AQUATIME 5

FILTER PUMP TIMER CONTROLLER
Instruction Manual

DESCRIPTION

The AQUATIME 5 controller will operate a pool pump or other 240V appliance according to the timer(s).
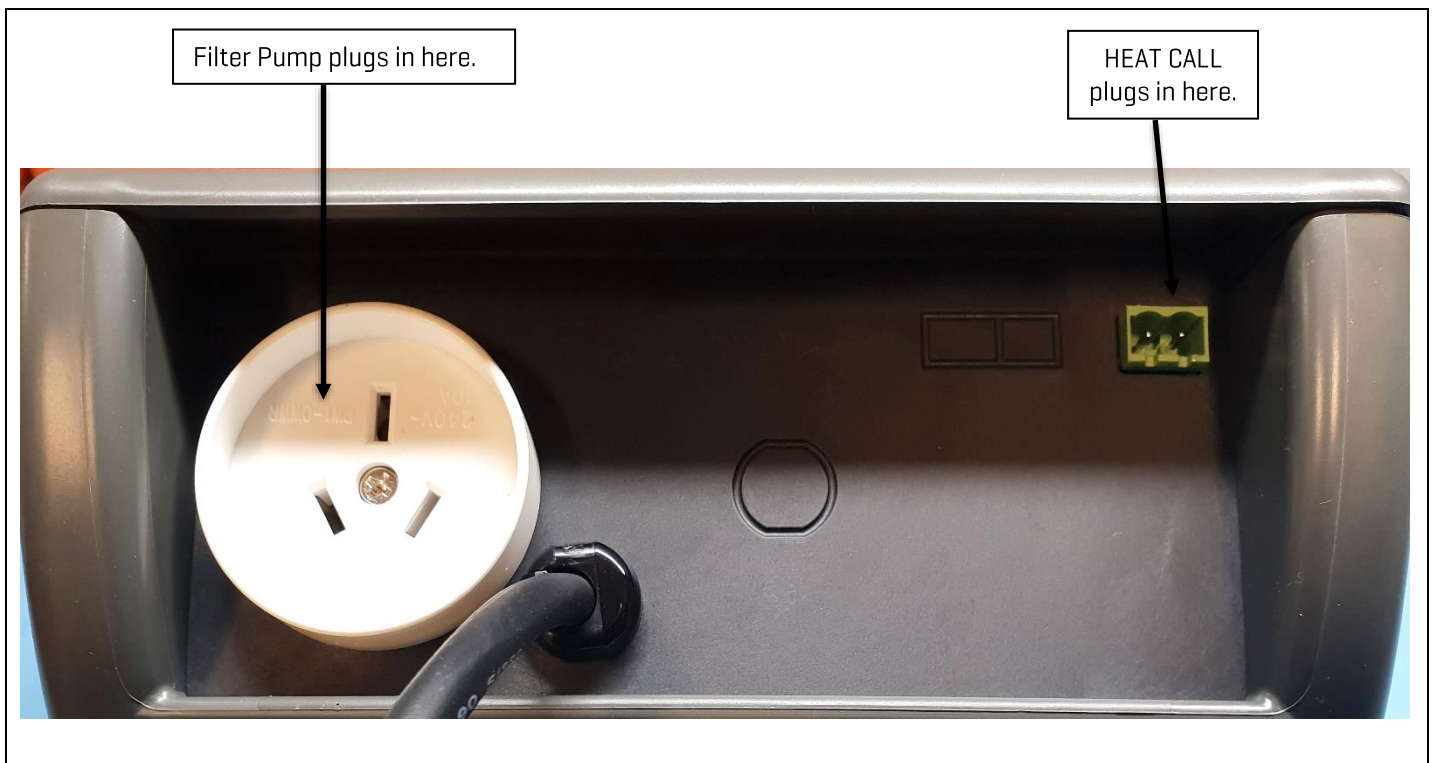
INSTALLATION INSTRUCTIONS

⚠️ THIS APPLIANCE IS NOT INTENDED FOR USE BY YOUNG CHILDREN OR INFIRM PERSONS WITHOUT SUPERVISION. PLEASE ENSURE THAT YOUNG CHILDREN ARE SUPERVISED TO ENSURE THAT 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.** Fix the mounting bracket to a solid structure with the screw and wall plug kit provided. Slide the controller on, locking it into place. Adjust the screws on the back of unit to ensure a snug fit. To remove unit, lift and gently pull away from structure.
HEAT CALL (OPTIONAL)	If there is a heater that can provide a voltage free contact to control the operation of an external pump (filter pump) then this voltage free contact may be connected to the controllers HEAT CALL socket. The HEAT CALL wiring is plugged into the green plug socket beneath the controller. This will ensure that the pump only activates when the heater calls for heat but only while the timer(s) that are set in the AQUATIME 5 are active.
PUMP	The pump plugs into the 240V outlet beneath the controller (marked PUMP on the controller face plate). Maximum rated output load for the 240V socket is either, 9.98Amps / 2395 Watts, **or**, 14.95Amps / 3590 Watts. Please refer to the unit's rating label.

BASE DIAGRAM

Filter Pump plugs in here.

HEAT CALL plugs in here.

OPERATING INSTRUCTIONS

LCD SCREEN	The LCD screen displays the operating mode, HEAT CALL status (if applicable) and the time of day (clock).
LCD INDICATORS	There are arrow icons on the LCD screen that indicate what actions the controller should currently be doing. These arrows point to text on the label.
MODE BUTTON	Pressing this button changes to the next mode of operation. Once the mode button is no longer being pressed then the selected mode of operation is automatically saved. • *AUTO RUN* – In this mode, the unit operates the pump according to the run time(s) set, if HEAT CALL is enabled then the pump will only operate during the run time(s) set AND if the HEAT CALL input is active, this mode is also indicated by the LCD arrow pointing towards AUTO on the label. • *MAN. OFF* – Manual OFF turns the pump OFF and prevents it from starting, this mode is also indicated by the LCD arrow pointing towards STANDBY on the label. • *MAN. ON* – Manual ON turns the pump ON, This mode is also indicated by the LCD arrow pointing towards MANUAL and PUMP on the label. *The factory default MODE is AUTO RUN.* This mode is also indicated by the LCD arrow pointing towards AUTO on the label.
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.
UP/DOWN BUTTONS	The up and down buttons are used in the settings menu for adjusting values. During any of the operating modes they will only enable the LCD backlight. (UP button can be held to skip scrolling messages, pressing both buttons will reboot the controller.)

ENTER BUTTON (SETTINGS MENU – CONTINUED...)

All menu items are shown below:

1) EXIT

2) CLOCK

3) RUNHRS

4) SYSTEM

1) EXIT	Will return to the current operating mode.
2) CLOCK	When selected, you will be prompted to set the current time of day in 24hr format (with an AM/PM indicator)
3) RUNHRS	When selected, you will be prompted to set the number of times to run per day: RUN TIMES PER DAY – 1 or 2 (e.g., once or twice per day) You will then be prompted to set the start time of the 1st timer: SET START & END TIME(S) S1 hh:mm (Start time for cycle 1, hours in 24hr format, minutes in 30-minute increments) You will then be prompted to set the end (finish) time of the 1st timer: E1 xx:xx (End time for cycle 1) If only 1 run time per day is selected then the unit will save the settings and return to the previous operation mode, else If 2 run times are selected: You will then be prompted to set the start time of the 2nd timer: S2 xx:xx (Start time for cycle 2) You will then be prompted to set the end (finish) time of the 2nd timer: E2 xx:xx (End time for cycle 2) Once the run times are selected the settings are saved and the unit returns to the previous operating mode. *The factory default is 2 times per day from 9:00 to 13:00 and 16:00 to 20:00*
4) SYSTEM	*EXIT* – Press ENTER on this menu to return to automatic operation. *HEATCALL* – When selected, you will be prompted 'USE HEAT CALL FEATURE?' Selecting YES will only allow timers to operate if the connected heater is requesting the pump to operate for heating purposes. Selecting NO will select the AQUATIME 5 to operate as a standard timer. Once the selection is made the unit will save the settings and returns to the previous operating mode. *The factory default is NO (don't use HEAT CALL feature)* *LCD TIME* – Adjust the number of seconds the backlight remains on after the time a button was pressed. (Select NONE for always on.) Once the selection is made the unit will save the settings and returns to the previous operating mode. *The factory default is 240 seconds (4 minutes)* *DEFAULT* – Restore the controller back to factory defaults.

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 the selected mode of operation. 2. Should power be interrupted for any reason, the controller will resume normal operation when power is restored. All information will have been kept for up to 10 days. 3. MAX combined rated output load for the 240V socket[s] is 9.98 Amps / 2395 Watts **or**, 14.95Amps / 3590 Watts. Please refer to the unit's rating label. 4. Degree of protection against moisture: IP33. 5. Store pool chemicals safely, at least 3 metres away from all pool equipment.

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*

Dontek Electronics Pty Ltd
PO Box 239, Bayswater VIC 3153 Australia
Phone: +613 9762 8800   Email: sales@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 during the set filtration times and if the HEAT CALL feature is enabled then the optional connected heater must be requesting the pump to be operating.

If HEAT CALL is enabled then "HEAT CALL ACTIVE" or "HEAT CALL NOT ACTIVE" will be displayed after the filter times are displayed.

If the pump does not operate then plug the pump into a power point and test operation. If the pump is OK 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.