OTES:

- If any of the menu items are left unattended for 3 minutes, the menu will time out and automatically save all settings and return to automatic operation.
- automatic operation.

 2. If a sensor fault is detected the controller will display which sensor and what the fault is.
- Should power be interrupted for any reason, the controller will resume normal operation when power is restored, all information will have been kept for 10 days.
- 4. If the controller has stopped pumping and is displaying a higher temperature than expected it may be caused by a pump which is failing to prime, check the pump and if necessary prime the pump as per the pump manufacturers' instructions then reset the controller by turning it off/on.
- Maximum combined rated output load for the 240V socket(s) is 9.98 Amps / 2395 Watts.

- Degree of protection against moisture: IP33.
- 7. Smaller bodies of water running a higher temperature limit [i.e. spa] the sample time should be set shorter than larger bodies of water that run lower temperature limits [i.e. pool]. If the pump runs for 3 minutes and stops frequently, then increase the sample time as the body of water is not losing much heat.
- On power-up there is a counter next to the revision number that displays the number of interrupted heater cool-down cycles. This number cannot be reset.
- A voltage free switch can be wired into the righthand Red plug which will force heating out of demand times.

PAH00001

ASTRAL POOL A

INTELLI-HEAT AP - INTEGRATED SYSTEM

Instruction Manual



If the power cord is damaged, do not use the controller; return the unit to the supplier for repair.

CUSTOMER RECORD (To be retained by the customer)

SERIAL NUMBER

DEALER/INSTALLER NAME

DATE INSTALLED

For service assistance phone 1300 186 875

Fluidra Group Australia www.astralpaol.com.au PO Box 7238, Wetherill Park NSW 1851 Australia

AstralPool Intelli-Heat AP Integrated v1.0

it displays 'cooldown' the pump is running with the heater switched off.

off. A heater cool-down continues to operate the pump for an adjustable period and if the chlorinator is not

When the chlorinator turns off, the Intelli-Heat AP continues to operate to meet its own heating times 8 temperature limits. If the temperature limit is reached or if outside of heating times, the heater is switched

The Intelli-Heat AP is fitted with an LCD screen which displays whether the pump or heater is on or off, when

currently active, the unit will stop the pump and start an adjustable sample wait period.

contact rated to 5A @ 24Vac. This unit is designed to be connected to a Chlorinator output via a secondary

The Intelli-Heat AP Controller is designed to switch a 240Vac pump and control a heater via a relay

DESCRIPTION

power lead (Black). When the chlorinator output is turned on, the Intelli-Heat AP switches on the pump and the heater is turned on. This is dependent on the heating times and temperature limits as set on the

Intelli-Heat AP.

INSTALLATION INSTRUCTIONS

THIS APPLIANCE IS NOT INTENDED FOR USE BY SUPERVISION. PLEASE ENSURE THAT YOUNG CHILDREN ARE SUPERVISED TO ENSURE THAT THEY DO NOT PLAY WITH THE APPLIANCE YOUNG CHILDREN OR INFIRM PERSONS WITHOUT

CONTROLLER MOUNTING

600mm above ground. The power cable is 1.8m Ideally, as with all pool equipment, it should be 3 metres from the water's edge and a minimum installed out of direct weather and no closer than power outlet, not into an extension lead. long and should be plugged directly into a genera Find a suitable location to mount the control box

To remove unit, lift and gently pull away from via screws and wall plugs kit provided, and slide Fix the mounting bracket to a solid structure screws on the back of unit to ensure snug fit the controller on, locking into place. Adjusting

PUMP CONNECTIONS

socket labelled PUMP The pool circulating pump plugs into the 240V

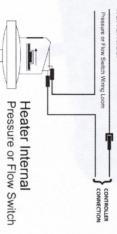
SANITISER CONNECTION

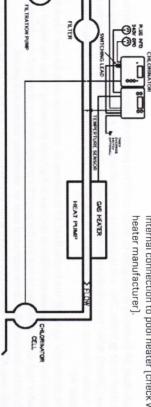
etc.] connects directly into a general power outlet and dosing requirements. the sanitiser to operate for the required filtration lead from Intelli-Heat AP into the sanitiser. Set not into an extension lead. Plug the Black power The sanitiser (Ioniser, Chlorinator or Ozoniser

POOL SENSOR

shaded side of the pipe to prevent extreme the copper in the cable. The blue sensor plug is to of the cable from the sensor should be tied to the 14.0mm drill-bit used spinning in a counter in a position out of direct sunlight. It is circuit, as close to the pool as practical, preferably be fitted to the plug socket marked POOL ambient conditions leeching into the sensor via and gently push in the sensor barb. Ideally ~30cm shattering pipe. Insert the grommet into the pipe clockwise direction to minimize the chance of using a small pilot hole can be drilled with a where water will collect]. This can be carried out the side of the PVC pipe (not the top of the pipe recommended that a 14.5mm hole be drilled into The pool sensor must be fitted into the heating

warranties caused by incorrect connections will void for typical connection set-up. Note damage for correct interlocking procedure. See picture pressure switch. Check with heater manufacturer output marked HEATER to the heaters flow or Connect the heater cable from the Controller





Internal connection to pool heater [check with

POOL/SPA

OPERATING INSTRUCTIONS

LCD SCREEN

pool and roof temperatures, solar temperature In automatic mode, the LCD screen displays the temperature. controller displays the temperature and day & date (clock). In manual heating mode the limit, on/off/locked-out status and the time of set

LCD INDICATORS

point to text on the label There are arrow icons on the LCD screen that

MODE BUTTON

Three options are available, heating, 1st heat and

runtime. HEATING MODE (AUTO) performs heating during the

run the heating during the set run times the controller revert back to heating mode to only run the pool until the desired temperature limit is 1ST HEAT will ignore the run timer (RUNHRS) to [RUNHRS]. achieved. Once the temperature limit is reached

minute maintenance flush occurs every day at STANDBY does not perform heating but a three

function performs cooling during the runtime **COOLING** use with heat pumps that have a cooling

↑ AND ↓ BUTTONS [TEMPERATURE SETTING]

DOWN button will decrease. simply press the UP button to increase and the To change the pool or spa temperature limit

ENTER BUTTON

backlight is lit will enter the SETTINGS MENU; backlight, pressing the ENTER button while the Pressing the ENTER button will turn on the LCD

the currently displayed [flashing] item the LCD screen. Press the ENTER button to accept all selectable and changeable values will flash on system can be navigated using the ↑ or ↓ buttons All menu items are shown below; The following will be displayed; 1] EXIT, The menu

2) CLOCK

3) RUNHRS

4) SYSTEM

Press ENTER on this menu to return to automatic operation

2) CLOCK

When selecting the clock, you will have to set the time of day

3) RUNHRS

day to run, CYCLES OFF to 2. set the number of automatic heating cycles per When selecting this menu, you are prompted to

If OFF is selected [no automatic heating] then the following menus are skipped.

between these hours. Set the start time [S1 be prompted to set the start & end time(s); the steps [30 mins], repeat if a 2nd cycle is selected hh:mm] and end time [E1 hh:mm] in half hour heater [with pump] will only be allowed to run If 1 or 2 heating cycles per day is selected, you wil

4) SYSTEM

Here is a sub-menu;

INSTALL SAMPLE LCD TIME

automatic operation. EXIT - Press ENTER on this menu to return to

DEFAULTS

SAMPLE Temperature limit sample time (S xx achieved *7 period once the temperature limit has been MIN], this stops the pump for the selected time

INSTALL;

CAL – Calibrate the TSO2P sensor

switches off the pump is locked to run for a time pipes] from heat soak. heater and prevent damage to the heater [and period without heating, this is to cool down the SET HEATER COOL- DOWN - When the heater

1 to 30 minutes. (HP is For Heat Pump that Set run-on time [R XX MIN] is adjustable from HP. require no cool down]

pressed. (Select NONE for always on.) LCD TIME – Adjust the number of seconds the backlight remains on after the time a button was

DEFAULT - Returns all setting the factory