INSTALLATION & MAINTENANCE
INSTRUCTIONS ON THE
PCR-5
4 CHANNEL
REMOTE CONTROL SYSTEM

FEATURES

- Easy to Install
- Approved to UL1563 & CSA C22.2 No. 218-1-13 Pending
- Remote Control Operation from PCT-5 Transmitter
- Optional Local Control from BR-04 Module
- Optional Wi-Fi Control from Apple iOS Devices or Android Devices
- IP65 Wet Location Construction
 INSTALLATION INSTRUCTIONS FOR PCR-5 4 CHANNEL REMOTE CONTROL SYSTEM

- The **PCR-5** 4 Channel Remote Control System only works as a system with the PCR-4 or PCR-200 PAL Colour Touch Drivers.

As shown in the illustration below the system is controlled by TOUCH from the PCT-5 Transmitter or by optional Wi-Fi Control from Android or Apple Smart Phones and Tablets.

- To control the PCR-5 Remote Control Unit by Wi-Fi the PCR-4 or PCR-200 must be fitted with the PAL Touch-5 Wi-Fi Module (Part No. 42-PCTWF5)

- The PCR-5 can be fitted with the BR-04 module to provide local control with LED Indication. This module can also be hardwired to provide remote control with indication.
IMPORTANT INFORMATION

The PCR-5 must be installed in accordance with the National Electrical Code by a Certified Electrician or Qualified Pool Technician.

INSTALLATION INSTRUCTIONS FOR PCR-5 RGB OUTDOOR CONTROLLER

Step 1. The PCR-5 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 PCR-5 Enclosure.

NOTE: The enclosure must be mounted using the mounting feet on the enclosure with the 4x 6# x 3/4” long 316 grade stainless steel screw set supplied. If the enclosure is to be mounted on a concrete or block wall: Mark out the mounting hole locations and drill 3/16” holes using a masonry drill then fit the Star Plugs supplied into the holes and fix using the stainless steel screws supplied.

Step 2. Using the conduit entry in top right hand side of the PCR-5 (as shown) connect the 100-120V power supply to the NEC code requirements.

Step 3. Using the conduit entries at the bottom of the PCR-5 (as shown) to connect the switch wires to the Power Relays.

Step 4. The PCR-5 Driver / Receiver is factory set to operate with the PCT-5 Transmitter supplied. Just fit the 2 x batteries supplied with the PCT-5 and the Transmitter is coded ready to provide Touch control to the system.

Please refer to the information supplied with the PCT-5 transmitter for full operating instructions and features of the system.

Step 5. To operate any of the four channels from the PCT-5 transmitter just simply press the “ON” from the selected channel to start and by pressing “OFF” to turn off.

2 SPEED SELECTION ON CHANNEL 4

Channel 4 can control 2 Speed Pumps if wired as shown on Page 5.

If the “ON” button is pressed on Channel 4 once the motor will start in HIGH Speed. To select LOW speed press the “ON” button twice and after 3 minutes to allow the pump to prime in HIGH speed the power relays will change over to LOW speed.

NB: If the motor is run for longer than 3 minutes in HIGH speed by pressing the “ON” button on Channel 4 it will change the power relays to LOW speed.
INSTALLATION INSTRUCTIONS FOR PCR-5 RGB OUTDOOR CONTROLLER

Connect Loads to Power Relays as shown on Page 5

Note: Use the 4x Mounting Feet to fasten the enclosure to the wall with the screw set supplied.

1/2" PVC Conduit Adaptor

1/2" PVC Conduit

To Power Supply

ELECTRONIC POWER SUPPLY
100 - 240 AC/12V DC & DRIVER/RECEIVER

All PCR-5 drivers are supplied with 1x PCT-5 Hand Held Transmitter & Wall Holder

Power On Code Setting

LED

ON

ON

ON

ON

LED 4A

R1

FZ1

FZ4

R2

R3

R4

R4A

1/2" PVC Conduit Adaptor

Connect Loads to Power Relays as shown on Page 5
CABLE CONNECTION DETAILS FOR CHANNEL 1, 2 & 3

CABLE CONNECTION DETAILS FOR CHANNEL 4 FOR 120V 2 SPEED MOTOR

CABLE CONNECTION DETAILS FOR CHANNEL 4 FOR 240V 2 SPEED MOTOR
TIME SETTING
To set the current time turn the minute Hand clockwise. Do not set the time by Rotating the “outer” dial.

Turn the minute hand clockwise until the time of day on the outer dial is aligned with the triangle marker on the inner dial (two o’clock position).
Example for 24-hour program dial 11:00 AM. Turn the minute hand clockwise until 11:00 AM is aligned with the triangle on the inner dial. The hour and the minute dial will show exactly 11:00.

The 24-Hour dial has quarter-hour divisions and AM/PM indications.
The time switch is programmed by pushing the captive trippers to the outer ring position for the entire period that the load is to be turned “ON”, i.e., fifteen minutes for each tripper on the 24-Hour dial.
When the tripper is pushed to the inside, the switch is in the “OFF” position.

OPERATION
With the Time Clock programmed and set in Automatic Mode
The time clock will switch “ON” and “OFF” Channel 4 controlling the pump.
With the Time Clock “OFF”
Channel 4 can be switched “ON” & “OFF” from the PCT-3 Transmitter.
With the Time Clock “ON”
The PCT-3 Transmitter cannot switch “OFF” Channel 4.
NOTE: If the Channel 4 button on the PCT-3 Transmitter is pressed when the Time Clock is “ON” channel 4 will stay “ON” after the time clock switches “OFF” until channel 4 is turned “OFF” by the PCT-3 Transmitter.
All PCR-5 remotes are supplied with 1x PCT-5 Hand Held Transmitter & Wall Holder.

Knockout Instructions
It is recommended that the cover is fitted and the cover screws tight when the knockouts are being removed.

When removing the knockouts place a flat blade screwdriver with a 3/16" (4mm) blade as shown and a light hit with a hammer to the head of the screw driver will allow the Knockout to be removed.

Alternatively drill location points are located in the centre of each Knock out to allow the use of a hole saw to remove the knockouts.