

All PCR-2D drivers are supplied with 1 x PCT-1 Hand Held Transmitter & Wall Holder



INSTALLATION & MAINTENANCE INSTRUCTIONS ON THE PCR-2D (16/35/60 WATT) OUTDOOR DRIVER/RECEIVER FOR 12V D/C PAL 4 WIRE LED LIGHTS

FEATURES

- ☐ Easy to Install
- ☐ UL Listed Class 2 Power Supply also a Swimming Pool and Spa Transformer (WDGV)



UL
LISTED
LED DRIVER
4ZD6



UL
LISTED
FOUNTAIN, SWIMMING POOL
OR SPA TRANSFORMER
4ZD6
- ☐ Remote Control Operation from PCT-1
- ☐ IP65 Wet Location Construction
- ☐ Constant 12V DC Output Voltage over the Supply Voltage range of 100 - 240V AC.
- ☐ This Driver is only approved to use with the PAL 4 Wire LED lighting system.

IMPORTANT INFORMATION

This PCR-2D Class 2 power supply is specifically designed to supply 12V D/C to power the PAL 4 Wire UL Listed LED Pool lights.

The PCR-2D must be installed in accordance with the National Electrical Code by a Certified Electrician or Qualified Pool Technician.

NOTE: No bonding is required from this Class 2 power supply to the UL Listed PAL Pool Light fixtures as they are made of an all plastic construction and comply with NEC article 680 requirements.

INSTALLATION INSTRUCTIONS FOR PCR-2D RGB OUTDOOR DRIVER

Step 1. The **PCR-2D** Class 2 Power Supply is a Weatherproof construction (IP65) and should be mounted on a flat surface using the mounting holes on the enclosure in a suitable position to suit the intended location of the PAL 4 Wire LED Pool Lights and installed to comply with all the requirements of the National Electrical Code (NEC) and all relevant local codes and ordinances.

Step 2. The Driver Enclosure must be located a minimum distance of 5 feet measured horizontally from the inside wall of the pool and not less than 1 foot above the maximum pool water level measured to the top of the Driver Enclosure.

NOTE: Located on the bottom of the enclosure is two holes for conduit entry. These must be fitted with the PAL conduit adaptor or PVC Electrical conduit adaptor. The supplied PAL Conduit adaptor will work with 18 Gauge up to 24 Gauge cable. 14 or 16 Gauge cable requires the use of a standard 1/2" PVC conduit adaptor.

Step 3. Using the conduit entries at the bottom of the PCR-2D (as shown) Connect the 4 core wire from the PAL 4 WIRE LED LIGHTS. **Please ensure the 4 cores are connected to the correct terminals.**

2 x output conduit entries are provided in the enclosure to connect up to 2 x PAL-LED 4 Wire Pool Lights fitted with LAU-4C LED Lamps

Step 4. The PCR-2D Driver / Receiver should be factory set to operate with the PCT-1 Transmitter supplied. Just fit the 2 x batteries supplied with the PCT-1.

Please refer to the information supplied with the PCT-1 transmitter for full operating instructions and features of the system.

Step 5. Using the STJW 18 AWG power cord connect the 100-120V power supply to the NEC code requirements.

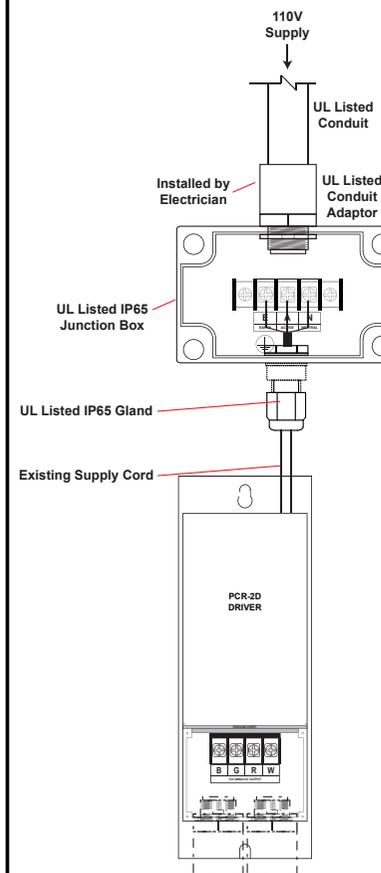
INSTALLATION INSTRUCTIONS FOR PCR-2D RGB OUTDOOR DRIVER

Step 1. The **PCR-2D** Driver is a Weatherproof construction (IP65) and should be mounted in a suitable position to suit the intended location of the **PAL 4 WIRE LED LIGHTS** and mounted a minimum of 1 foot above the ground level and preferably not in direct sunlight.

Step 2. Connect the 4 core wire from the PAL 4 WIRE LED LIGHTS to the driver as shown. **Please ensure the 4 cores are connected to the correct terminals.**

Step 3. Your PCR-2D Receiver/Driver should be factory coded to the PCT-1 Transmitter supplied. Full operational Details & Features are detailed on the instruction information supplied with the PCT-1.

Wiring Diagram



Note 1:
The PCR-2D is suitable for PAL lights fitted with **LAU-4C/4D LED Lamps ONLY**
Maximum Driver Output
16 watt version - 1 to 2 lights
35 watt version - 1 to 6 lights
55 watt version - 1 to 10 lights

Note 3:
An unlimited number of drivers can be controlled by one transmitter.

Note 4:
A maximum number of 4 x Transmitters can be coded to an individual PCR-2D

Note 2:
2 x UL Listed conduit adaptors to connect the 4 wire pool lights are required with the PCR-2D.

Final Installation

