

# Raypak Equipment Interface Box Installation Instructions

## **PART 1: FOR YOUR SAFETY**

**WARNING:** The Raypak Equipment Interface Box must be installed by a suitably licensed and qualified electrician and in accordance with the Australian/New Zealand Standard AS/NZS3000.2000.

Please read these instructions before attempting to program the Raypak Equipment Interface Box failure to do so may result in electrocution.

Do not use or store flammable items in the vicinity of this interface box.

## **PART 2: INTRODUCTION**

The Raypak Equipment Interface Box (EIB) works in conjunction with the Raypak Pool/Spa heater control or the Raypak Remote control. The Raypak Equipment Interface Box provides 6 high voltage, high current relay outputs to operate various auxiliary electric devices such as pool lights, fountains, diverter valves etc.

The Raypak Equipment Interface Box can be installed up to 50 meters from the Raypak Pool/Spa heater control or the Raypak Remote control. These components communicate via a hard wired CAT 5 cable communication link.

## **PART 3: INSTALLATION INSTRUCTIONS**

The Raypak Equipment Interface Box (EIB) must be installed via dedicated circuit from the switch/distribution board including a dedicated 30 amp circuit breaker. The Raypak EIB must be hard wired via a suitable isolating switch. If the Raypak EIB is installed in an external location the isolating switch must be suitable for external installation.

The EIB is connected to the Raypak pool heater controller via the CAT5 cable supplied. The installer must crimp the RS485 plug onto the CAT5 cable after the EIB cable gland is fitted.(RS485 plug is supplied)

## Specifications

### Operating Voltage

Input Voltage – 240 V AC 50Hz

Input Current – 30A (max)

### Outputs Rating

The Raypak Equipment Interface Box provides six (6) 240V AC 50Hz relay outputs.

Total Output Current – 30A @ 240V AC 50Hz

Relay Contact Rating – 30A @ 240V AC 50Hz (resistive) or

1 HP @ 240V AC 50Hz (inductive)

### Operating Environment

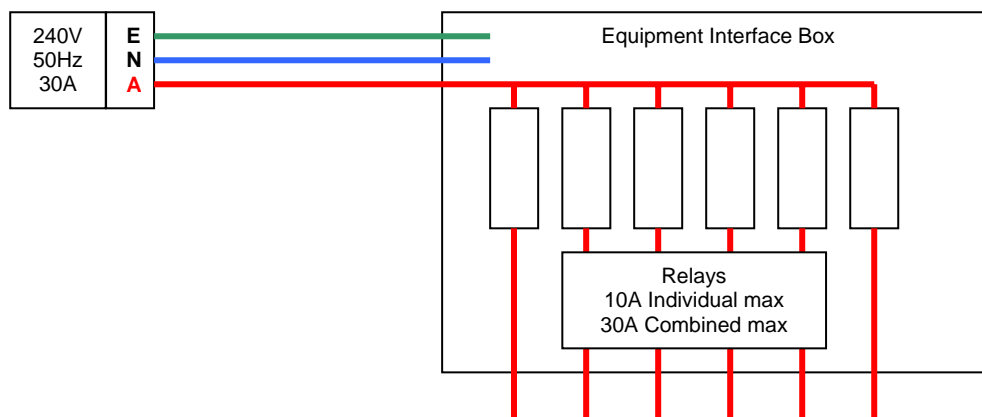
Maximum Operating Temperature 80°C

Minimum Operating Temperature - 5°C

IP Rating IP 54

Relative Humidity 0 to 95% non-condensing

### Wiring Schematic



## PART 4: OPERATING INSTRUCTIONS

### Manual Operation

With the pool heater control or the remote control switched on, press the AUX button to access the auxiliary outputs. After pressing the AUX button auxiliary output 1 and OFF will be displayed. Press the AUX button again to switch auxiliary 1 on. Press the AUX button again to switch auxiliary 1 off. Press the up or down button to select the next auxiliary output (6 in total) and use the procedure described above to select or de-select auxiliary outputs.

### Auto Mode Operation

Refer to the Raypak pool heater installation and operating instructions for auto mode operating instructions.

## **PART 5: WARRANTY**

Rheem Australia will repair or if necessary replace any Raypak Equipment Interface Box which fails within the Warranty Periods specified hereafter, in accordance with and subject to the conditions and exclusions mentioned herein.

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### **WARRANTY PERIODS**

#### **Raypak Equipment Interface Box**

- Parts 1 year
- Labour 1 year

### **WARRANTY CONDITIONS**

1. The Equipment Interface Box must be installed in accordance with the Raypak installation instructions included and in accordance with all statutory, local and State requirements.
2. Where a failed component or the Equipment Interface Box is replaced under warranty the balance of the original warranty period only will remain effective. The replaced part or heater does not carry a new warranty.
3. Where the Equipment Interface Box is installed outside the boundaries of a metropolitan area as defined by Rheem, or further than 25km from a regional Rheem branch office or an accredited Rheem service Agent, the cost of transport, insurance and travelling costs between the nearest Rheem branch or Rheem Agents premises and the installed site shall be the owner's responsibility.
4. The warranty only applies to the Raypak supplied Equipment Interface Box and genuine (Rheem or Raypak sourced) component replacement parts and therefore does not cover any plumbing or electrical parts supplied by the installer and not an integral part of the Raypak supplied Equipment Interface Box, e.g. pressure limiting valves, isolation valves, non-return valves, electrical switches, pumps, fuses, lights, blowers, electric motors etc.

### **WARRANTY EXCLUSIONS**

Repair and replacement work will be carried out as described in the Warranty Period, however the following exclusions may cause the warranty to become void and may incur a service charge and/or the cost of any parts used.

1. Accidental damage to the Equipment Interface Box or any component, including:
  - a. Acts of God;
  - b. Failure due to misuse;
  - c. Incorrect installation;
  - d. Attempts to repair carried out by other than Rheem or an accredited Agent;
2. Where it is found that there is nothing wrong with the Equipment Interface Box.
3. Where there faulty electrical connections;
4. Where there is a failure of electricity supply or it does not comply with relevant codes or acts.
5. Where the Equipment Interface Box or its components have failed directly or indirectly as a result of:
  - a. Power surge;
  - b. Corrosive atmosphere;

Date of Installation:

Installed by:

Purchased From:



RAYPAK AUSTRALIA PTY LTD

Raypak Australia

Sales:      Ph:    1300 729 725    (Australia)  
                       61 3 9757 3333 (Outside Australia)  
                       Fax:    61 3 9757 3350

Service:    Ph:    131 031        (Australia)

