



ADDRESS
Rua Abraão de Sousa e Silva, 2920
Brusque - SC, Bairro Volta Grande, CEP 88355-576

www.brustec.com.br
www.facebook.com/brustec.lazer (47) 3350-3770
Technical Assistance: posvendas@brustec.com.br

BRUSTEC RGB 29A POWER AMPLIFIER MANUAL

This equipment aims to expand the ability to drive RGB control boxes, so you can put as many reflectors as you need in your pool, being necessary to respect the individual capacity of each amplifier and if only one unit is not enough no problem, you can interconnect as many amplifiers as necessary, there is no limit. This way your pool or club will have the same synchronization of functions for all led spotlights.

The BRUSTEC power amplifier has a maximum capacity of 29A driving at 12vdc, below is a table to analyze how many reflectors of each model can be installed:

COMMAN D MODEL	BALIZER 0.5 w	POWER LED 1w	POWER LED 3w	POWER 3.5 w	POWER LED 5 w	POWER LED 6 w	POWER LED 9 w	POWER LED 15w	POWER LED 27W
2A	35	18	7	6	4	3	2	1	-
3A	55	25	9	9	5	5	4	2	1
6A	100	55	20	19	11	10	7	4	2
10A	185	95	34	33	19	18	12	7	4
20A	385	190	67	66	40	36	24	15	8
29A	565	290	108	98	50	54	36	22	11

IP 63 – Protected against dust and water splashes - AMPLIFIER

FUNCTIONS

- Amplify RGB control box power to maximum 29A
- Synchronization of all installed reflectors

GUARANTEE

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.

SOLVING FAILURES

- Reflectors do not light up: Check supply voltage, cable connection at terminal, physical integrity of shunt cables and splices.

- Amplifier does not turn on: Check the supply voltage, remove the cables from the reflectors connected to it and connect the amplifier, if it works the problem is in the reflectors or cables.

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

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

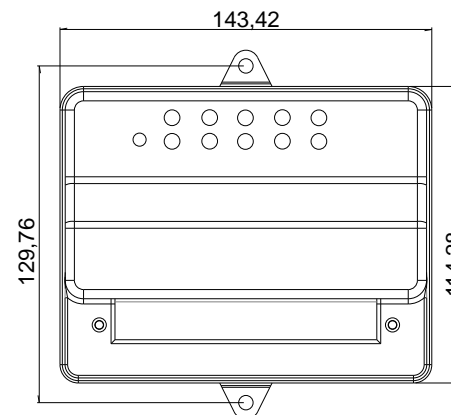
Contact phone: (47) 3350-3770

E-mail: posvendas@brustec.com.br

TECHNICAL SPECIFICATIONS

Power amplifier 29A / 12 vdc = 348 Watts

Note: This equipment is limited to 29 total amps, i.e. 9.65 amps per outlet (R / G / B)



ELECTRICAL INSTALLATION

The Amplifier has a nominal supply voltage of 12 vdc, and the use of Switched Sources is recommended. Below the connection scheme, and in the electrical installation of Brustec equipment, it should be noted that it is expressly important that the splices of the wires do not have any contact with water or moisture, for this it is necessary that the installation is done by a qualified professional and that it also follows NR10 and the current rules. 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.

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.

DR 30ma / 25A

NEUTRAL/PHASE

12v

0v

STECK

12v

0v

SIGNAL INPUT "MRGB"

REFLECTORS OUTPUT

REFLECTORS OUTPUT ON THE AMPLIFIER

PHASE

NEUTRAL

GROUND

CIRCUIT BREAKER SIZED ACCORDING TO INDIVIDUAL CALCULATION OF EACH CIRCUIT. THE CIRCUIT BREAKER MUST BE CONNECTED TO THE BROWN WIRE (POSITIVE) OF THE REFLECTORS CIRCUIT AS IMAGES IN THIS MANUAL.

2