



## RAYPAK REMOTE CONTROL OPERATING INSTRUCTIONS

**CAUTION!** PROLONGED EXPOSURE TO ELEVATED WATER TEMPERATURES CAN BE HAZARDOUS.

### TEMPERATURE SELECTION

Temperature selection is made via the UP/DOWN buttons. After depressing the UP/DOWN buttons the desired water temperature setpoint will be displayed.

### MODE SELECTION

The "Mode" button on the control panel enables both pool and spa temperatures to be set independently. The two setpoints are stored in the controller. The heater operates according to the mode activated. If the pool mode is activated, the heater will continue to heat until the pool setpoint temperature is reached. If the spa mode is activated, the heater will continue to heat until the spa setpoint temperature is reached. Where diverter valves are installed, they may be coupled to the heater by the installer so that when the mode button is selected, the diverter valves direct flow to the desired destination, i.e. pool or spa.

### AUXILLIARY EQUIPMENT OPERATION

The "Aux" button on the control panel enables control of one auxiliary piece of equipment e.g. light, pump, blower or water feature. (This equipment must be connected to the heater by a licensed electrician.) The pool/spa mode, temperature settings and auxiliary equipment - if connected - may all be programmed to operate using the programmable timer of the heater control.

**The time and day must be set before the controller can be programmed.**

### SETTING TIME

1. With the controller in the OFF position, simultaneously press and hold the PROG and DOWN buttons to access the time set mode.
2. The time will then flash on the display. To adjust the time use the UP/DOWN buttons.
3. Once the time has been set, use the PROG button to access the day set mode.

### SETTING DAY

1. After the time of day has been set, press and release the PROG button to access the day set mode.
2. The day will then flash on the display. To adjust the day use the UP/DOWN buttons.
3. Press and release the PROG button to set the day and return the control to the OFF mode.

### AUTO MODE

Auto mode allows the controller to:

1. Turn the pool heater on/off for up to four separate time periods
2. Control the water temperature
3. Control the mode settings and auxiliary outputs

Auto mode can be selected by pressing the PROG button until AUTO is displayed. The desired water temperature setpoint and mode settings are selected once the Auto mode is engaged.

The controller will retain all program settings even with the removal of the power supply.

### PROGRAMMING MODE – FOR AUTO MODE OPERATION

With the controller in the ON position, press the PROG button for at least eight seconds to access the programming mode.

1. Once the programming mode has been accessed MO, PROG and 1 will flash simultaneously indicating that Monday Period 1 is being set.
2. The first item to be programmed is the day of the week. Use the UP/DOWN buttons to scroll through the days of the week. Press PROG to lock-in the days.
3. The start time will then flash. Press the UP/DOWN buttons to adjust the start time. Press the PROG button to lock-in the start times.
4. The POOL or SPA mode will now flash. Use the MODE button to toggle between POOL and SPA modes. Press the PROG to lock-in the mode.
5. The set temperature for Period 1 will flash. Use the UP/DOWN buttons to scroll through the temperature settings.
6. The minimum set temperature is 18°C. Pressing the DOWN button when the temperature is at 18°C will select the OFF mode for period 1. Press PROG to lock-in the temperature.
7. The Auxiliary Output selection(s) will now flash. Use the UP/DOWN buttons to scroll through the auxiliary selections.
8. To select an auxiliary output press the AUX button until the word ON is displayed above the auxiliary selection. Press the UP button to move to the next available auxiliary output.
9. Once the desired selections have been made press PROG to lock-in the auxiliary output(s).

### CHILD-LOCK FUNCTION

The child-lock function will render all 6 controller switches inactive.

1. To activate the child lock function press and hold both UP/DOWN buttons for 10 seconds. The locked symbol will be displayed.
2. To cancel the child lock function press and hold both UP/DOWN buttons for 10 seconds.

### MANUAL PUMP OPERATION

The controller can be used to manually operate the pump. The pump must be connected to the 240V, 3-pin plug located on the underside of the pool heater electrical control box for this function to be accessed.

**NOTE:** Auxiliary output 1 is the only output that can be used to operate the pump via the controller.

1. With the controller in the ON position, press the AUX button.
2. Aux output 1 will flash with OFF displayed.
3. Press the AUX button again and output 1 will flash with ON displayed.
4. 240V power will now be applied to the 3-pin pump plug located on the underside of the heater's electrical control box.
5. To return to normal operation with the pump operating manually press the ON/OFF button.
6. To turn the pump off whilst the heater is running press the AUX button. Aux Output 1 and ON will be displayed. Press AUX again and Aux Output 1 and OFF will be displayed. The pump will then be turned off.
7. To turn both the pump and the heater off press the ON/OFF button.

# RAYPAK REMOTE CONTROL PLASTERBOARD METAL MOUNTING BRACKET INSTALLATION INSTRUCTION

## Parts included for Plaster board installation:

1 x Metal bracket (with 2 x removal keys attached)  
4 x mounting screw

## Tools needed:

2.5mm – 3.0mm drill  
Philips screw driver  
Plaster board saw

**NOTE:** RUBBER GASKET MUST BE REMOVED FROM ASSEMBLY FOR PLASTER BOARD WALL INSTALLATIONS.

**NOTE:** METAL KEY CAN ONLY BE USED TO REMOVE THE REMOTE CONTROL WHEN MOUNTED USING THE METAL PLASTERBOARD BRACKET.

## Metal Mounting Bracket

A Metal Bracket is provided to enable the secure mounting of the Plastic remote control front panel when the unit is to be mounted on a plaster board wall. The Metal Bracket is designed to fit securely into plasterboard up to 12mm thick and then fixed in position with 4 fold-over tabs and secured with screws.

## Installation Instructions:

1. Remove the 2 keys located inside the bracket by twisting. (Keep these handy in case the remote control needs to be removed during installation)
2. Use the flat front face of the metal bracket as a stencil for sizing the cut out.
3. The 4 corners on the outside of the screw tabs mark the correct cut out size.
4. Position the bracket horizontally and mark these corner points with pen or drill bit. The outer edge of the bracket can be used to draw a straight line connecting these 4 corners.
5. Use a Plaster board saw to neatly remove the area inside these corner points. Ensure the cut out is not smaller than the front opening of bracket.
6. Fit the bracket with the screw tabs through the cut out. Fold the tabs firmly around the plaster board to keep it in position until finally secured.
7. Position and hold the bracket in a level position and, using the 4 holes on the front face of the bracket, drill a hole no larger than 3mm through the plaster.
8. Use the screws provided to secure the bracket in the plasterboard. Screw tabs should clamp onto the back of plasterboard. Do not over tighten but ensure screw head is flush and the bracket is tight.
9. Snap the PCB unit onto the metal bracket. A click on both sides will be heard when properly engaged.
10. If the remote control needs to be removed during installation, the plastic release tabs on either side can be accessed by using the metal keys provided, sliding them in behind the plastic unit where notches are provided on either side. The two small holes on both keys allow for them to be bent at about 45° to provide better grip for pressing the plastic release tabs inward.