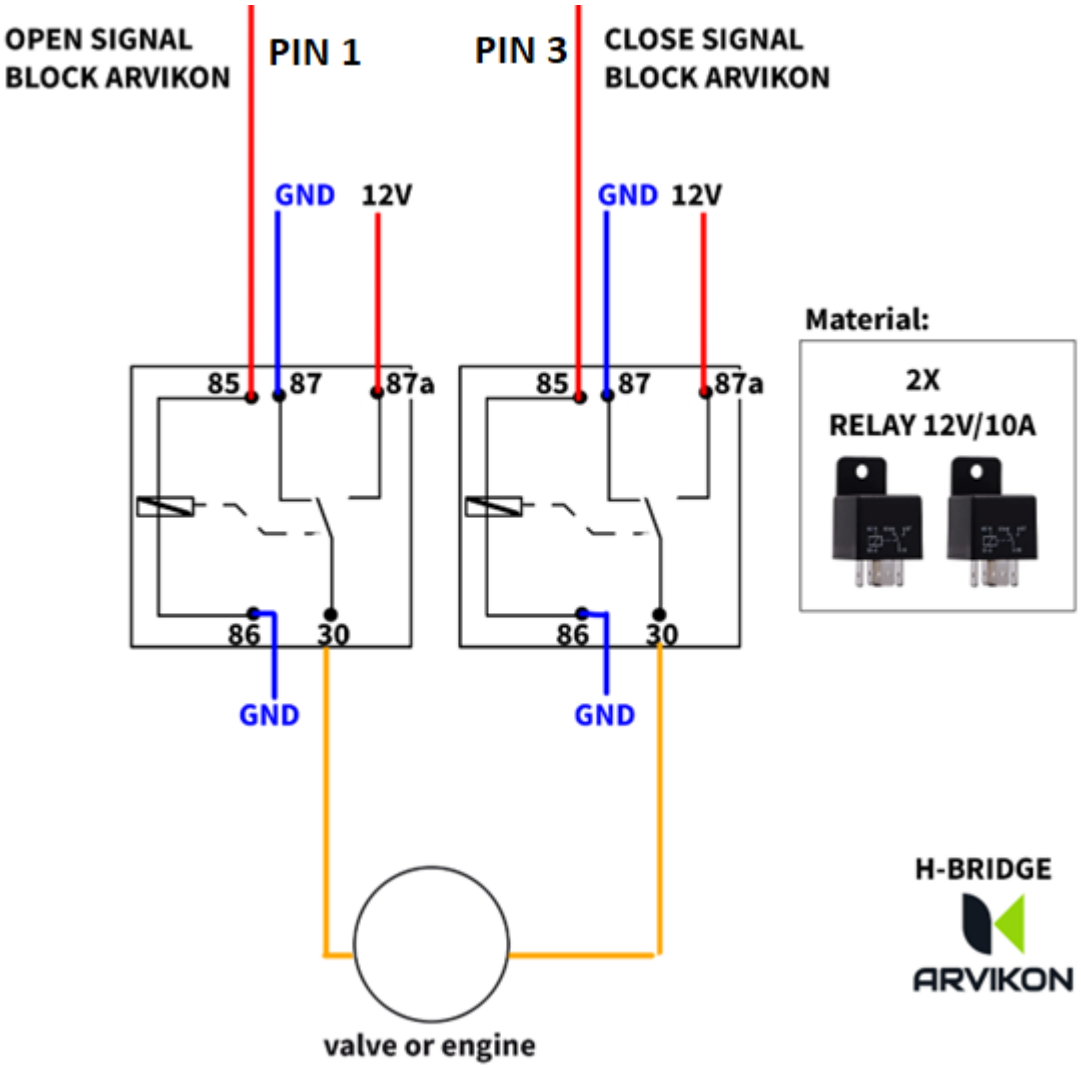
If a 2-wire drain valve (reverse polarity) is used, it must be installed with an H jumper (in case of using a 3-wire valve, see the generic installation manual).

The signals of pins 1 and 3 of Arvikon are used to drive the relays of the H-bridge to be installed according to the diagram below. 12V are direct from battery or AUX terminal of ARVICORE.

168.2 CONNECTION:

23	1	+12v	OPEN	COLOR ACCORDING TO BRAND
	2	GND	MASA	COLOR ACCORDING TO BRAND
	3	+12V	CLOSE	COLOR ACCORDING TO BRAND

168.3 CONNECTION DIAGRAM:


OPEN SIGNAL
BLOCK ARVIKON
PIN 1
PIN 3
CLOSE SIGNAL
BLOCK ARVIKON
GND
12V
GND
12V
85
87
87a
85
87
87a
86
30
86
30
GND
GND
Material:
2X
RELAY 12V/10A
H-BRIDGE
ARVIKON
valve or engine

169. GENERICO - 2-WIRE ELECTRIC MOTOR (H-BRIDGE)

MARK: ANY **MODEL:** 2 THREADS
CONNECTION: ANALOGUE

169.1 EXPLANATION:

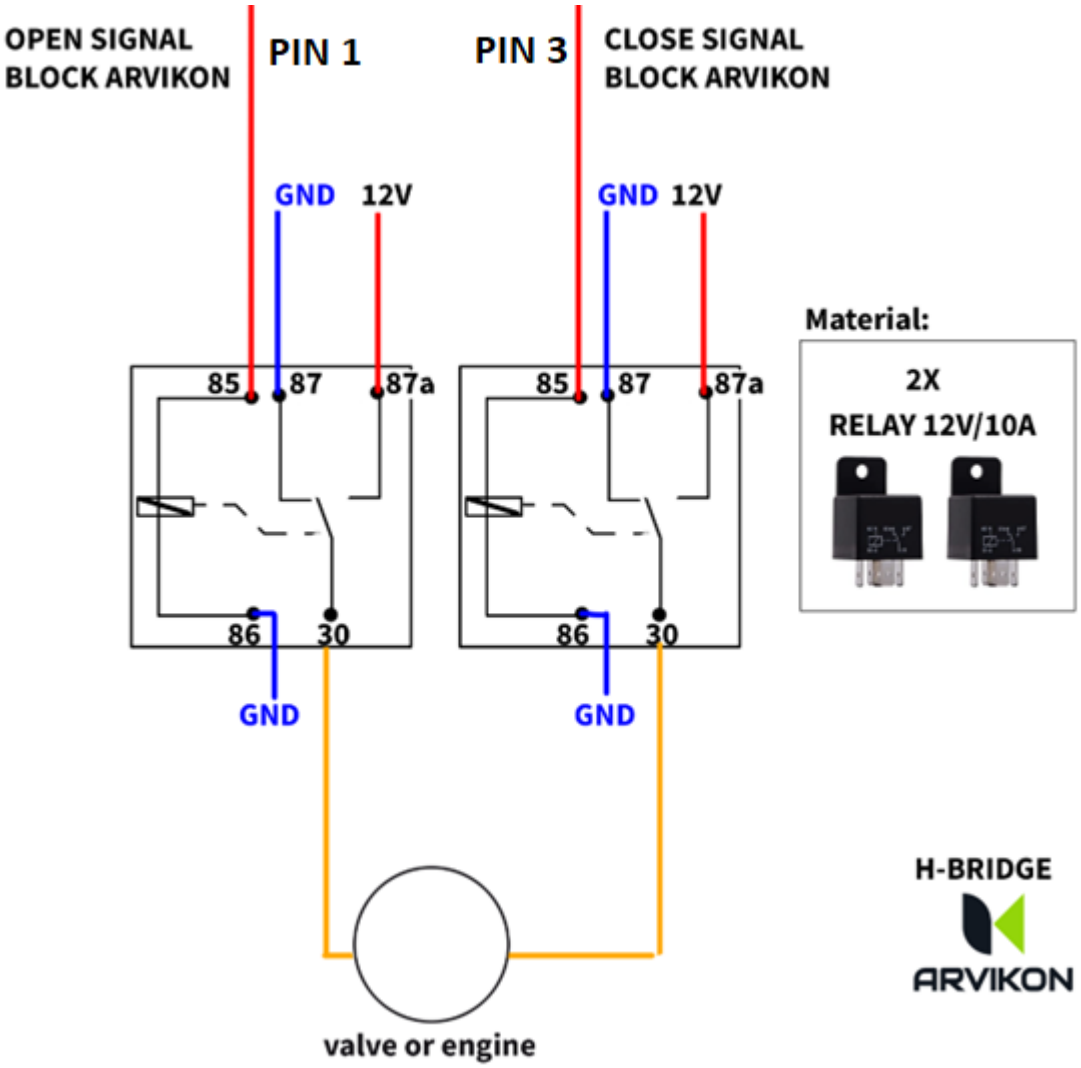
If a 2-wire electric motor (reverse polarity) is used, it must be installed with an H jumper. (In case of using a 3-wire motor, see the generic installation manual)

The signals of pins 1 and 3 of Arvikon are used to drive the relays of the H-bridge to be installed according to the diagram below. 12V are direct from battery or AUX terminal of ARVICORE.

169.2 CONNECTION:

20	1	+12v	OPEN	COLOR ACCORDING TO BRAND
	2	GND	MASA	COLOR ACCORDING TO BRAND
	3	+12V	CLOSE	COLOR ACCORDING TO BRAND

169.3 CONNECTION DIAGRAM:


OPEN SIGNAL
BLOCK ARVIKON
PIN 1
PIN 3
CLOSE SIGNAL
BLOCK ARVIKON
GND
12V
GND
12V
85
87
87a
85
87
87a
86
30
86
30
GND
GND
Material:
2X
RELAY 12V/10A
H-BRIDGE
ARVIKON
valve or engine


ARVIKON
SMART CARAVANING