

hydro
pro

24/7 DIGITAL TIMER

HEAVY DUTY
TIMER

aquatecequipment.com



QUICKSTART GUIDE

Getting Started

Congratulations on your purchase of this product by

hydropro

Before using your timer, please read the following instructions carefully. This quality product has been tested and certified to meet applicable Australian and New Zealand Electrical & Safety Standards.

Features

- Up to 16 ON and OFF Switches a day - 112 Switches a Week.
- Option to Program Individual Days or 14 Different Weekday Group Scenarios.
- Minimum Switching Period is One Minute.
- Daylight Saving Mode - Winter time change over.
- Large Easy to Read LCD Display.
- Random Automatic ON / OFF Security Feature.
- Manual Override Button.
- In-built Rechargeable Battery Backup.

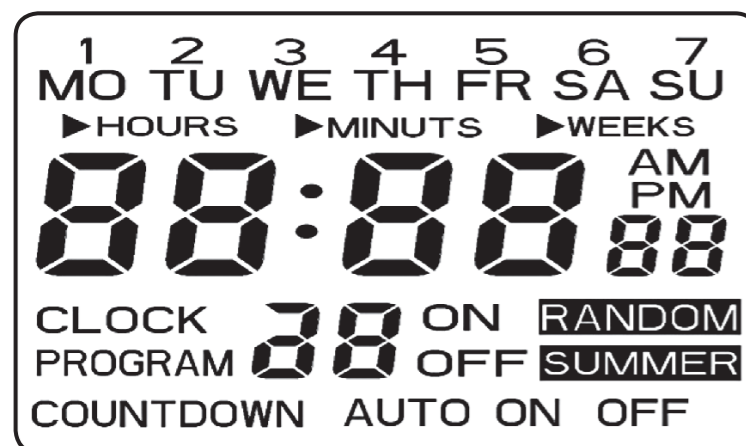
Important Safety Precautions

- Do not use with an extension lead.
- Do not plug this timer into another time switch.
- Do not plug any device performing mechanical movement directly into the timer.
- Fan heaters and heaters with exposed elements should not be left unattended and it is recommended that these types of appliances are not connected to timers.
- It is dangerous to insert any metal objects into mains outlet.
- Avoid moisture, extreme temperature, shock and vibration.
- For indoor use only.
- Recommended ambient temperature: 0-40°C.
- Do not open the timer. There are no user serviceable parts inside. Authorised service personnel must perform repairs only.
- Use a soft cloth to clean casing and display.
- Do not use chemical or scouring agents.
- Do not submerge in water.
- Keep device out of reach of children.
- Do not use near flammable gases or liquids.

Operation Steps

Firstly open the package then put the timer into power supply point. It is a recommendation to allow the internal battery back up to charge for around 8 hours.

On initial plug in, the LCD will show the whole content, and last about one second, then enter normal time mode condition, as follows:



Setting the Programmes

1. Setting the Programing Display

Press the 'PROG' button, and then the 'SET' button afterwards. Using the 'UP' button scroll through the following sequence: hour, minute, second, week. (24/12 hour system - By pressing 'CLOCK+PROG' button, it will transfer between 24/12 hour, on the display screen.)

2. Clock Setting

Press 'CLOCK' button for three seconds, the 'CLOCK' will be highlighted, then HOURS, MINUTES, WEEKS. The screen will display the 'CLOCK SETTING' mode.

- Press 'SET' button, the triangle diamond will move before the 'HOURS' sine and will blink, press 'UP' to set hours, you advance from 0-24 hour,
- Press 'SET' button again, the triangle diamond moves to the 'MINUTES' mode. It will blink, Press 'UP' to set minutes, you can advance up from 0 - 60 minutes.
- Press 'SET' button, the triangle diamond will move before the 'weeks' indicator and will blink, press 'UP' to set the days of the week, you can choose them in turn, MO-TU-WE-TH-FR-SA-SU, the screen will display.
- After setting is completed, press the 'OK' button to finish this process.
- Press 'CLOCK+SET' button, you can Select 'Day-Light-Saving' mode.

Setting the Programmes

3. 1-16 Group Process

- Setting and display: Press 'PROG' button, the 'PROGRAM' on the screen will highlight, then 'HOURS, MINUTES, WEEKS' will also be highlighted, It now enters the timing setting mode. You can now set between 1 - 16 group process:
- After selecting one of the programs, press 'SET' button, the triangle diamond will move before the 'HOURS' indicator and will blink. Press 'UP' button to set hours, the screen displays.
- Press 'SET' button, the triangle diamond will move before the 'MINUTES' indicator and will be blink, press 'UP' to set minutes.
- Press 'SET' button, the triangle diamond will move before the 'WEEK' and will blink. Press 'UP' button to set the days of the week you require. You can select them in turn. The screen will display:

⇒ TU	⇒ SA SU
⇒ WE	⇒ MO TU WE TH FR SA
⇒ TH	⇒ MO WE FR
⇒ FR	⇒ TU TH SA
⇒ SA	⇒ MO TU WE
⇒ SU	⇒ TH FR SA
⇒ MO TU WE TH FR	⇒ MO TU WE TH FR SA SU
- Press 'PROG' button again to move out of programing mode and then 'ok' to exit.

(Note: When you cancel one procedure, you can press 'PROG' button for selecting that one, then Press 'CLEAR' button for cancelling.

Setting the Programmes

4. SET Button:

Press the **'SET'** button for switching between electric power ON AUTO OFF AUTO mode.

In the 'On' mode the plugged in appliances/electrical products are on. Push the 'Set' button to turn the plugged appliances/electrical products off and switch the mode to off.

In 'Auto' mode the programmed on and off times automatically switch the plugged in appliances/electrical products on and off

In 'Off' Mode the programs are all turned off.

5. Random Number:

To select a random number, press **'SET'** and **'UP'** at the same time. In Random mode the timer randomly switches the connected appliances/ electrical products on and off. A random on period is plus or minus 15 minutes from the programmed times.

6. Daylight Saving Time:

Press **'CLOCK'** and **'SET'** button at the same time to set summer time, the time display will advance one hour automatically, as well as the 'SUMMER' mark will display on the LCD.

Setting the Programmes

7. Countdown Time:

a) Please Press **'UP'** and **'PROG'** button to set count down time, (you must turn off random power when you use count down time). Setting count down time, the minimum count down time is one minute, the max count down time is 24 hours.

b) Press **'SET'** button, the triangle diamond before 'HOURS' will be blink, Press **'UP'** button to set hour, the screen will display.

c) Press **'SET'** button, the triangle diamond before 'MINUTES' will be blink, press **'UP'** button to set minutes.

d) After setting is finished, press 'OK' button.

e) After count down setting, the screen will return the clock display, the screen will always show the count down time.

f) When you want to cancel count down time, press **'UP'** and **'PROG'** in the same time, count down disappear, the screen display will return clock surface.

Technical Specifications

Certificate No: SAA150968
AS/NZS 3197:2005 / 3122:2005 /3100:2009

Technical Specifications

Voltage:	240V/50HZ
Max Load Current:	10A
Load Power:	2400W
Timing Range:	1 Minute--168 Hours (7 days)
Timing Segment:	Each Day or each Week for 16 Segments
Countdown Setting Range:	99 Hours 59 Minutes
Timing Error:	±1 Minute/Month

Working Condition

Working Voltage:	218-256Vac
Voltage Frequency:	50HZ
Working Current:	≤10A
Instantaneous Start-up Current:	30A
Working Temperature:	0-50°C

Guides, Information & Important Safeguards

Technical Guide:

This 10 amp timer with a 30amp relay switch for induction loads.
Rule of thumb = 4X Rating for Inductive Loads.
(2400W timer X .4 = 960W MAX.)

This is why normal cheap timers always blow on lights!!!

With a X-Heavy Duty internal switch you can safely put up to 1440W – E.G. 0.4 X 3600W = therefor this timer would safely handle 1000W Lights or even 2 X 600W. It is still strongly recommended though to have only one HID light on timer at the same time.

Trouble shooting

In the event that the timer won't work, please check the following:

- Whether the connected power supply is working.
- The battery has sufficient charge. Approximately 8 hours.
- Please press the **'RESET'** button for total formatting of the stored data.

Important Safeguards

Do not exceed the appliances stated max electrical load.

Always use a properly grounded power supply that is connected to an RCD with a rated residual operating current not exceeding 30mA as per AS/NZS 3350.2.41:1997

Warranty Against Defects

This product comes with a warranty against defects (Warranty). The benefits provided in this Warranty are in addition to other rights and remedies available to you under the Australia Consumer Law. The Warranty is provided to the original purchaser of the product on the following terms:

- The Warranty is given by Chemkay Pty Ltd trading as Aquatec Equipment: Po Box 2087, Seville Grove, WA 6112 by phone 08 6260 1000 or email (info@aquatecequipment.com).
- To make a claim under the Warranty you must return the faulty product to the place of purchase with a valid receipt or proof of purchase.
- A Warranty claim must be made within 1 year of the date of purchase.
- If your claim complies with the above terms and the product is not an Exhaustible Item and no Voiding Events have occurred, we will (at our sole discretion):
 - repair the product, if possible; or
 - provide a replacement product; or
 - if a replacement product is not available, provide a refund for the purchase price paid.
- You will bear the cost associated with claiming under the Warranty such as the cost of transportation and delivery of the product to and from the place of purchase.

Warranty Against Defects

- The Warranty will be void if any of the following events occur, as determined by us, at our sole discretion (Voiding Events):
 - any tampering/removal of warranty/identification labels or electrical components is evident;
 - the defect has arisen due to: an accident, incorrect or inadequate installation, misuse or abuse of the product (including improper maintenance and service), excessive wear and tear, not following manufacturer's guidelines/instructions, or the product has been used in a manner contrary to the purpose or suitability of the product;
 - the product has been modified without our authority;
 - the defect is caused by power surges/spikes/brownouts.
- Loss of livestock, damage to property or personal injury caused by the improper use or abuse of the product will not be covered and the manufacturer excludes all liability for such events, to the extent permitted by law.

In addition to the Warranty set out above, 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.