



ADVANCED MINERAL POOL SYSTEM

Water Management System

Advanced User Manual



Advanced Settings (ADVANCED) Menu

ADVANCED MENU is accessed by holding the OFF button for approximately 4 seconds and then press the ENT button.

Advanced Settings comprise:

- Chlor Dose Pump ON/OFF (depends on unit type and ORP menu settings)
- POOL – stores information on pool volume and whether concrete or fibreglass
- SYSTEM DATA - shows service information
- FILTER CYCLES - allows up to 4 Filter Cycles to be activated and allows for seasonal timer adjustments.
- AUX - controls timed operation of auxiliary power outlet
- OFF-PEAK RUNNING ON/OFF – used when running on off-peak power
- ADJUST FEED SYSTEM – controls dosing periods and feed/wait times
- Dis/Enable Shutdowns – turns protective shutdowns on/off
- FULL MANUAL ON or AUTO TIMER ON – used when the Unit is being run as a “slave” to another controller.

Chlor Dose Pump ON/OFF

If the unit is being used to control a salt chlorinator it is also possible to run a chlorine dose pump as a back-up. The dose pump can be turned on/off from this menu.

Pool Information (POOL) Menu

From the ADVANCED SETTINGS MENU, use the Y/UP button to scroll up to the POOL Sub-MENU and select by pressing ENT.

The LCD will then ask “ADJUST POOL DATA?” – press Y/UP if you wish to amend the information about your pool. The LCD will then display “POOL? Y/N”. Press Y/UP if you have a pool, and N/DOWN if you have a spa, and then press ENT to confirm your selection.

The LCD will then ask “ADJUST VOLUME?” Use the Y/UP or N/DOWN buttons to adjust the value up or down from the factory default value for the volume of your pool or spa. Confirm your selection by pressing ENT.

The LCD will then ask “CONCRETE OR F/GLASS?” – press Y/UP to toggle between “CON” (for concrete pools) and “F/G” (for fibreglass pools) and press ENT to select the appropriate option.

System Data (SYSTEM DATA) Menu

This part of the Unit software stores information such as hours of operation and should only be accessed by authorised service technicians.

Filter Cycles (FILTER CYCLES) Menu

From the ADVANCED SETTINGS MENU, use the Y/UP button to scroll up to the FILTER CYCLES Sub-MENU and select by pressing ENT. The Factory Settings have two of a possible four Filter Cycles enabled.

The LCD will display the number of enabled Filter Cycles in the lower right hand corner. This number can be adjusted using the Y/UP or N/DOWN buttons, followed by the ENT button to save changes. Remember that if you wish to return to the Home Screen at any time, simply press the ESC/OFF button.

Auxiliary Outlet (AUX) Menu

The optional auxiliary outlet is also timed and pool accessories can be programmed to turn on and off automatically in much the same way as pool lighting is controlled using the Light Timer Menu (See basic manual).

The AUX menu is used to select and adjust the timing system for a power separator – a device used to control the power from a separate power outlet on the base of your Unit. Examples of how this might be used are for an auxiliary pump for an in-floor cleaning system or a pressure cleaner.

Power Separators are run in conjunction with main pump timing. The timing of the AUX system is tied to Filter Cycles 1 & 3 and operating times of 30, 60, 90 to 180 minutes can be selected. Filter Cycles 1 & 3 must be set to run for the same period as the power separator device (or longer).

Press ENT button to access the AUX Menu. Line 2 on the LCD will now read “Man ON? Y/N”. To enable automatic operation press the N/DOWN-button. LCD will read AUX MENU ADJUST, SYSTEM OFF. Adjust the ON time using the Y/UP and N/DOWN-buttons and confirm by pressing ENT. The AUX system is now in automatic. To disable automatic operation, access the AUX menu in the way described above and when asked “Man ON? Y/N” - press the N/DOWN button. Then adjust to SYSTEM OFF.

Manual Operation

The power separator can be controlled from the Home Screen by a pressing N/DOWN. If the power separator is ON, then this will turn it OFF.

If it is OFF, the AUX MENU is activated and Line 2 of the LCD will read “Man ON? Y/N” – press Y/UP to turn it ON and select running time. This will also turn on the main pump if it is not already on.

OFF-PEAK RUNNING

Some owners may wish to run their pool filtration systems overnight to take advantage of lower power tariffs. As most of the pools chlorine demand occurs during the day this is not generally recommended as the pool chlorine residual can drop very low over the day period. To offset this drop the OFF-PEAK RUNNING menu can be used to increase the ORP set point overnight.

Once you have entered the menu you will be prompted to adjust the extra ORP setting. Vary the setting and/or ENTER it and then turn the system ON or OFF.

ADJUST FEED SYSTEM

This system is for service technicians only. It is used to alter the amount the chlorine or acid fed into the pool over a given period of time. Adjustment of these settings can result in incorrect operation for the pool size and alteration should not be attempted unless advised by Theralux Advanced Mineral Pool Systems.

Dis/Enable Shutdowns

Turns any protective shutdowns on/off. For example if the pH goes below 5.9

Chlor Dose Pump ON/OFF

If the unit is being used to control a salt chlorinator it is also possible to run a chlorine dose pump as a back-up. The dose pump can be turned on/off from this menu.

Auto Mode and Full Manual (MAN/AUTO) Menu

Full Manual Mode (FMM)

FMM is used when an external timer is controlling the unit.

If FMM is selected, the pump system is either turned ON or OFF whenever power is supplied to the Unit. The Unit's timer is effectively disabled.

The LCD will indicate that the Unit is in manual mode with either the message "Man ON" or "Man OFF".

AutoMode

When running in Auto Mode, the Unit has up to 4 adjustable Filter Cycles. Factory default settings have Filter Cycle 1 and Filter Cycle 2 enabled.

Filter Cycle 1 is always enabled. The other 3 Filter Cycles can be enabled or disabled (in order) allowing you to increase or decrease running times quickly without adjusting the Filter Cycle ON/OFF times – simply add or remove cycles.

When you first turn on the Unit in AutoMode, the pump will be off even if the time is in the middle of a programmed Filter Cycle. The Unit will wait for the next available ON-time to start the pump and the rest of the system.

If there is an extended power failure, the Unit will continue to keep time for a number of days. During this time the pump ON/OFF-times will still be checked. When power is restored, the system will wake up and turn the pump ON if it is during a Filter Cycle.

Automatic Operation

In AutoMode, Line2 of the LCD will display whether the Pump is ON or OFF and the next OFF or ON time.

Manual Operation while In AutoMode

You can override the AutoMode settings manually by pressing either the ON button (to turn ON if the system is off automatically) or OFF to stop the pump if it is on automatically. The Unit is still in AutoMode and will respond to the next AutoOFF/ON time.

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