LED pool light Remote Control with built in transformer

OWNER’S MANUAL

PL-REM-60

Controls Spectravision Pool Lights
# 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

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Input voltage</td>
<td>230 VAC 50 Hz</td>
</tr>
<tr>
<td>Output voltage on Lamp Output</td>
<td>12 VAC</td>
</tr>
<tr>
<td>Max output current on Lamp Output</td>
<td>5A</td>
</tr>
<tr>
<td>Transformer VA rating</td>
<td>60VA</td>
</tr>
<tr>
<td>Frequency band transmitter</td>
<td>868 MHz</td>
</tr>
<tr>
<td>IEC Protection Class</td>
<td>Class II</td>
</tr>
</tbody>
</table>

General specifications Controller

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ambient air temperature</td>
<td>0°C ... +40°C</td>
</tr>
<tr>
<td>Humidity</td>
<td>10% ... 90% RH</td>
</tr>
<tr>
<td></td>
<td>non condensing</td>
</tr>
<tr>
<td>Dimensions</td>
<td>150x157x51 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>1.3 kg</td>
</tr>
<tr>
<td>Ingress Protection Rate</td>
<td>IP54</td>
</tr>
</tbody>
</table>
Box contents

1. PL-REM-60 controller
2. Handheld transmitter
3. Spare battery
4. Screws (4x) & wall plugs (4x)
5. Owner’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 60Watt
Pairing handheld transmitter & controller

The handheld transmitter is already paired in the factory and ready to use. The PL-REM-60 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-60 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-60 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**

*Button A and B have no function with PL-REM-60*

---

**Replacing transmitter battery**

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

*Battery type: A23 12V*

---

**Troubleshooting**

<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>SOLUTION</th>
</tr>
</thead>
</table>
| The controller doesn’t react to transmitter commands | • Check the battery of the handheld transmitter  
• The transmitter is not paired correctly with the controller. Repeat the pairing process  
• Reduce the distance between handheld transmitter and PL-REM-60 and/or eliminate obstacles |

<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>SOLUTION</th>
</tr>
</thead>
</table>
| The pool lights don’t work     | • Check the red status LED  
• Check if there is 12VAC output at the terminals of the controller |
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