Plus 4 Additional Controller
To be used in conjunction with Genus III or Genus IV

INSTALLATION & OPERATING INSTRUCTIONS

AstralPool Australia Pty. Limited.   A.B.N. 97 007 284 504

Information and specifications subject to change without notice.

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OPERATION INSTRUCTIONS

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INTRODUCTION

Congratulations! You have purchased a high quality Plus 4 Additional Pool and Spa Controller. This unit is designed to be an 4 function expansion module used in conjunction with a Genus III or Genus IV Pool and Spa Control. Please read the instructions carefully and your purchase will provide you with years of trouble free use.

COMPONENTS INCLUDED

1 x Power Module / Equipment Centre
1 x Console / Touchpad
1 x Surface Mounting Bracket
1 x 3m RJ Cable for Relay Box connection to Genus III/IV Relay Box (attached)
1 x 400mm RJ Cable for Console connection the Genus III or IV Console (attached)
1 x Installation and Operation Manual
1 x Set of mounting Screws

OPERATION CONSOLE / HANDSET

The Console Handset is designed to be installed alongside the original Genus III/IV Console

Genus IV (not supplied)   Plus IV Control

Your Handset will control 4 addition functions which are explained below;

Aux 5   Turns Aux 5 On or Off (Max Load **15** amps)

Aux 6   Turns Aux 6 On or Off (Max Load **15** amps)

Aux 7   Turns Aux 7 On or Off (Max Load 10 amps)
                          and / or
                          Will control up to 2 Motorised Valves

Aux 8   Turns Aux 8 On or Off (Max Load 10 amps)

Total load of equipment connected the Plus 4 unit is not to exceed 40 amps.

PLUS 4 POOL AND SPA EQUIPMENT CENTRE

INSTALLATION

WARNING!

The Plus 4 remote system is connected by 6 wire flat cable with RJ12 connectors. The Cable with RJ12 Connection to the Genus III / IV must be installed before power is supplied to the Power Supply Module. The combined load of equipment operated must not exceed 40 Amps. The Power Supply Module must be hard wired by a licensed electrician. To avoid a safety hazard, the supply cord if damaged, must only be replaced by Hurlcon, or its service agent or a suitably qualified person. For products with fixed wiring, a means of disconnection must be provided in the fixed wiring. The Pool and Spa Equipment Centre is not intended for use by young children or infirm persons without supervision. Please ensure that young children are supervised to ensure that they do not play with the Pool and Spa Equipment Centre.
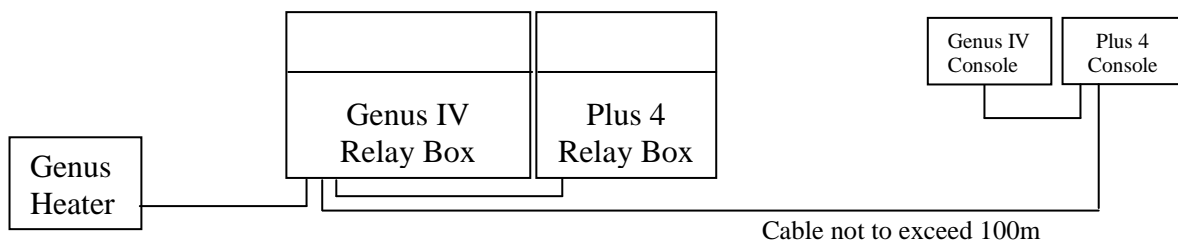
POWER SUPPLY MODULE MOUNTING BRACKET

The Plus 4 Power Supply Module comes with a wall mounting bracket so it can be securely fixed to any wall. The Power Supply Module should be mounted next to the Genus III/IV Power Module and must be hung where it is protected from direct sunlight and rain (IPX3).

1.   Remove wall mounting bracket from Power Supply Module by un-doing the screw located near the Aux 8 and 5 socket.
2.   Screw mounting Bracket to wall.
3.   Engage the Power Supply Module's top rear edge with the joggled section on the top of the bracket.
4.   Align the screw hole in the underside of the Power Supply Module with the hole in the lower face of the mounting bracket and secure.

RJ12 Data Cable Connection Points

Genus IV with Plus 4 Controller

Cable not to exceed 100m

Genus III with Plus 4 Controller

Cable not to exceed 100m

HANDSET CONNECTION

The Additional Plus 4 handset has been designed to be installed on the Right hand side of the Genus III/IV Handset. The method of installation should be the same as the existing Genus Console and will depend on the surface the Remote Control is intended to be fixed to. Below is a guide to where each method would be most suitable.

The Handset is supplied with two types on mounting systems. Surface Mount and Flush Mount Kits. The flush mount kit is attached during shipping. For surface mounting, unscrew the Flush Mount cover of the Handset and feed the 6 wire flat cable through the square hole in the back cover on the mounting bracket selected for installation. Connect it to one of the RJ12 socket on the PCB. The 400mm RJ cable will the pass back out the unit and Connect to the Genus III/IV Console. If the Surface mount bracket is used, attach this to the wall using appropriate fixing screws, once RJ 12 Cables are attached clip the console into place. If the Surface Mount Bracket is used, feed the cable under the off-set plastic tabs. Then attach the RJ 12 Cable and clip the console into place.

The Remote Controls are supplied with specially designed double sided tape for flush mounting. The tape is designed for installations with flat surfaces, where maximum strength is required and where removal will not damage the surface and is suitable for indoor and outdoor installations. Note – when installing into plaster or similar use the plaster wall mount bracket. See below for installation instructions.

When flush mounting, the Remote Control can also be installed using silicone sealant for surfaces that are un-even.

The cut out size for flush mounting just the Plus 4 console 99mm x 67mm.
The cut out size for flush mounting both the Plus 4 and the Genus III/IV console 297mm x 67mm.

If Surface Mounted, Tape is to be removed before installation

The correct Touchpad label needs to be fitted to suit the setup that you require. As a default, the Genus system is set-up as a 4 function system with no Pool/Spa valve actuation, therefore the label with Aux 3 would need to be fitted. If reconfigured to operate with valve actuators, the label with Pool/Spa will need to be fitted.

PLASTER WALL BRACKET INSTALLATION

1. Remove the original Genus III/IV Console from the wall.
2. Extend the hole in plaster to an overall width the 298mm
3. Using the 2 mounting brackets as a guide drill screw holes 4mm diameter.
4. Feed RJ12 cables through the cutouts. Push bracket back into hole and bend the tabs behind the plaster.
5. Screw the 6# Countersunk screws (supplied) through the holes into the tabs. The tabs will tighten behind the plaster.
6. Feed the RJ12 cable through the back cover and fix cover to the mounting plate
7. Remove the backing paper of the tape gasket. Connect cables to RJ12 connection on circuit board and push panel back into bracket. Panel will clip into the fixed back cover.
8. For removal, using a flat screw driver, insert the screw driver between the front panel and the wall bracket. The front panel will unclip with a slight leaver action.

PROGRAMMING PLUS 4 SETTINGS

Upon connection to the Genus III or IV System, you new Plus 4 Console must be configured so that all 8 Auxiliaries now function. To do this the following instructions must be followed.

While the Genus III/IV Console Heater setting displays "OFF", hold the "ON/OFF" button down and press the following combination:

Configuration	Button Sequence	Thermostat Displays Briefly
8 function mode (Plus 4 unit connected) or 4 function mode (no Plus 4 unit)	Cool, Warm, Cool, Cool **or** Cool, Warm, Cool, Warm	8 Button Mode **or** 4 Button Mode

PROGRAMMING PLUS 4 SETTINGS

Equipment can now be connected to the Power outlets located on the underside of you please controller.

Aux 5   Max Load **15** amps

Aux 6   Max Load **15** amps

Aux 7   Max Load **10** amps

Aux 8   Max Load **10** amps

Total load of equipment connected the Plus 4 unit is not to exceed 40 amps.

WARRANTY

Your Function Remote with Temperature Adjustment is covered by a limited 12 month in field warranty (plus 30 days to allow for installation) against defective parts and faulty workmanship.

To make a warranty claim contact our service department at the nearest Hurlcon office. To stand behind our warranty we have established a network of service agents across Australia. In field labour warranty is applicable in Capital City Metropolitan areas or within a 20km radius of an authorised Hurlcon service agent. For products installed outside of these areas, a travelling and time charge will be payable.

This product contains no user serviceable parts. Should a fault develop, turn the power off to the main relay box and call Hurlcon's service department.

Limitations

All warranties only apply if the equipment is installed and operated in complete compliance with the installation and operating instructions.

Specific limitations and exclusions include but are not limited to, water ingress into Power Supply Module and Remote Control, excessive appliance current load on any one or number of power outlets, misuse or abuse whether intentional or accidental.

Hurlcon assumes no liability for consequential damages of any kind. In field labour warranty is applicable in capital city metropolitan areas and within a 20 km radius of Hurlcon Authorised Service Agents. Should you request a warranty service call and the problem is diagnosed as non-warrantable, you will be charged for a diagnostic service call plus any parts and labour required to repair the Multi-Function Remote Controller. No person is authorised to make any representations on behalf of Hurlcon.

Commercial Installation

On Commercial Installations, such as health clubs, motels/hotels and hydrotherapy facilities, parts and in field labour warranty (in capital city metropolitan areas and within a 20 km radius of Hurlcon Authorised Service Agents) is 12 months from the date of purchase plus 30 days to allow for installation.

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