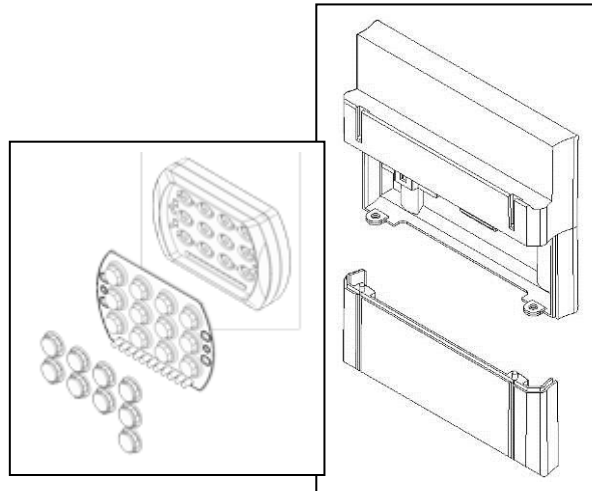




Technical manual Pack CCS8 BASIC Program



SUMMARY

1. DESCRIPTION OF THE BASIC PACK CCS 8 PROGRAM 3
2. ASSEMBLY OF THE CONTROL BOX.....**Erreur ! Signet non défini.**
3. CONFIGURATION SHEET**Erreur ! Signet non défini.**

SERVICE POINTS

MERCURA's technicians intervene everywhere in France and are supported by an approved distributor network exclusively trained for our product's installation and maintenance.

A LARGE RANGE OF SERVICES

The audio and light signalings are necessary to protect people and vehicles on the public road.

They have to be operational at any time. To ensure the proper functioning of our products, MERCURA offers a complete range of services from the equipment's implementation to maintenance.

INSTALLATION

A proper functioning

MAINTENANCE CONTRACT

This contract enables to avoid the product's maintenance constraints during its whole life service. This subscription enables also to budget the maintenance spending.

LONG-TERM WARRANTY

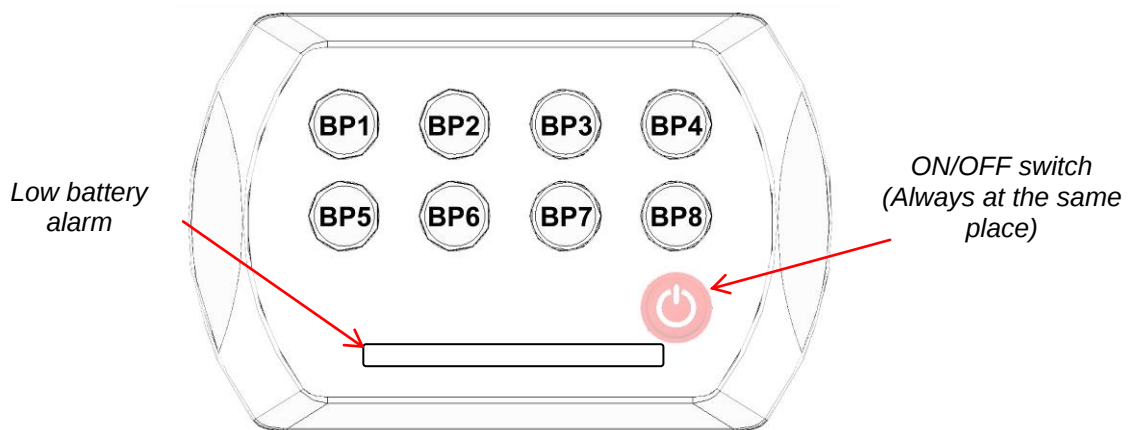
For its whole range, MERCURA offers warranty extensions. For further information, please contact our sales department : 02 54 57 52 52.

1. DESCRIPTION OF THE BASIC PACK CCS 8 PROGRAM

The Pack CCS8 BASIC enables to control 2 outputs of 15A, 6 outputs of 3A including 2 linked with the control output of 100mA. A permanent output of 6A is also available (active as soon as the system is on).

The developed program Pack CCS8 BASIC enables the allocation of one button to one output, without the possibility of a slave command. The system is supplied with a pre-assembled control pad and a set of buttons. The user can therefore adapt the layout of the control panel to the applications required. The buttons available are as follows:

1.1. Pack CCS8 BASIC control box



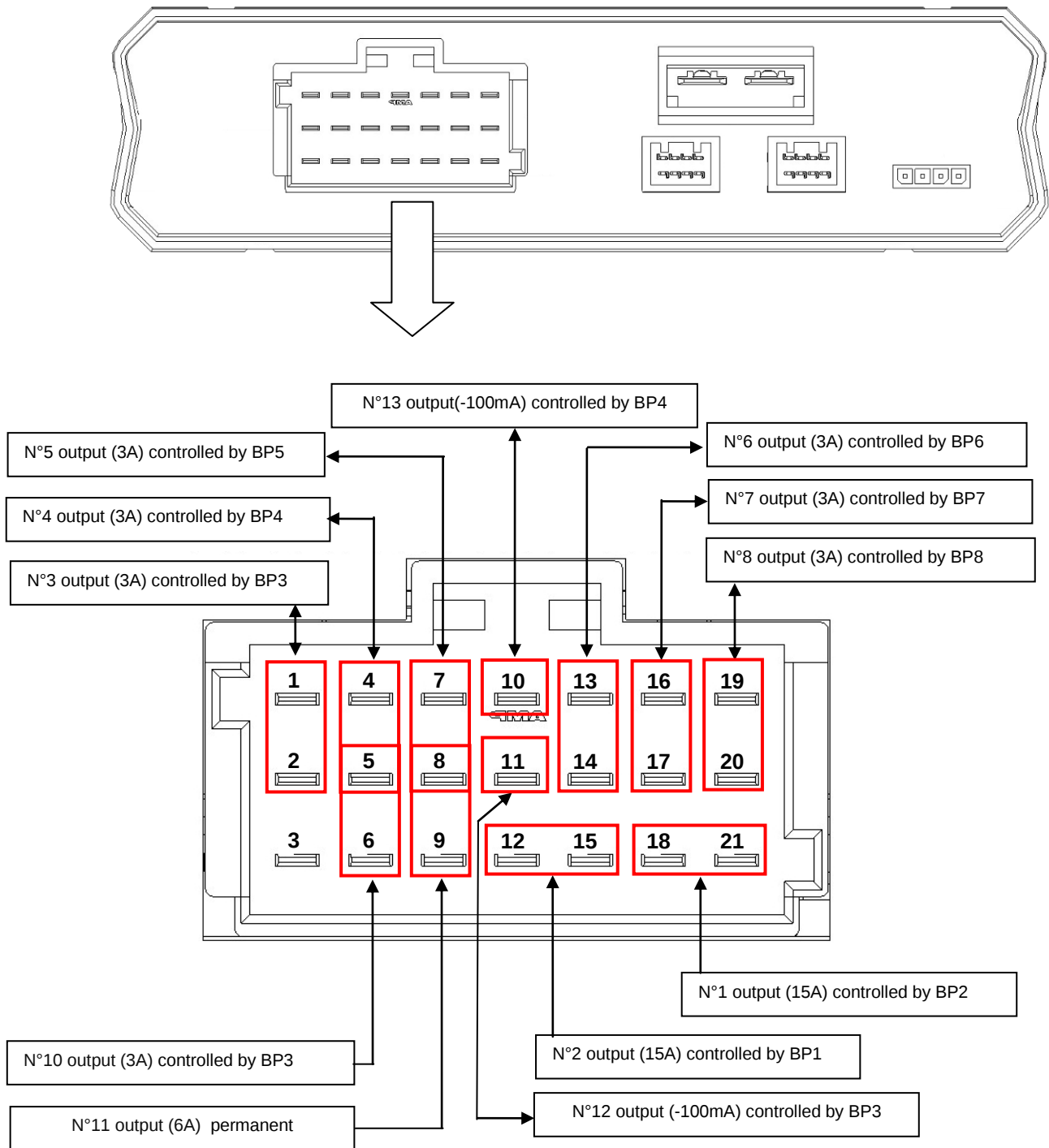
- BP*1, BP2 control 15A-outputs.
- BP3 ; BP4, BP5, BP6, BP7, BP8 control 3A-outputs
- BP3 et BP4 also control 100mA-outputs.

*BP : Button

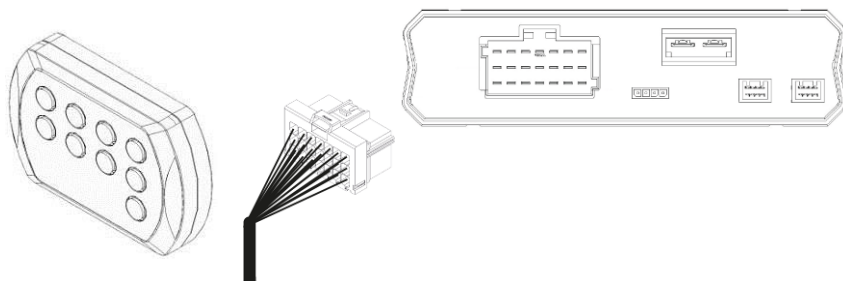
The low battery alarm goes on and flashes when the battery voltage drops at 11.8 volts for 12V-vehicles and 23.6 volts for 24V-vehicles. A bip also turns on to complete the visual warning.

When the voltage drops the critical low battery threshold of 11.5V for 12V and 24V-vehicles, the system automatically goes off in order to preserve the battery's startup potential.

1.2. Pack CCS8 BASIC power unit



1.3.APPLICATION EXAMPLE

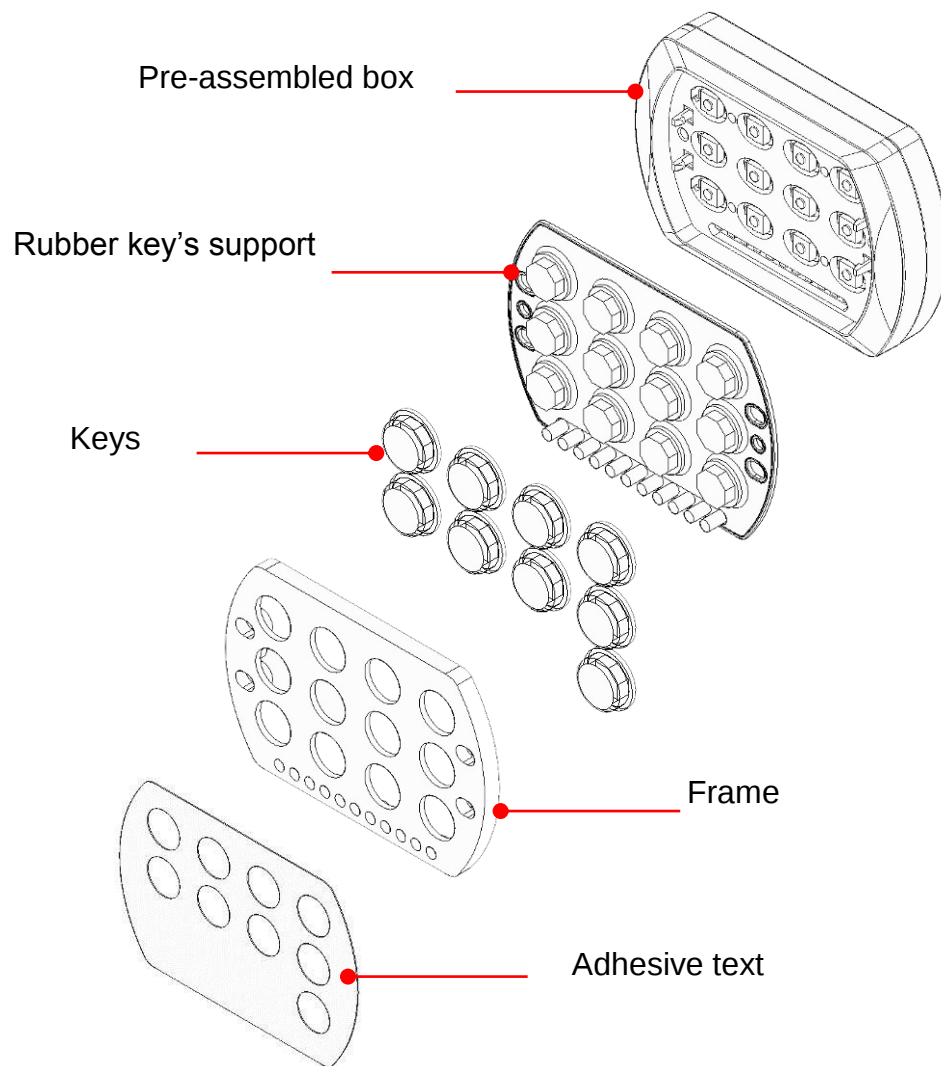


Name of the equipments and
the functions to be linked

BP1	Pin 15>wire 2.5mm ² : 15A + Pin 12>wire 2.5mm ² : 15A -		Siren power module
BP2	Pin 21>wire 2.5mm ² : 15A + Pin 18>wire 2.5mm ² : 15A -		Blue rotating light
	Pin 9>wire 1mm ² : 6A + Pin 8>wire 1mm ² : 6A -		6A Input (> RADIO)
BP3	Pin 1>wire 1mm ² : 3A + Pin 2>wire 1mm ² : 3A -		Auxilliary
BP4	Pin 4>wire 1mm ² : 3A + Pin 5>wire 1mm ² : 3A -		Grill lights
BP5	Pin 7>wire 1mm ² : 3A + Pin 8>wire 1mm ² : 3A -		1 worklight
BP6	Pin 13>wire 1mm ² : 3A + Pin 14>wire 1mm ² : 3A -		2 worklight
BP7	Pin 16>wire 1mm ² : 3A + Pin 17>wire 1mm ² : 3A -		3 worklight
BP8	Pin 19>wire 1mm ² : 3A + Pin 20>wire 1mm ² : 3A -		4 worklight
BP4	Pin 11 mass control >wire 0.5mm ²	X	No use
BP3	Pin 10 mass control > wire 0.5mm ²		SIREN NIGHT

2. ASSEMBLY OF THE CONTROL BOX

2.1. The components



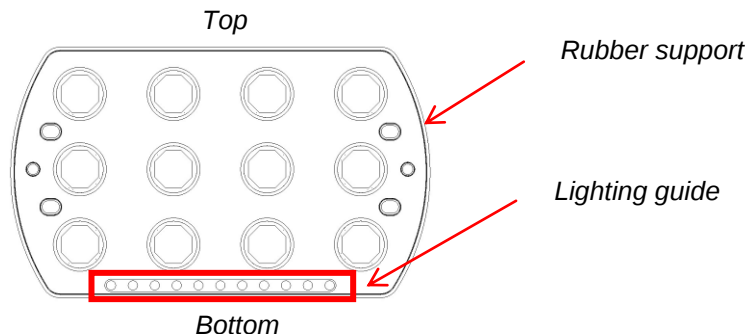
The keys have to be chosen in the keypad delivered with the kit.

2.2. Keys delivered

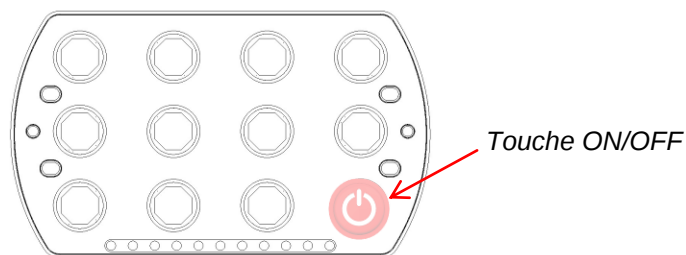
	ON/OFF (Amount:1)		Worklight 1 (Amount:1)
	No use black (Amount:11)		Worklight 2 (Amount:1)
	Arrow (Amount:4)		Worklight 3 (Amount:1)
	Amber rotating lights (Amount:1)		Worklight 4 (Amount:1)
	All color rotating lights (Amount:1)		Worklight 5 (Amount:1)
	Blue rotating lights (Amount:1)		Auxilliary (Amount:1)
	Bisignal (Amount:1)		Auxilliary1 (Amount:1)
	Siren (Amount:1)		Auxilliary2 (Amount:1)
	Lighting (Amount:1)		Auxilliary3 (Amount:1)
	Lighting 1 (Amount:1)		
	Lighting 2 (Amount:1)		
	Triangle (Amount:1)		
	Left scrolling (Amount:1)		
	Right scrolling (Amount:1)		
	Flashing bar (Amount:1)		

2.3. Mounting the buttons on the control panel

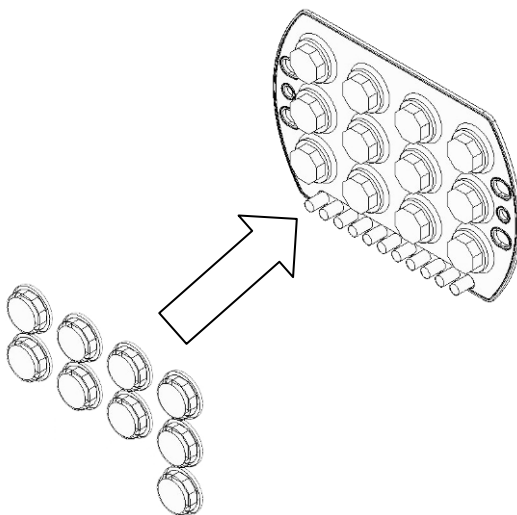
- Select the keys required among the ones delivered
- Identify the location of the keys selected on the rubber key's support.



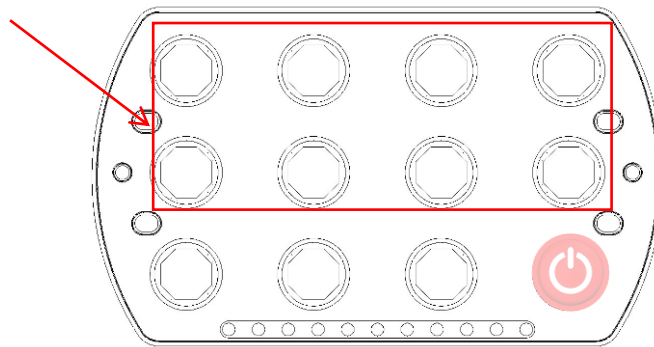
- **WARNING !** The button ON/OFF has to be placed at its proper location (Press well).



- Place the buttons in the required position

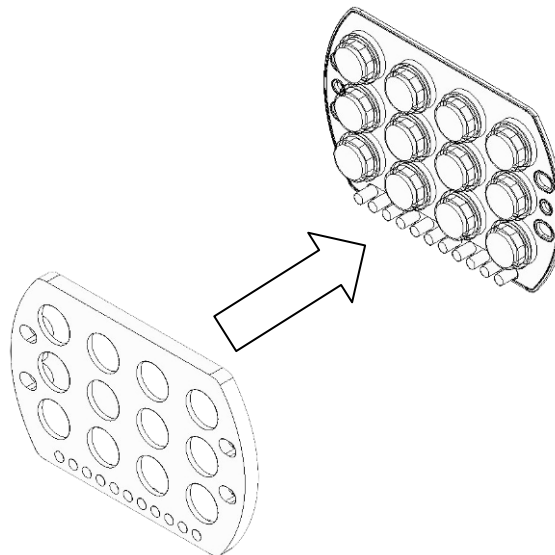


Position of function buttons

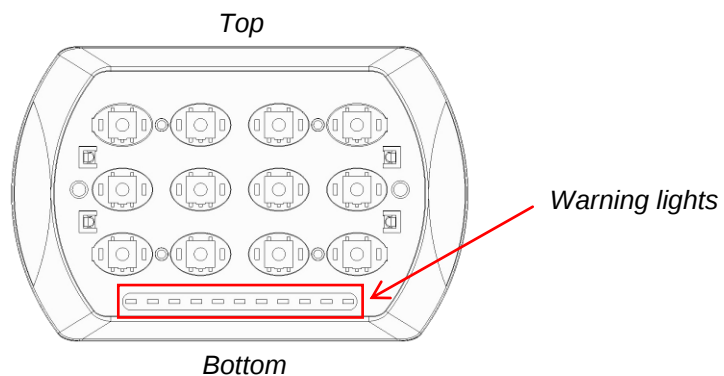


All the positions in the mounting must have buttons. For inactive commands, the black buttons must be used. This enables all the buttons in the control panel to be held in place correctly.

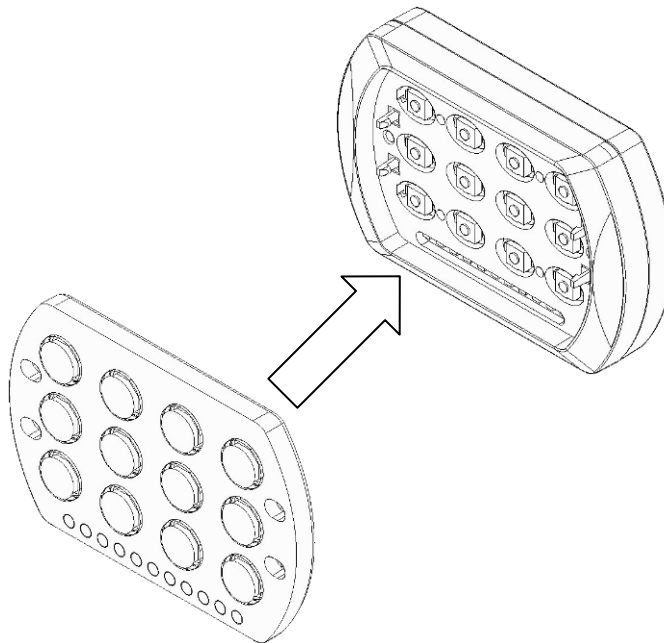
- Place the frame on the mounting holding the buttons



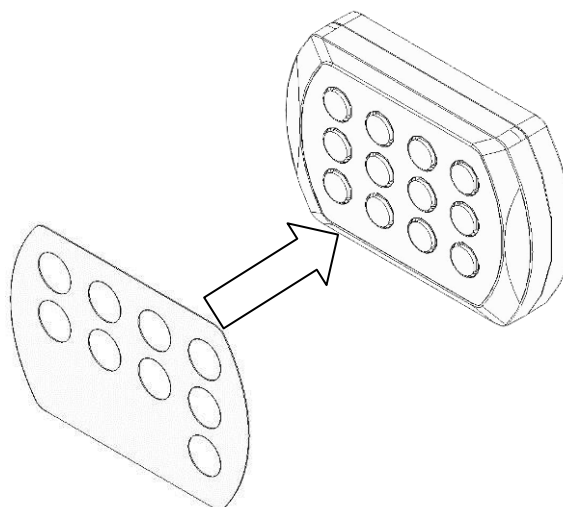
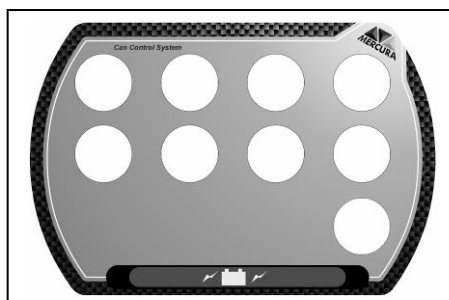
Prepare the pre-assembled panel making sure that the top and bottom have been clearly identified



- Place the frame with buttons onto the pre-assembled panel



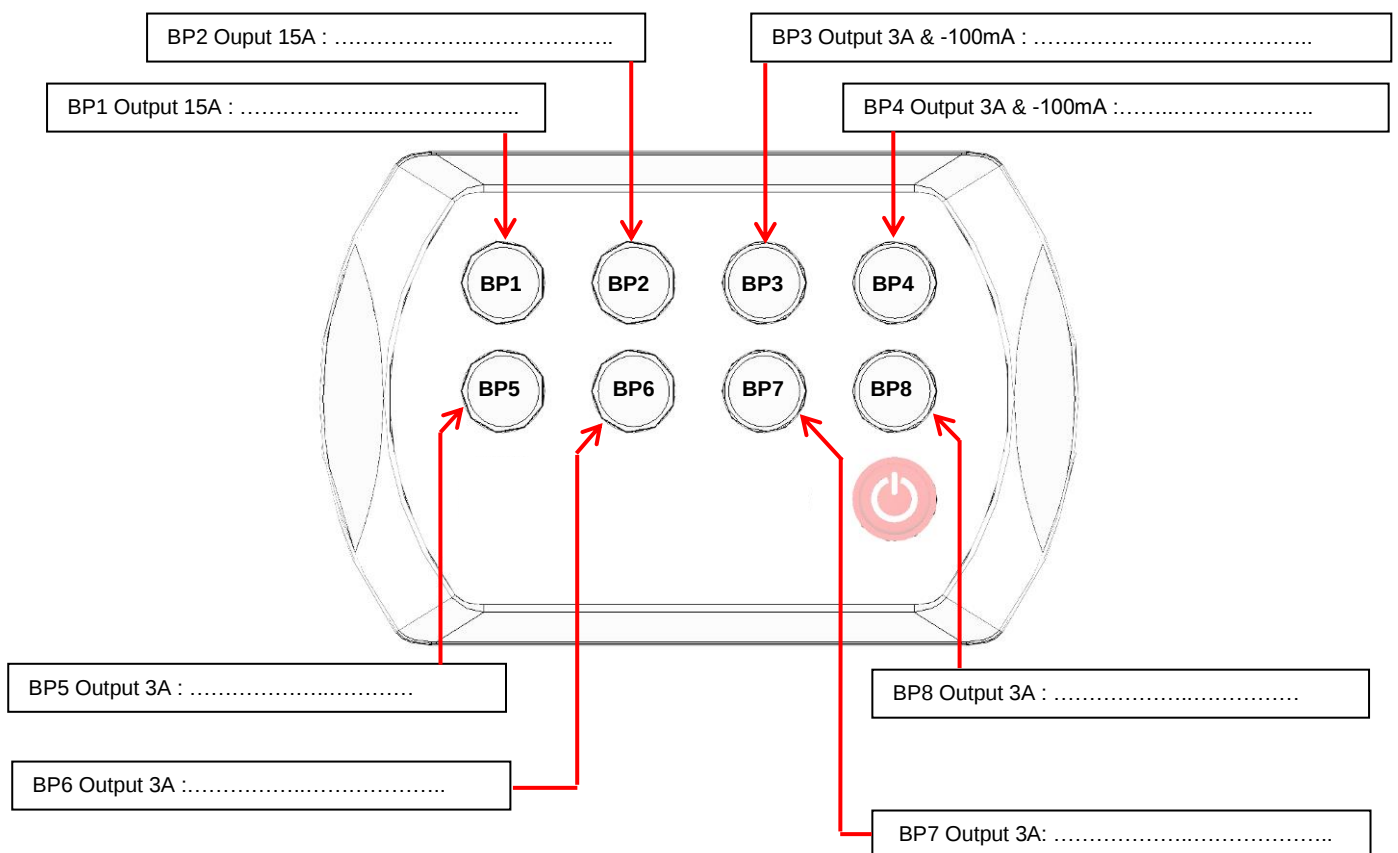
- Peel off the protective covering on the text
- Place the text on the panel.



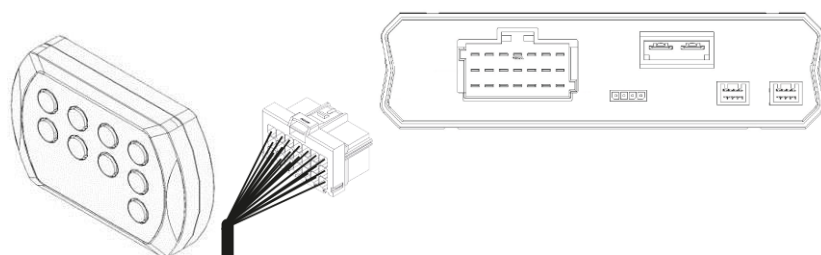
3. PROGRAMMING

In order to help identify the commands, fill in the blanks below the equipment being controlled

3.1. Layout of buttons



3.2. Wiring diagram



Equipment and functions to
be connected

BP1	Broche 15 > fil 2,5 mm ² : 15A	+	.....
	Broche 12 > fil 2,5 mm ² : 15A	-	.....
BP2	Broche 21 > fil 2,5 mm ² : 15A	+	.....
	Broche 18 > fil 2,5 mm ² : 15A	-	.....
	Broche 9 > fil 1mm ² : 6A	+	.....
	Broche 8 > fil 1mm ² : 6A	-	.....
BP3	Broche 1 > fil 1mm ² : 3A	+	.....
	Broche 2 > fil 1mm ² : 3A	-	.....
BP4	Broche 4 > fil 1mm ² : 3A	+	.....
	Broche 5 > fil 1mm ² : 3A	-	.....
BP5	Broche 7 > fil 1mm ² : 3A	+	.....
	Broche 8 > fil 1mm ² : 3A	-	.....
BP6	Broche 13 > fil 1mm ² : 3A	+	.....
	Broche 14 > fil 1mm ² : 3A	-	.....
BP7	Broche 16 > fil 1mm ² : 3A	+	.....
	Broche 17 > fil 1mm ² : 3A	-	.....
BP8	Broche 19 > fil 1mm ² : 3A	+	.....
	Broche 20 > fil 1mm ² : 3A	-	.....
BP4	Broche 11 commande à la masse > fil 0,5mm ²	-	.....
BP3	Broche 10 commande à la masse > fil 0,5mm ²	-	.....