

Aquasun 3 LS3S

Instruction Manual



DESCRIPTION

The LS3S is a time clock for the automatic operation of the 240V socket marked PUMP. In automatic operation the unit allows for up to 2 run times per day. By using a level switch on the ROOF input the PUMP can also be triggered to run for 10 minutes with a rest period of 1 minute before checking the level switch again. By default if no switch is connected there will be no action. When the level switch triggers the display will indicate 'LEVELING' once activated. The pump can also be set to operate manually for an adjustable number of hours by using the front panel up/down buttons and all configurable items are retained after a power outage for up to 14 days.

INSTALLATION INSTRUCTIONS

CONTROLLER

Find a suitable location to mount the control box. The controller should be installed out of direct weather and no closer than 3 meters from the water's edge, more than 1.2 meters from the ground and more than 30cms away from other equipment. Lift up the two mounting tabs and use two appropriate screws to mount the control box to the wall. Do not drill through any part of the box.

PUMP

Plug the pump into the 240V socket marked as PUMP [at the bottom left hand side of the controller, left of the power cord entry.]

LEVEL SWITCH

Plug the level switch assembly into the controller socket marked as ROOF. If changing from fill to empty then the float on the level switch can be reversed by removing the c-clip and flipping the float, re-fit the c-clip.

SOFTWARE

Select the "Settings Menu" as described in these instructions and set the clock to the correct time then set the required timer run hours and timeout for manual modes then select exit to save the changes, the controller will then start automatic timer mode. Levelling time is fixed and cannot be adjusted.

OPERATION

MANUAL:

If you push the UP button while the PUMP is turned off then the PUMP will be turned on and will remain on for the timeout specified. If you push the UP button while the PUMP is turned on then the controller will revert back to automatic timer mode.

If you push the DOWN button while the PUMP is turned on then the PUMP will be switched off and will remain off for the timeout specified. If you push the DOWN button while the PUMP is turned off then the controller will revert back to automatic timer mode.

AUTOMATIC MODE:

The unit will default into automatic mode whenever the leveller has completed or if the manual mode timer has expired.

SETTINGS MENU

To select the SETTINGS MENU push the SELECT button and the following will be displayed;

1)CLOCK

Press the UP or DOWN buttons to scroll to the option you wish to change. Press the SELECT button to select the sub-menu of the currently displayed menu item.

Available Settings Menu items are shown below;

1)CLOCK
2)TIMER
3)T/OUT
4)SYSTEM
5)EXIT

The settable items in the menus will be flashing, to change these values use the UP or DOWN button to adjust the value, if the value is correct press SELECT to move to the next value, once all settings have been set you will return to the settings menu, press the UP or DOWN button to scroll to EXIT and press SELECT to save your adjustments.

1)CLOCK

Set the time of day in 24 hour format, note there is an AM/PM indication to avoid incorrect settings. Seconds are automatically set to zero.

2)TIMER

The first option is the number of CYCLES (1 or 2); this selection determines how many times per day the OUTPUT 1 will operate.

Once the number of cycles has been selected you will be prompted to set the start & end time(s); the OUTPUT 1 will only be allowed to run automatically between these hours.

Set the start time (S1 hh:mm) and end time (E1 hh:mm) in half hour steps (30 mins) if 2 CYCLES was selected then also choose the start time (S2 hh:mm) and end time (E2 hh:mm).

NOTE: if the 2 cycle times overlap you will end up with only 1 cycle.

NOTE: if a 24 hour continuous run time is required then set the start time and end time to the same value. [E.g. S1 12:00, E1 12:00]

3)T/OUT

T/OUT is for manual mode timeout, set for the number of hours you want manual mode to operate before resuming to automatic mode.

Range is OFF (0) to 24 hours. When a timeout of 0 is set then manual mode will never revert to automatic.

The levelling input will be ignored in manual mode if a timeout is set, when set to 0 then levelling take priority over manual mode.

4)SYSTEM

Two options are available in the system menu, DEFAULTS or EXIT. Selecting EXIT returns you back to the Settings Menu without changes. If you select DEFAULTS then all settings are set to the factory default values (2 CYCLES from 08:00 to 13:00 & 16:00 to 20:00)

5)EXIT

When this menu is selected push SELECT to save ALL settings, the unit will then return to automatic operation.

Note: 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.

NOTES:

1. Should power be interrupted for any reason, the controller will resume normal operation when power is restored, all information will have been kept. The clock may lose time after 14 days.
2. Check the product label for maximum allowable load.
3. On some models the SELECT button is labeled as ENTER.

OPTIONAL REMOTE (LS3SR)

Push the ON or OFF button to manually start or stop the pump, the pump will be in manual mode until the time-out is exceeded (see menu item 3 T/OUT).

Remote Battery replacement:

Open the remote by undoing the 2 Philips heads screws, replace battery (observe polarity), replace cover and screws. Battery is a CN23A Alkaline, dispose of batteries appropriately (not in domestic waste).

WARRANTY – AQUASUN 3 LS3S

This range of product is covered by a limited 2 year warranty against component failure or faulty workmanship from the date of installation.

A faulty unit should be returned in the first instance to the dealer from which the unit was purchased.

Damage to the unit due to misuse, power surges, lightning strikes or installation that is not in accordance with the manufacturer's instruction may void the warranty.

Warranty does not cover travel costs to or from installation site.

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]

DEALER/INSTALLER NAME

SERIAL NUMBER

DATE INSTALLED

For service assistance phone 1300 130 693



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