



Air Switch Spa Controllers

INSTALLATION AND OPERATING INSTRUCTIONS



GENERAL NOTES

The Astral Pool range of Air Switches are designed to operate a pump and or an auxiliary appliance (light, blower, additional pump etc.). Time clock models provide an automatic filtration and temperature maintenance facility, and allows the spa user to operate the pump and auxiliary from the spa via air switch buttons which are connected to the controller by air tube. Manual versions offer air switch button control only.

Time clock versions have an integral time clock, (for temperature and filtration maintenance). Controllers may utilize two different brands of time clocks. The "Lagrand" time clock has a 2 position "on" and "time clock" operation switch located at the top right of the clock. The "Gasslin" time clock has a 3 position "off", "auto", and "on" switch located at the bottom left of the switch.

Air switch buttons must be purchased separately. The time clock may be programmed to turn the pump on and off several times each day. Automatic heaters will also start once the pump is started by the time clock and reheat the spa to the desired temperature.

Time clocks are either supplied with a 10Amp GPO, 15 Amp GPO or 25 Amp wiring connection pending model purchased. The total power usage from connected appliances must not exceed the input rating on the dataplate.

NOTE :

The appliance is not intended for use by young children or infirm person without supervision. Please ensure that young children are supervised to ensure that they do not play with the appliance.

INSTALLATION

This device must be installed by an authorized person.

This device must be installed in accordance with the installation instructions, the National Wiring Rules and any other relevant statutory authorities.

The controller should be securely mounted out of direct sunlight and rain, and within 10 meters of the spa. Air tube that is run over a greater distance may not operate the air sensors within the controller satisfactorily.

Air switch tube must be connected to the nipple on the side of the controller. The tube must never contain moisture, as this will cause the controller to malfunction. Air switch tubes can safely be run for a distance up to approximately 10 meters.

Tubes should be run through conduit wherever possible.

The Auto/manual switch should be left in the auto position. This will allow the controller to turn the pump on and off as set on the time clock. The pump may also be turned on via the pump air switch button at any time.

The Auxiliary air switch will not be turned on by the time clock – this is operated solely by the auxiliary air switch button.

The clear hinged door should remain shut at all times during operation of the unit.

For 25 amp models a multi-pole isolating switch must be installed that operates all live conductors so that it isolates the entire equipment from the supply. A 15 Amp socket outlet is provided for the pump and a 10 Amp socket outlet is provided for a blower or other auxiliary device. The sockets are located on the underside of the control unit.

OPERATION

TIME CLOCK MODELS

There are two modes in which the pump may be operated – automatic and manual. The automatic/manual override switch is found on the face of the time clock. Generally, this switch should be left in the automatic position (indicated by a clock symbol) to achieve daily filtration and temperature maintenance of your spa pool. The On position (indicated by I) turns the pump on and leaves it on.

Automatic pump operation – When left in the automatic position the time clock will automatically start the pump at the times you select. If you choose to operate the pump outside the selected time clock hours, simply press the pump air switch button. To return to time clock operation, turn the pump off at the air switch.

Auxiliary – The auxiliary air switch can be operated by the air switch button at any time independently of the time clock, pump and heater.

Setting the Clock – Time clock settings are adjustable in 10 minute periods. Slide the tab/s for the time period/s required in the outwards direction. To test the settings, manually turn the hands of the clock and you should be able to hear the equipment turning on and off.

MANUAL OVERRIDE

TIME CLOCK MODELS

To turn the pump on without using the air switch button, simply open clear hinged door, remove the time clock cover and turn the automatic/manual switch to On (I) position. The pump will then operate regardless of the time clock and air switch settings. To return to air switch or time clock operation of the pump, simply turn the switch back to Automatic. Always replace the time clock cover and close the clear hinged door.

The auxiliary air switch facilities will continue to operate when the pump is in manual override, however, the pump air switch is made in-operative.

OPERATION

NON-TIME CLOCK MODELS

The air switch / switches can be operated by pressing the air switch buttons. Devices will be turned on or off with each button press.

Note: If the supply cord is damaged, it must be replaced by AstralPool or authorized service agent or similarly qualified person to avoid a hazard.

Power to this controller must be either;

- **Supplied by an isolating transformer**
- **Supplied through a residual current device (RCD) with a rated residual operating current not exceeding 30mA**

MAINTENANCE OF YOUR AIR SWITCH

Maintenance Schedule: Your new product incorporates moving parts and withstands high velocity water with chemicals in it. Some of these parts will wear in the normal course of use and require regular checks and maintenance. Performing these checks and maintenance will identify parts that have worn and require repair/replacement before further serious damage is sustained. A small amount of regular care and attention to your pool equipment will help ensure long life and trouble free performance.

To protect against extremes of temperature, your unit is vented to allow expensive electronics to cool. Ants and some insects are often attracted to the warmer, dry environment inside the enclosure. We recommend that, with power turned off, you spray a surface insecticide on the surfaces surrounding the control to prevent ant and insect ingress. Repeat every three months or as necessary.

Timing	Maintenance Check	Service action (if required)
Three Monthly	Check for insects/ants	Spray a surface insecticide on the surfaces around the unit to prevent ant and insect ingress.

Important note: Regular maintenance is important to ensure long life and trouble free performance of your pool equipment. If unable to perform the maintenance yourself, contact your local AstralPool office who will arrange a trained service technician to perform the maintenance for you.

WARRANTY

AstralPool Australia Pty Ltd (ABN 97 007 284 504) ("AstralPool") provides the following warranty in relation to its AstralPool Air Switch Spa Controller ("Product").

The benefits of this warranty are in addition to any rights and remedies imposed by Australian State and Federal legislation that cannot be excluded. Nothing in this warranty is to be interpreted as excluding, restricting or modifying any State or Federal legislation applicable to the supply of goods and services which cannot be excluded, restricted or modified.

WARRANTY

AstralPool warrants that, subject to the exclusions and limitations below, the Product will be free from defects in materials and workmanship during the warranty period. The warranty periods are set out below and commence 30 days after the date of purchase (to allow for installation). The warranty period may vary for different parts of the Product.

Parts	Warranty Period
Materials and Workmanship	12 months

If a defect appears in the Product before the end of the warranty period and AstralPool finds the Product to be defective in materials or workmanship, AstralPool will, in its sole discretion, either:

- Replace or repair the Product or the defective part of the Product free of charge; or

(b) Cause the Product or the defective part of the Product to be replaced or repaired by an Authorised AstralPool Service Agent free of charge.

AstralPool reserves the right to replace defective parts of the Product with parts and components of similar quality, grade and composition where an identical part or component is not available.

Goods presented for repair may be replaced by refurbished goods of the same type rather than being repaired. Refurbished parts may be used to repair the goods.

WARRANTY CLAIMS

1. If a fault covered by warranty occurs, the customer must first contact AstralPool at the contact address listed below, or an Authorised AstralPool Service Agent.
2. Any warranty claim must be accompanied by:
 - (a) Proof of purchase;
 - (b) Full details of the alleged defect; and
 - (c) Appropriate documentation (such as historical and maintenance records).
3. The customer must make the Product available to AstralPool or its Authorised AstralPool Service Agent for inspection and testing. AstralPool or its Authorised AstralPool Service Agent will attend the premises where the Product is installed for inspection and testing. If the Product is installed:
 - (a) Outside a capital city metropolitan area; and
 - (b) is not within a 20 km radius of an Authorised AstralPool Service Agent;Then the customer may have to pay a travel fee.
4. If such inspection and testing finds no defect in the Product, the customer must pay AstralPool's usual costs of service work and testing. If such inspection and testing finds a defect that is not covered by this warranty, the customer must pay AstralPool's usual costs of service work plus any parts and labour required to repair the Product, unless recoverable from AstralPool on the failure of any statutory guarantee under the ACL.

Exclusions

The warranty will not apply where:

- (a) The customer is in breach of the Terms and Conditions of Sale;
- (b) The Product was used for a purpose other than one it was intended for;
- (c) The Product was repaired, modified or altered by any person other than AstralPool;
- (d) The Product has not been installed, maintained and/or operated in complete compliance with the installation and operating instructions and any instructions by AstralPool;
- (e) The Product has been subject to accident, negligence, alteration, abuse or misuse.

The warranty does not extend to:

- a) Normal wear and tear;
- b) Weather and other environmental conditions including but not limited to storm, flood, and/or heat wave damage; or
- c) Service and maintenance items.

Examples of exclusions include but are not limited to:

- Accident, neglect, alteration, abuse or misuse.
- Insect infestation.

LIMITATIONS

AstralPool makes no express warranties or representations other than set out in this warranty.

The repair or replacement of the Product or part of the Product is the absolute limit of AstralPool's liability under this express warranty.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.



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