AQUATIME FT01T

Instruction Manual

DESCRIPTION

The Aquatime FT01T is a time clock for the automatic operation of a pool pump.

It allows for a single or dual cycle(s) per day when the heat pump demands operation.

In the event that there is a power failure, the clock will keep the correct time of day and its programmed filter cycle times.
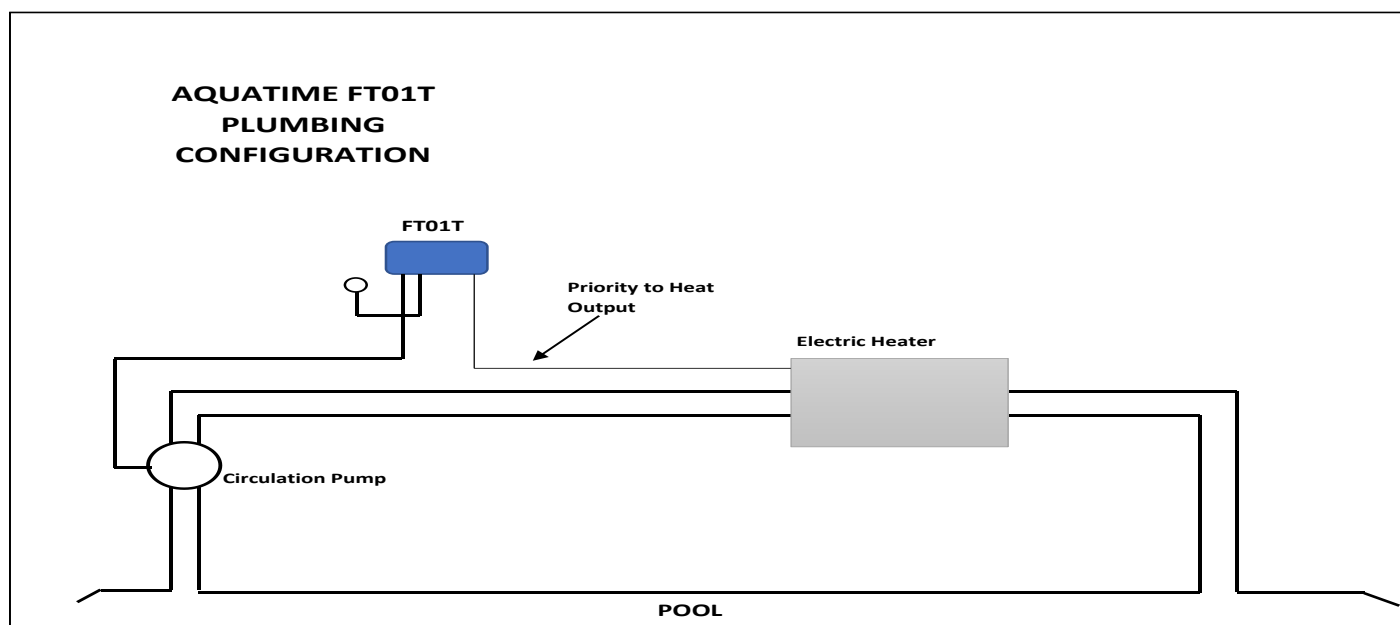
INSTALLATION INSTRUCTIONS

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

⚠️ *Ideally, as with all pool equipment, the controller should be installed out of direct weather.*

CONTROLLER MOUNTING	Find a suitable location to mount the control box.
	The controller should be no closer than 3 metres from the water's edge and a minimum 600mm above ground. The power cable is 1.8m long and should be plugged directly into a general power outlet, **not into an extension lead.**
	Lift-up the two mounting tabs and use two appropriate screws to mount the control box to the wall
	To remove unit, undo the screws slightly, push the controller upwards and gently pull away from structure
PUMP CONNECTION	The Circulation pump plugs into the 240V socket labelled PUMP.
	The maximum load is 9.98 AMPS at 2395W or 14.96 AMPS at 3590W depending on which specification the controller is.
HEATER CONTROL	Connect the interlock cable from the FT01T controller output **(right hand socket with the green plug)** to the heater's external controller connection point (inside the heater). Check with heater manufacturer for correct interlocking procedure.
	The heater interlock is for extra low-voltage (MAX 24V at 1Amp) switching only.
	Note: If the heater's External switching circuit is greater than 24Vac, an external relay kit (can be purchased separately), <u>*is to be installed by a licensed electrician.*</u>
	Note damage caused by incorrect connections will void warranties.
LCD SCREEN	The LCD screen displays the pump on status, on/off/locked-out status, run times and the time of day & date (clock).
NOTES:	1. 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.
	2. Should power be interrupted for any reason, the controller will resume normal operation when power is restored. All information will be kept for up to 10 days.
	3. Degree of protection against moisture: IP23.
	Store pool chemicals safely, at least 3 metres away from all pool equipment.

PLUMBING CONFIGURATIONS

AQUATIME FT01T
PLUMBING
CONFIGURATION

FT01T

Priority to Heat Output

Electric Heater

Circulation Pump

POOL

OPERATING INSTRUCTIONS

ENTER BUTTON

Pressing the ENTER button will turn on the LCD backlight. Pressing the ENTER button while the backlight is lit will enter the SETTINGS MENU. The following will be displayed:

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

All menu items are shown below:

1) CLOCK
2) TIMERS
3) MANUAL
4) SYSTEM
5) EXIT

1] CLOCK	The settable items in menus will be flashing, use the UP or DOWN button to adjust the value. If the value is correct press ENTER 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 ENTER to save your adjustments.
2] TIMERS	The first option is the number of cycles [1 or 2]; this selection determines how many times per day the pump will operate. Once the number of cycles has been selected you will be prompted to set the start & end time[s]; the pump will only be allowed to run 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 is selected then choose the start time [S2 hh:mm] and end time [E2 hh:mm]. _Note 1_: Take care not to overlap filter cycle 2 times with the filter cycle 1 times as the result will be one cycle per day. _Note 2_: For 24hr filtration, set to run 1 time per day with the start & end times the same (E.g. 12:00 – 12:00).
3] MANUAL	Manual mode runs the appliance regardless of timer settings, the UP and DOWN buttons will vary the time-out value, if you scroll past 24HR and 1HR the appliance toggles from Off to On or vice versa. After the selected time-out value expires the unit will revert to automatic operation.
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	Press ENTER on this menu to return to automatic operation.
↑ AND ↓ BUTTONS	• By pressing the UP button, whilst the appliance is off, will turn on the appliance and it will remain on for 30 minutes. • By pressing the UP button whilst the appliance is on then the controller will revert back to automatic timer mode. • By pressing the DOWN button while the appliance is turned on then the appliance will be powered-off and will remain off for 30 minutes. • If you push the DOWN button while the appliance is off then the controller will revert back to automatic timer mode.

WARRANTY

- This range of product is covered by a limited 3 year warranty against component failure or faulty workmanship from the date of installation.
- Faulty units should be returned in the first instance to the dealer from which the unit was purchased. (Return to Base)
- Damage to the unit due to misuse, power surges, corrosion from pool chemical fumes, lightning strikes and or installation that is not in accordance with the manufacturer's instruction may void the warranty.
- Warranty does not include on-site labour or 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 visit *www.dontek.com.au*

TROUBLE SHOOTING

NO POWER TO THE DISPLAY:

Power point is faulty. Test power point with a known working appliance. If the power point is operational, check the controller in another power point and if there is still no display then send the controller for repair.

RTC-FAIL – This can occur if the unit has been turned off for a prolonged period of time, leave the unit on for ~30 seconds, then turn it off for ~30 seconds before turning it back on.

PUMP FAULTS:

PUMP WILL NOT START:

The pump will only ever run for the purpose of automatic heating if the pool is below the temperature limit set in the heater.

If the pump does not operate then plug the pump into a power point and test operation, if the pump is OK and the heater has power and its time and function settings are correct, then the controller requires repair.

PUMP WILL NOT STOP:

Turn off power to the controller and ensure the pump stops. If the pump continues to operate then unplug it from the power point and connect it to the 240Vac socket marked PUMP at the bottom of the controller.

POOL NOT HEATING:

Check and ensure that the Heater Interlock cable is connected to the plug properly and that the plug is pushed in.

Check and make sure that the heater has power connected.
Check and ensure that the Heater Interlock cable is connected to the appropriate position inside the heater, <u>according to the heater manufacturer's instructions</u>.

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