LED pool light Remote Control

OWNER'S MANUAL

RCP-1500

Controls Pool Lights
and 2 auxiliary circuits

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Technical specifications

Electrical specifications

Nominal Input voltage	230 VAC 50 Hz
Max rating Relay Contacts "Color&Light", "A" and "B"	
Resistive Load	14A 250VAC 14A 30VDC
Inductive Load	6A 250VAC 6A 30VDC
Frequency band transmitter	868 MHz
IEC Protection Class	Class II ⧈

General specifications Controller

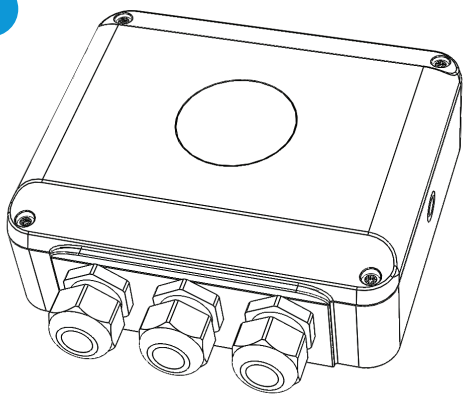
Ambient air temperature	0°C ... +40°C
Humidity	10% ... 90% RH non condensing
Dimensions	150x157x51 mm
Weight	500 g
Ingress protection rate	IP54

For operation only with 12VAC safety isolation transformer to power LED Pool Lights

Box contents

1. RCP-1500 controller
2. Handheld transmitter
3. Spare battery (type A23 12V)
4. Screws (4x) & wall plugs (4x)
5. Owners's manual

1



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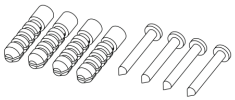

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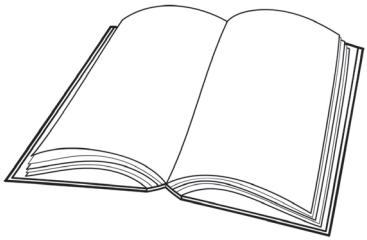


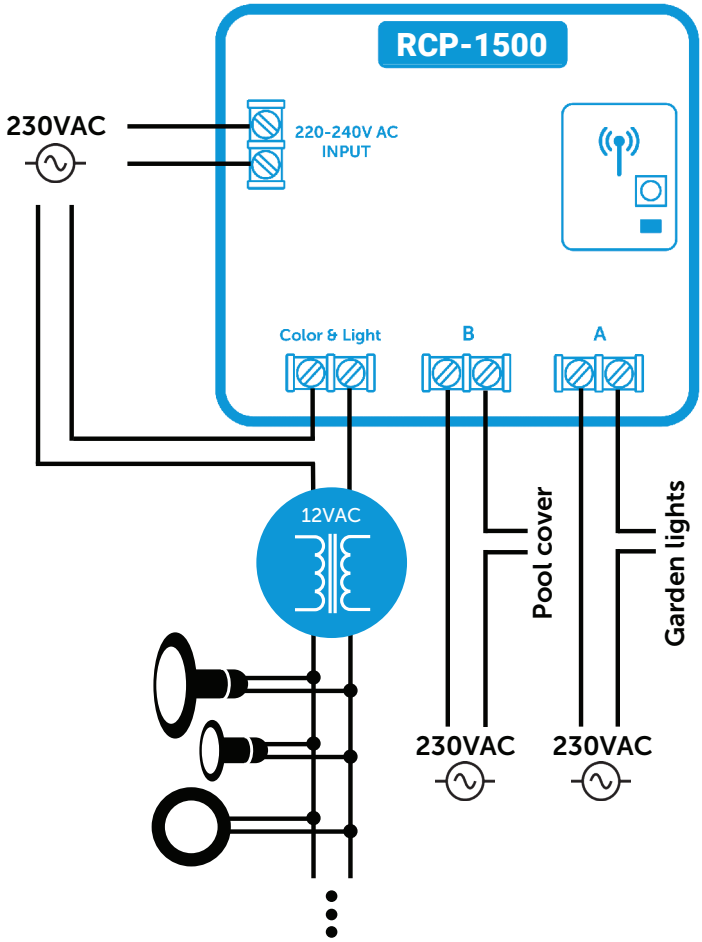
Installation instructions

Option 1: RCP-1500 in transformer primary

- Connect a 230VAC power source to the "220-240VAC INPUT" terminal
- Connect the primary circuit of a 12VAC transformer (sold separately) in series with the "Color&Light" terminal of the RCP-1500.

Optional: The "Switch A" & "switch B" terminals can be used to control auxiliary circuits like a pool cover or garden lights.

⚠ *The "Color&Light" relay contact has an output of 14A, which can drive a 12V transformer of max. 3000W (220Vx14A).*

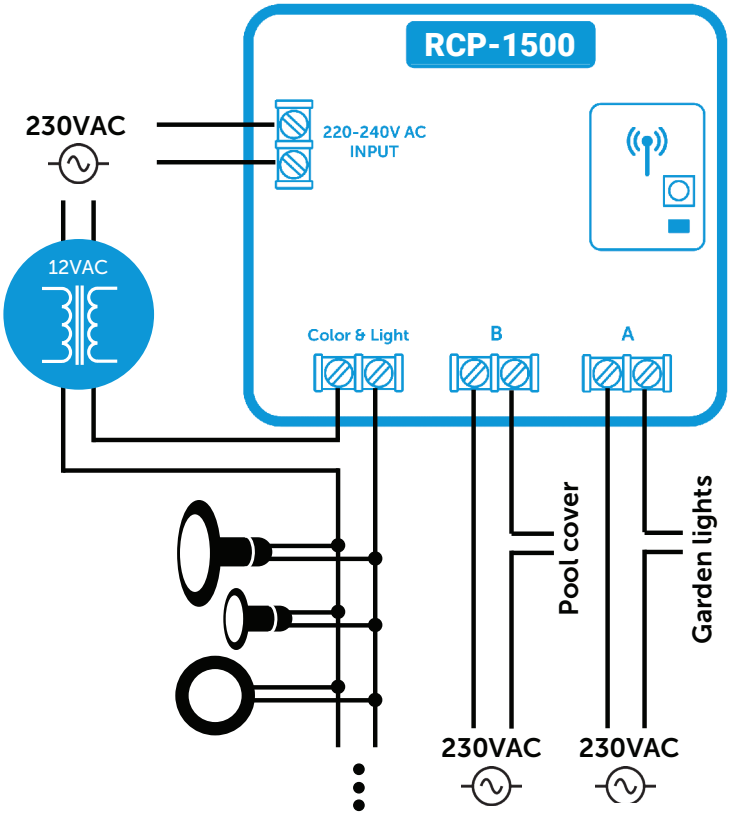


Option 2: RCP-1500 in transformer secondary

- Connect a 230VAC power source to the "220-240VAC INPUT" terminal
- Connect the secondary circuit of a 12VAC transformer (sold separately) in series with the "Color&Light" terminal of the RCP-1500.

Optional: The "Switch A" & "switch B" terminals can be used to control auxiliary circuits like a pool cover or garden lights.

⚠ *The "Color&Light" relay contact has an output of 14A, or 170W on a 12V transformer secondary (14Ax12V). The total load of pool lights can not exceed this.*



Pairing handheld transmitter & controller

The handheld transmitter is already paired in the factory and ready to use. The RCP-1500 can pair with up to 6 handheld transmitters. In case a problem arises, the pairing process can be done manually:

Manual Pairing process:

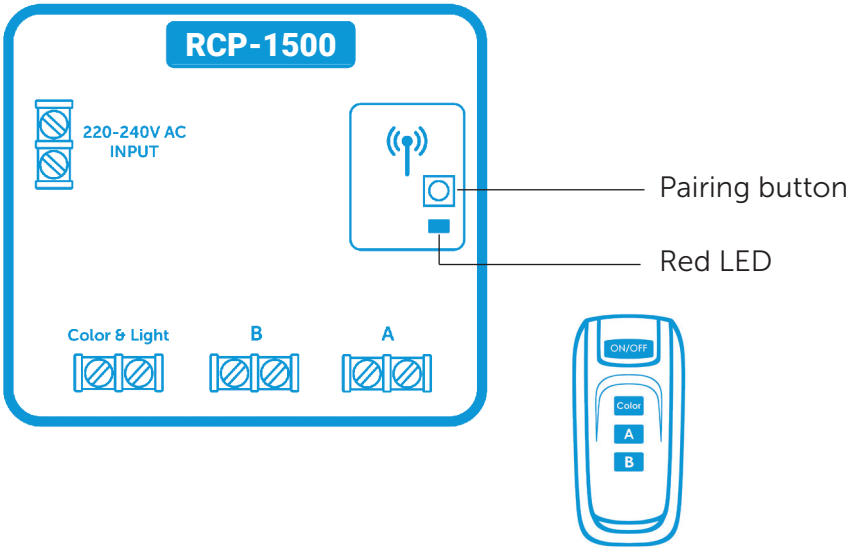
Make sure the RCP-1500 is connected to a power source.

1. Press the pairing button on the small circuit board, inside the controller for at least 5 seconds.
   --> The LED will start to blink fast

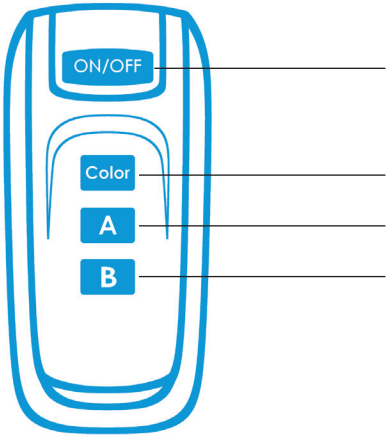
2. Within 25 seconds, press any button on the handheld transmitter.
   --> If the transmitter is paired correctly, the LED will flash slowly for 5 times --> If the RCP-1500 pairing memory is full, the LED will flash 15 times. This means 6 handheld devices have already been paired.

To unpair all handheld transmitters with the controller: Push the pairing button for at least 5 seconds, then do nothing for at least 25 seconds.

--> The pair memory will be erased - the red LED will flash 5x on/off.



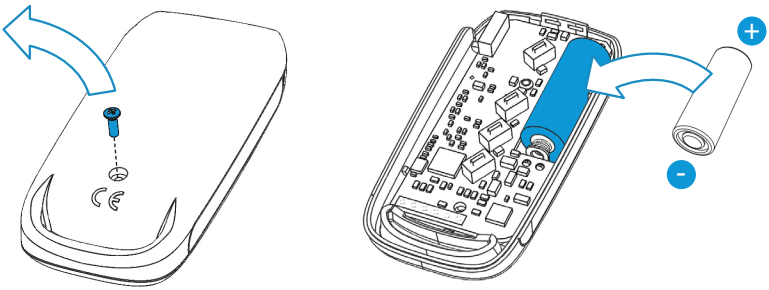
Handheld transmitter functions



Replacing transmitter battery

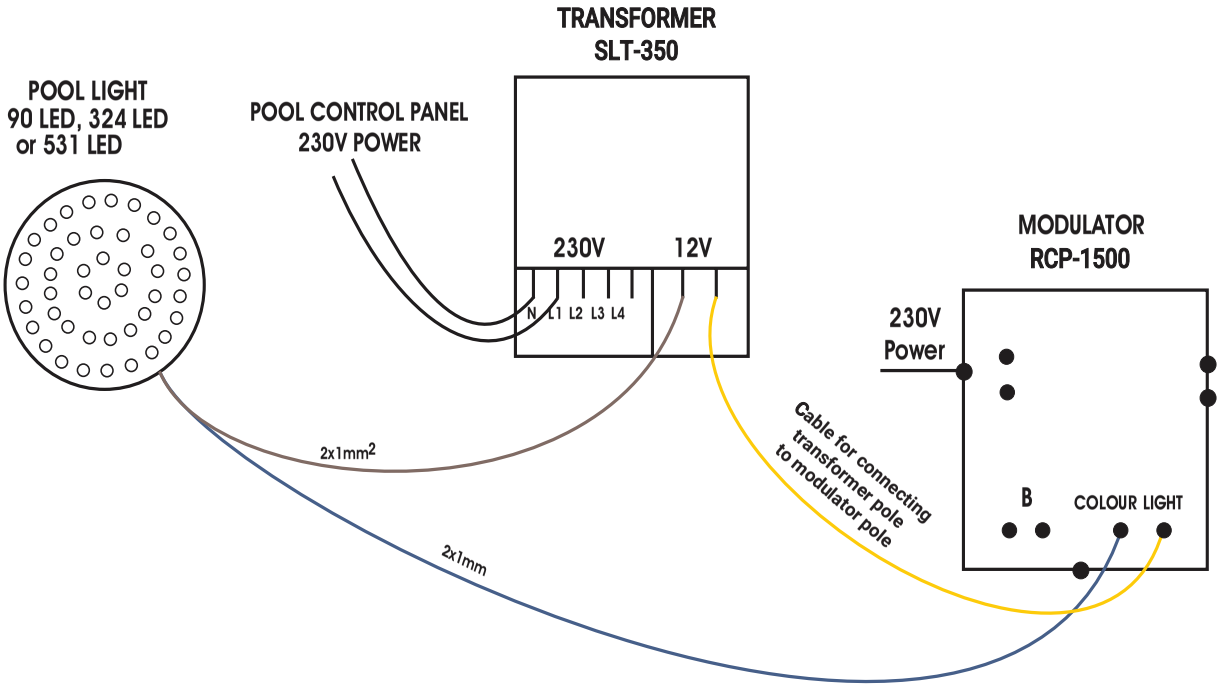
- Remove the philips head screw and open the transmitter
- Replace the battery, respecting the polarity

  Battery type: A23 12V



Troubleshooting

PROBLEM	SOLUTION
The controller doesn't react to transmitter commands	• Check the battery of the hand-held transmitter • The transmitter is not paired-correctly with the controller. Repeat the pairing process • Reduce the distance between handheld transmitter and RCP-1500 and/or remove obstacles
The pool lights don't work	• Check if all connections are made according to the electrical scheme on page 5 or 6. • Check if the "Color&Light" output terminals of the controller switch on and of when pushing the on/off button on the transmitter.


TRANSFORMER
SLT-350
POOL LIGHT
90 LED, 324 LED
or 531 LED
POOL CONTROL PANEL
230V POWER
230V
12V
N L1 L2 L3 L4
MODULATOR
RCP-1500
230V
Power
B
COLOUR LIGHT
2x1mm2
2x1mm
Cable for connecting
transformer pole
to modulator pole

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