LED pool light Remote Control with built in transformer

OWNER'S MANUAL

PL-REM-200

Long range **DuraLink™** version



Spectravision

Controls Spectravision Pool Lights and 2 auxiliary circuits

Table of contents

Technical specifications	Page 3
Box contents	Page 4
Installation instructions	Page 5
Pairing Handheld Transmitter & controller	Page 6
Handheld transmitter functions	Page 7
Replacing transmitter battery	Page 7
Troubleshooting	Page 7

Technical specifications

Electrical specifications

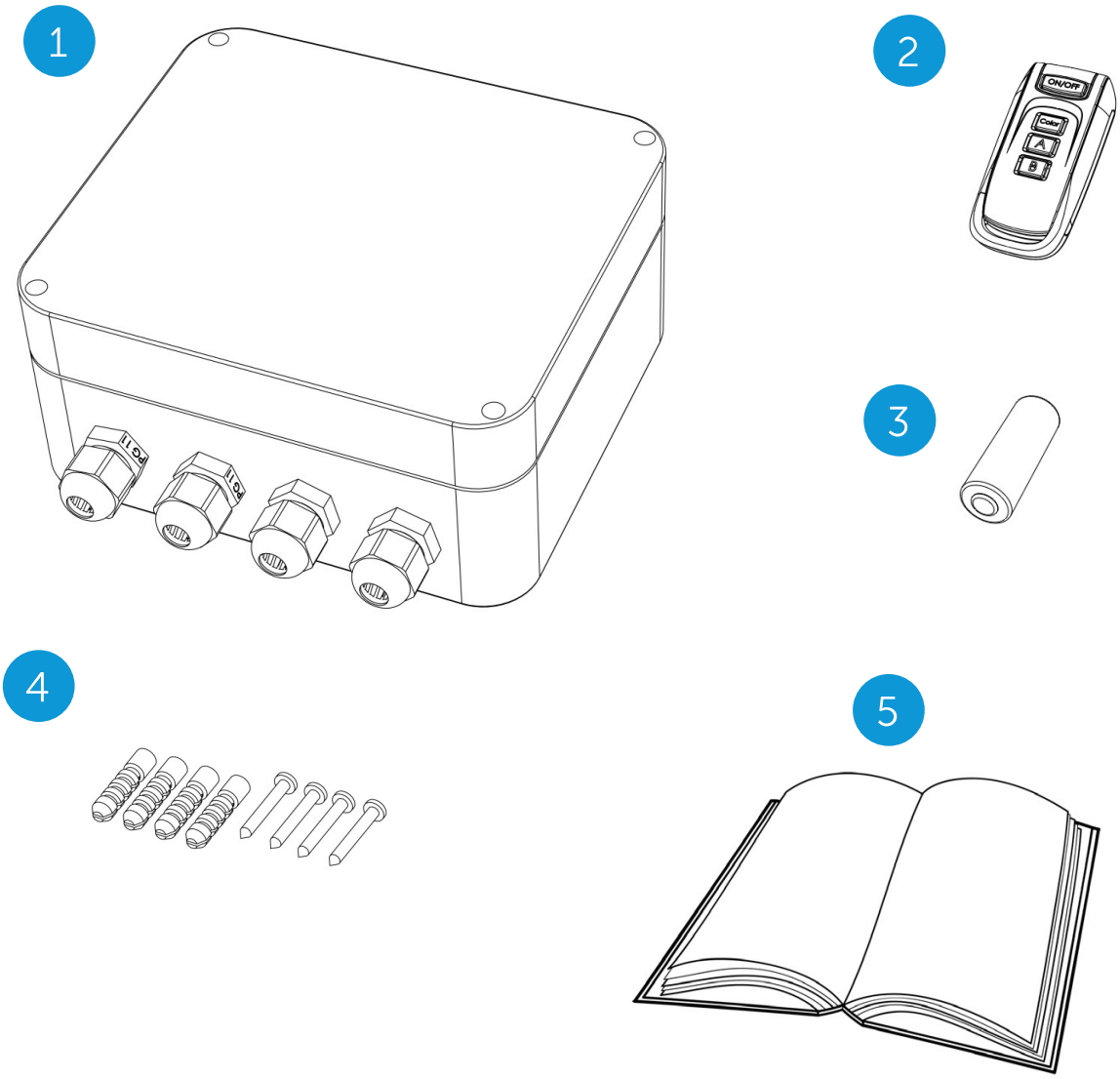
Nominal Input voltage	230 VAC 50 Hz
Output voltage on Lamp Output	12 VAC
Max output current on Lamp Output	16,7 A
Max rating Relay Contact A and B	
Resistive Load	14A 250VAC 14A 30VDC
Inductive Load	6A 250VAC 6A 30VDC
Transformer VA rating	200VA
Fuse type	5x20mm cartridge fuse 5A 250V slow blow/time lag
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	195x194x90 mm
Weight	3,2 kg
Ingress protection rate	IP54

Box contents

1. PL-REM-200 controller
2. Handheld transmitter (DuraLink™ version)
3. Spare battery (type A23 12V)
4. Screws (4x) & wall plugs (4x)
5. Owners's manual

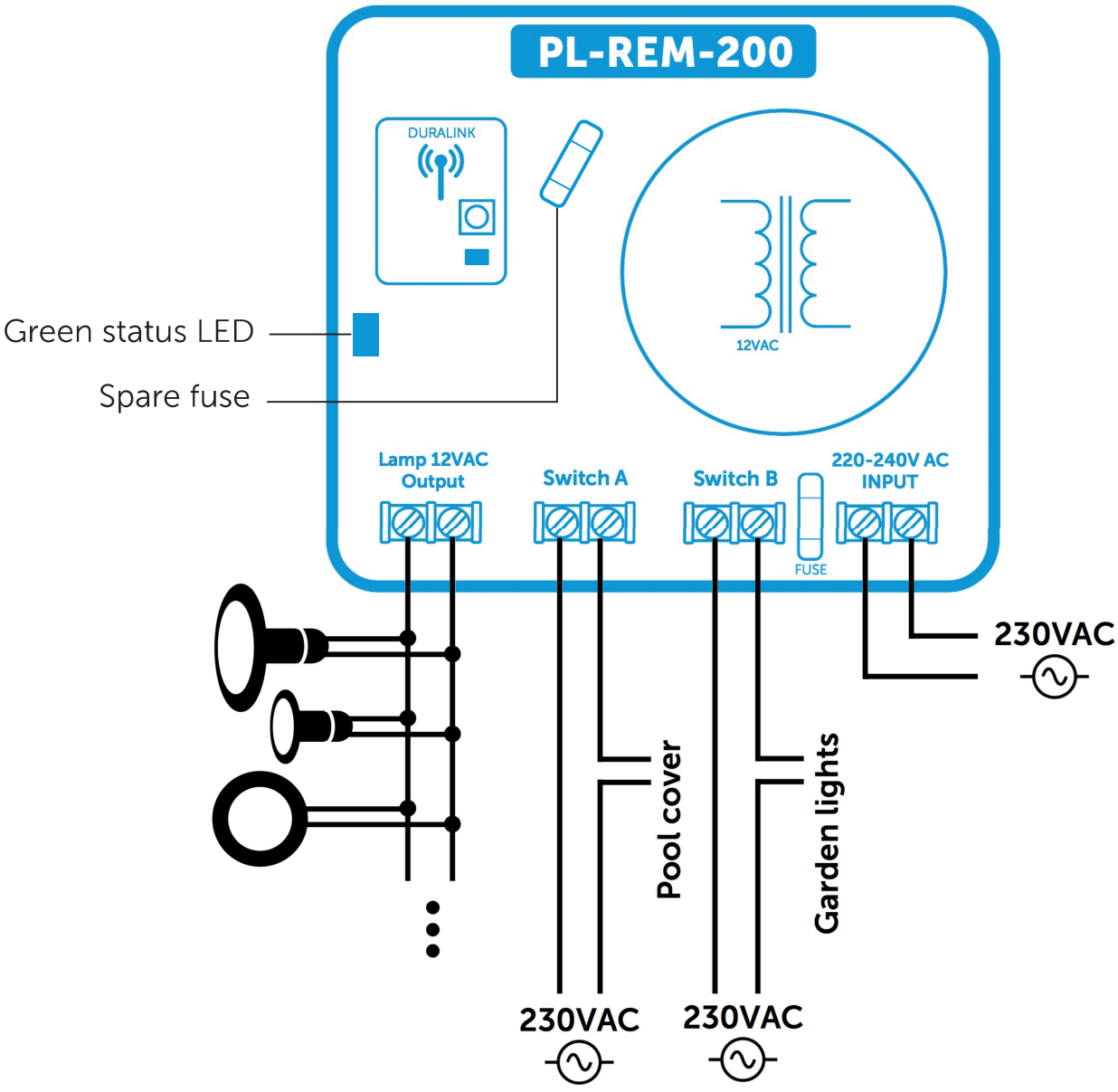


Installation instructions

- Connect a 230VAC power source to the "220-240VAC INPUT" terminal
- Connect the swimming pool lights to the "Lamp 12VAC output" terminal

  ⚠ Make sure the total load of pool lights does not exceed 200Watt

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



Pairing handheld transmitter & controller

The handheld transmitter is already paired in the factory and ready to use. The PL-REM-200 can pair with up to 6 handheld transmitters. In case a problem arises, the pairing process can be done manually:

Manual Pairing process:

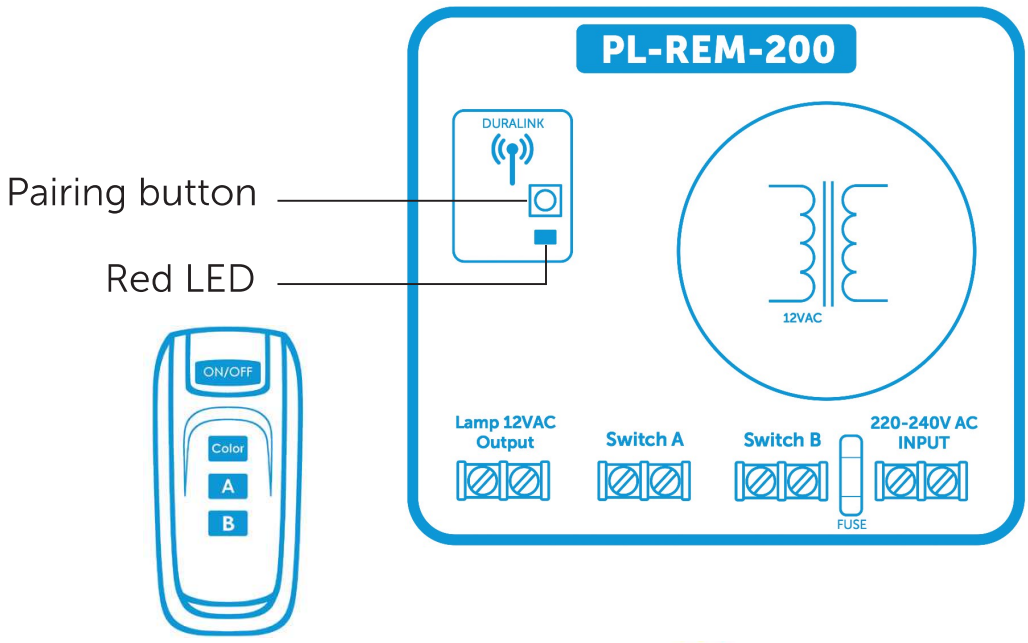
Make sure the PL-REM-200 is connected to a power source.

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

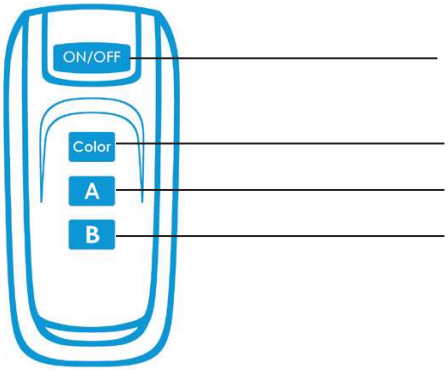
2. Within 25 seconds, press any button on the handheld transmitter.
   --> If the transmitter is paired correctly, the LED will flash slowly for 5 times
   --> If the PL-REM-200 pairing memory is full, the LED will flash 15 times. This means 6 handheld devices have already been paired.

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



Toggle the lamps ON/OFF

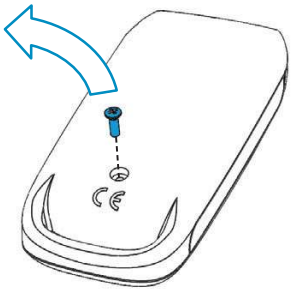
Go to next color scenario

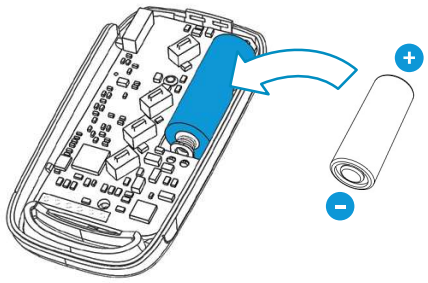
Toggle Output A ON/OFF

Toggle Output B ON/OFF

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 PL-REM-200 and/or remove ob-stacles
The pool lights don't work	• Check the green status LED • Check if there is 12VAC output at the terminals of the controller • Check the fuse of the controller If the fuse is ok, and there is still no 12VAC output, contact your distributor

Contact details

Propulsion Systems bvba
Dooren 72
1785 Merchtem, Belgium

Tel +32 2 461 02 53
Fax +32 2 706 59 60

www.propulsionsystems.be
info@propulsionsystems.be

Spectravision

402-0019-150106

We reserve the rights to change all or part of the contents of this document without prior notice