



PowerLine 81RFBOX2C LED Bulbs with Remote Control Modular Installation Guide

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Powerline™
by **HAYWARD®**

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81RFBOX2C LED Bulbs with Remote Control Modular



81RFBOX2C - 81RFBOX6C - 81RFBOX8C





HAYWARD® POOL EUROPE – 1070 Allée des Chênes – CS 20054 Saint Vulbas – 01154 Lagnieu Cedex – France















WARNING: Electrical hazard.

Failure to comply with these instructions can result in serious injuries or death.
THE EQUIPMENT IS INTENDED TO BE USED ONLY IN SWIMMING POOLS

-  **WARNING** – Disconnect the equipment from the mains supply before any intervention.
-  **WARNING** – All electrical connections must be carried out by a qualified approved electrician in accordance with the standards currently in force in the country of installation.

F	NF C 15-100
D	DIN VDE 0100-702
A	ÖVE 8001-4-702
E	UNE 20460-7-702 1993, REBT ITC-BT-31 2002
IRL	IS HD 384-7-702
I	CEI 64-8/7
LUX	384-7.702 S2
NL	NEN 1010-7-702
P	RSIUEE
GB	BS7671:1992
EW	SIST HD 384-7-702.S2
H	MSZ 2364-702:1994 / MSZ 10-533 1/1990
M	MSA HD 384-7-702.S2
PL	TS IEC 60364-7-702
CZ	CSN 33 2000 7-702
SK	STN 33 2000-7-702
SLO	SIST HD 384-7-702.S2
TR	TS IEC 60364-7-702

-  **WARNING** – Check that the device is plugged into a power outlet that is protected against short-circuits. The device must also be powered via an isolating transformer or a residual current device (RCD) with a nominal operating residual current not exceeding 30 mA.
-  **WARNING** – Ensure that children cannot play with the device. Keep your hands and any foreign object away from openings and moving parts.
-  **WARNING** – Check that the supply voltage required by the product corresponds to the voltage of the distribution network and that the power supply cables are suitable for the product power supply.
-  **WARNING** – Chemicals can cause internal and external burns. To avoid death, serious injury and/or damage to equipment, wear personal protective equipment (gloves, goggles, mask, etc.) when servicing or maintaining this device. This device must be installed in an adequately ventilated place.
-  **WARNING** – To reduce the risk of electric shock, do not use an extension cable to connect the device to the mains. Use a wall socket.
-  **WARNING** – Chemicals can cause internal and external burns. To avoid death, serious injury and/or damage to equipment, wear personal protective equipment (gloves, goggles, mask, etc.) when servicing or maintaining this device. This device must be installed in an adequately ventilated place.

-  **WARNING** – To reduce the risk of electric shock, do not use an extension cable to connect the device to the mains. Use a wall socket.
-  **WARNING** – Carefully read the instructions that appear in this manual and on the device.
Failure to comply with the instructions can cause injuries. This document must be given to every pool user, who should keep it in a safe place.
-  **WARNING** – This appliance can be used by children aged 8 years and over and by people with reduced physical, sensory or mental capabilities, or those who lack experience or knowledge, if they are supervised correctly or if they have been given instructions concerning safe use of the appliance and understand the hazards involved. Children must not play with the device. User maintenance and cleaning must not be carried out by unsupervised children.
-  **WARNING** – Use only original Hayward parts.
-  **WARNING** – If the power supply cable is damaged, it must be replaced by the manufacturer, the after-sales service or similarly qualified persons to avoid danger.
-  **WARNING** – The device must not be used if the power cord is damaged. An electric shock could occur. A damaged power cord must be replaced by the after-sales service or similarly qualified persons to avoid danger.

INSTALLATION GUIDE: RADIO FREQUENCY CONTROL BOX

Operating principle:

- Control any LED lights available on the market using radio remote control.
- Manage your pool lighting from just one control box.
- For RGB lights, synchronise all LED lights and select a programme as desired for a customised mood.

Description of device: This radio frequency control box is designed for indoor/outdoor use. It controls (turns on / switches off / changes programme) the pool LED spotlights remotely. It is compatible with any LED spotlights on the market with supply voltage of ~12V. A radio remote control allows instructions to be sent remotely to the control box (distance of 0 to 50m).

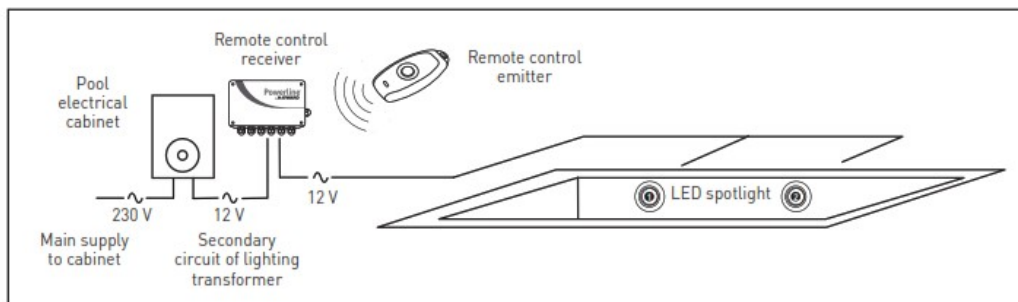
Regulations and certification: It is a class III radio equipment appliance with a very low safety voltage of ~12V. This radio control module has an IP65 protection rating.

This radio control module also complies with international electrical safety regulations, in particular the international regulation IEC 61059-1: 2002 + A

Principle of control box connection:

This Powerline control box must be supplied by the secondary circuit of a double insulated transformer, in compliance with current regulations for pool LEDs.

(Primary: ~230V / Secondary: ~12V). The lights can be controlled either by the switch on the control box or with the remote control.



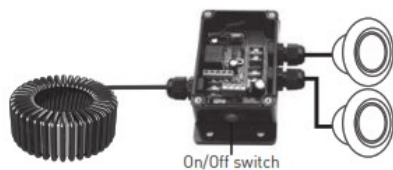
Wall installation, cabling and connection of control boxes

2-CHANNEL BOX

Dim.: 138x116x50mm
Terminal: 2 outputs



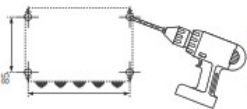
115



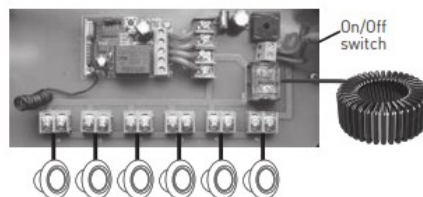
MAX POWER = 120W

6-CHANNEL BOX

Dim.: 224x143x75mm
Terminal: 6 outputs



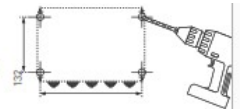
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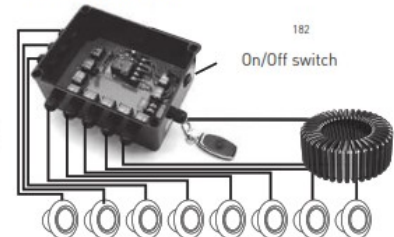
MAX POWER = 120W

8-CHANNEL BOX

Dim.: 242x175x102mm
Terminal: 8 outputs



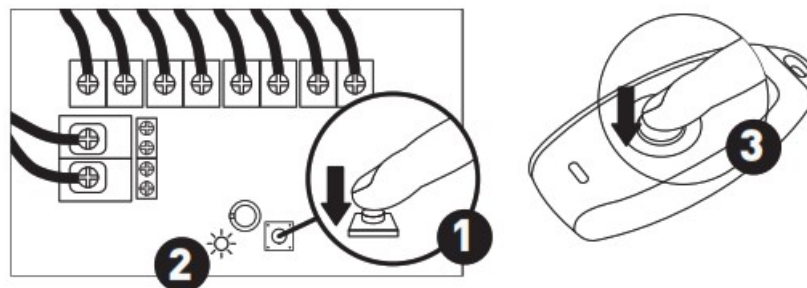
182



MAX POWER = 300W

Pairing of the radio remote control and the control box:

- The control box and the radio remote control are already paired and programmed together.
- If the control box does not respond, follow these steps:
 1. Press and hold the black button (1), the green LED will flash (2), release the button. The LED remains on.
 2. Press and hold the remote control button (3) for 3 seconds, the green LED will flash (2), release the button. Pairing is complete.
 3. You can repeat the procedure for 2 control boxes. One remote can control 2 boxes.



Operation with Hayward LED lights® :

- All Hayward LED lights (PAR56, flat, mini) can be connected and twinned on a single control box.
- Synchronisation: to turn on all LEDs connected to the same control box on programme 1 (white), switch off and restart the control box between 6 and 15 seconds later.
- Change of programme: switch off and restart the control box between 1 and 3 seconds later.
- Memory: all LEDs will turn on with the programme most recently selected if the control box is switched off for more than 30 seconds.

Warnings:

- The control box must be installed indoors or sheltered by a roof.
- Don't connect the control box directly to a ~230V or ~110V power supply.
- Stay within the maximum permitted power for each product.

Only use spare parts supplied by Hayward® brands



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Documents / Resources

<p>Powerline HAYWARD</p> <p>81RFBOX2C, 81RFBOX6C, 81RFBOX8C, 81RFBOX2C LED Bulbs with Remote Control Modular, LED Bulbs with Remote Control Modular, Remote Control Modular, Modular</p>	<p>PowerLine 81RFBOX2C LED Bulbs with Remote Control Modular [pdf] Installation Guide 81RFBOX2C, 81RFBOX6C, 81RFBOX8C, 81RFBOX2C LED Bulbs with Remote Control Modular, LED Bulbs with Remote Control Modular, Remote Control Modular, Modular</p>
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