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 Technical Assistance: sac@brustec.com.br

BASIC COMMAND BRUSTEC

This equipment makes it possible to change the color of the RGB LED Reflectors, and to trigger reflectors of the monochrome models.

There is also the option to activate pumps, filters or other equipment via remote control through the relays outputs. The control panel must be dimensioned according to the quantity of LED; table follows with maximum capacity for each BRUSTEC command model:

MODELO DO COMANDO	BALIZER 0,5 W	LED 1 w	LED 3 w	LED 5 w	LED 6 w	LED 9 w	LED 15w	LED 27W
2A	35	18	7	4	3	2	1	-
3A	55	25	9	5	5	4	2	1
6A	100	55	20	11	10	7	4	2
10A	185	95	34	19	18	12	7	4
20A	385	190	67	40	36	24	15	8
29A	565	290	108	60	54	36	22	11

FUNCTIONS

- Brustec control panel has 20 different color matching functions
- Comes with a remote control. Medium range of 30 meters.
- 2 auxiliary outputs with 10A drive (max).

WARRANTY

BRUSTEC equipment is warranted for one year as of the store sale invoice, if installed in accordance with the manual and covering only factory defects that will be evaluated by the company's service department.

NOTE: The remote control battery is guaranteed for 90 days from the date shown on the sales invoice!

HOW TO PROCEED IF THERE IS ANY POTENTIAL DEFECT ON YOUR EQUIPMENT

- Contact the store that sold the equipment, requesting support to find a possible solution or, if a visit on-site of the technician for analysis. If it is not possible to find the cause of the problem, contact the service department in our company and explain the problem so that some tests can be performed to detect the defect.

Telefone para contato: (47) 3350-3770

E-mail: SAC@brustec.com.br

CHANGING REMOTE CONTROL'S FREQUENCY***

POWER ON COMMAND CENTER

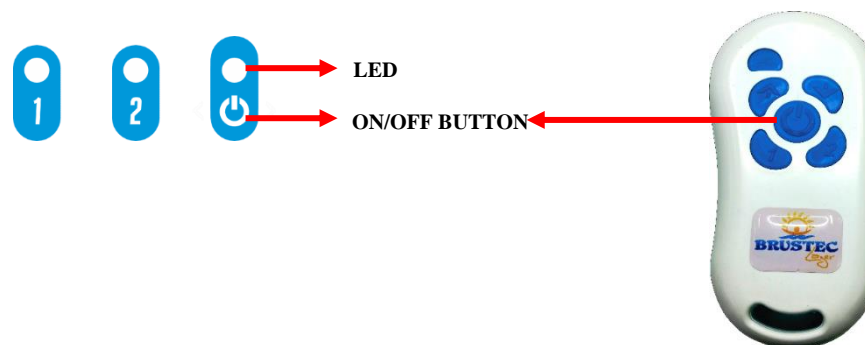
PRESS THE ON/OFF BUTTON FOR 10S, UNTIL THE RED LED FLASHES

PRESS THE ON/OFF BUTTON OF REMOTE CONTROL FOR 10S. RELEASE THE BUTTON AND TEST THE OTHER BUTTONS FUNCTIONS

*****OBS: This procedure is only necessary if there is another command or remote control interfering in your pool.**

YOUR CONTROL IS READY TO USE!

IMAGES OF USED BUTTONS FOR FREQUENCY CHANGE BELOW.



IDENTIFICATION OF BUTTONS

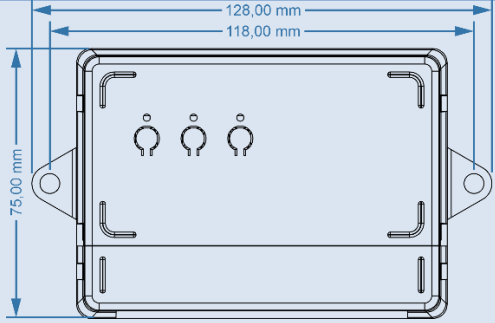


	Turns ON and OFF reflectos, holding it pressed for 3s.
	Advances RGB Effects
	Returns RGB Effects
	Turns On and Off relay 1 output
	Turns On and Off relay 2 output

IMPORTANTE:

- The remote control button (ON/OFF) only turns off the control, and to turn it back on you must use the forward and backward effects buttons.
- With the buttons on the command center, each time you press the button the effect will change and when the previous effect reaches the white color, the reflector will also turn off, and to turn it back on, just press the button again.

TECHNICAL SPECIFICATIONS

DEGREE OF PROTECTION COMMAND	IP40 – Protected against objects larger than 1mm.
DEGREE OF PROTECTION CONTROL	IP66 – Protected Against dust and water jets.
MAX. CAPACITY ACTIVATION AUXILIARY OUTPUTS (RELAY)	8A/220Vac (Resistive load) OU 0,5HP/220Vac (Inductive - Motors)
EQUIPMENT SUPPLY	12Vcc
MAXIMUM POWER TO REFLECTORS	72W
EQUIPMENT DIMENSIONS (MM)	128,00 mm
	118,00 mm
	

IDENTIFICATION OF TERMINALS



12v	Power 12 vdc from Source
0v	Negative 0v from Source
M	Positive for Reflectors – Connect Brown Reflector Wire
R	Negative (Red LED Color) – Connect Orange/Red Reflector Wire
G	Negative (Green LED Color) – Connect Yellow/Green Reflector Wire
B	Negative (Blue LED Color) – Connect Red/Blue Reflector Wire
CM1	Common relay 1 (Input Phase)
NA1	Relay Output 1 (Phase output to motor)
NA2	Relay Output 2 (Phase output to motor)
CM2	Common relay 2 (Input Phase)

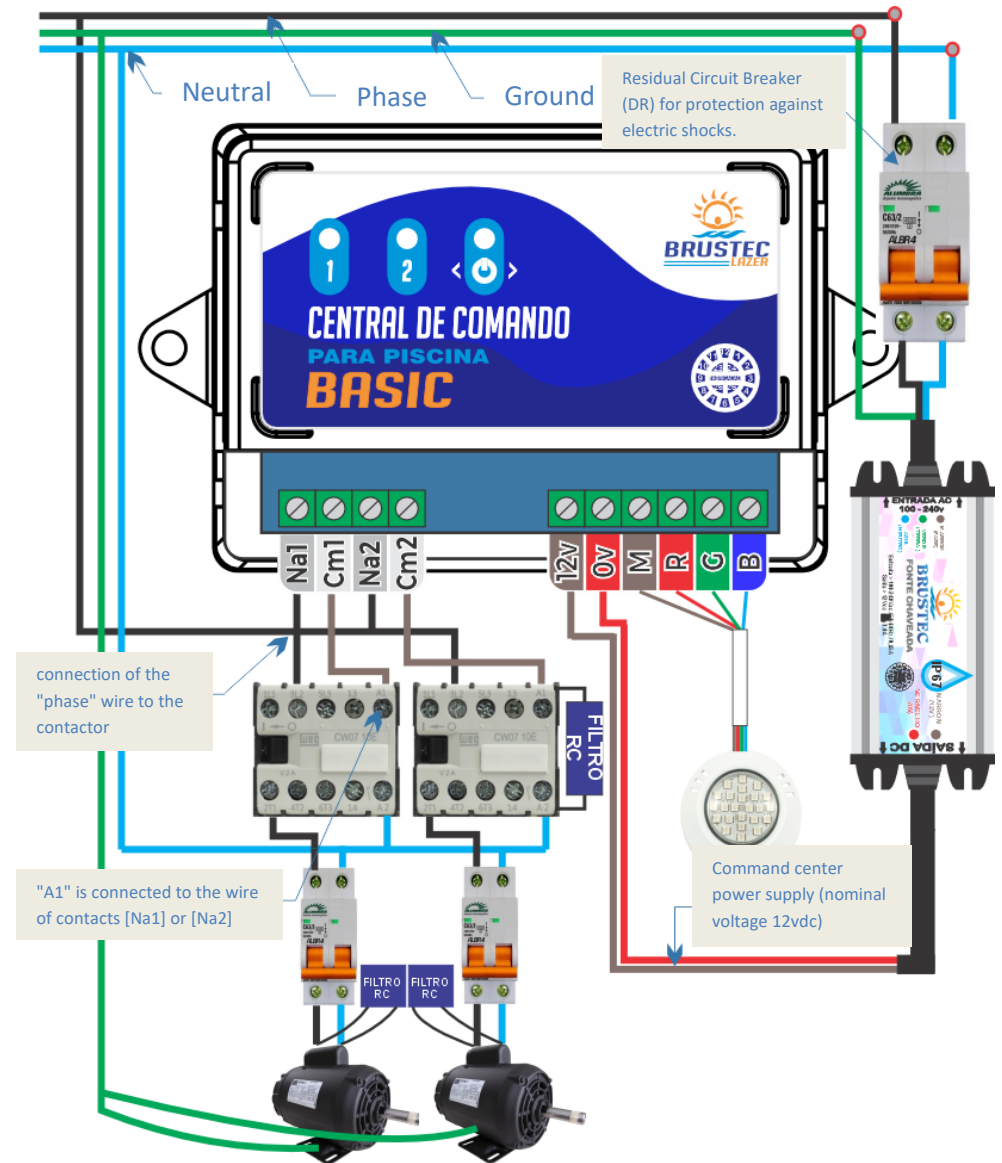
ELECTRICAL INSTALLATION

Control panel with rated supply voltage 12 vdc, we recommend the use of Switched Sources. Below, the connection scheme already with the use of equipment for protection (DR – Residual Circuit Breaker) that must be dimensioned according to your local installation. It is recommended that, for such safety, the installation of all equipment should be performed by a competent and qualified professional following the rules and guidelines in force.

In the electrical installation of the BRUSTEC led reflectors, it should be noted that it is expressly important that the wire splices have no contact with water or moisture, for that to happen is necessary that the installation is done by a qualified professional and also follow the NR-10 and the current regulations. To avoid problems, we advise you to use high fusion tape and insulation tape to insulate any splices. Failure to comply with this procedure will consequently void the product warranty, in case of claim.

CONNECTION DIAGRAM FOR MAXIMUM CONSUMPTION AT 10A

NOTE: It is recommended to use a suppressor or RC filter on the motor connections.



WE ADVISE INSTALLATION OF THIS EQUIPMENT IN AN OPEN AND VENTILATED PLACE TO AVOID PROBLEMS LIKE MOISTURE AND OXIDATION WHICH NORMALLY OCCUR IN ENGINE ROOMS.