

## Technical Specifications

Recommended operating pressure 150kPa to 1000kPa.  
Maximum operating pressure 1000kPa. In higher pressure areas use a pressure reducer from the tap.

Recommended operating temperature 4° to 60° C.

Batteries: 2 x AA Alkaline batteries only

Water Source: Use with cold, mains connection water only.

This product is not suitable for use;  
- if your water pressure exceeds 1000kPa;  
- if you use a bore or unfiltered water;  
- if you use any kind of pump to draw water;  
- for commercial applications; or  
- if it is likely to be subject to more than 'seasonal' amounts of water (eg. In the path of sprinklers or other emitters, or with a leaking tap.)

### Guarantee

The Pope Digi Flow has a 12 month warranty against defects in materials and workmanship when used with mains water supply in normal home garden applications. Our obligation under this guarantee is limited to the repair or replacement at our option, of the product within one year from the date of purchase.

Use of this product outside of the technical specifications and disassembling of this product will void the warranty.

## **TORO** Toro Australia

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# POPE

# DIGI FLOW

## AUTOMATIC TAP TIMER



Congratulations on purchasing the Pope Digi Flow Automatic Tap Timer.

This manual contains all you need to know to install and program your Pope Digi Flow Automatic Tap Timer.

Please take a moment to read through the manual in its entirety before starting to program your tap timer.

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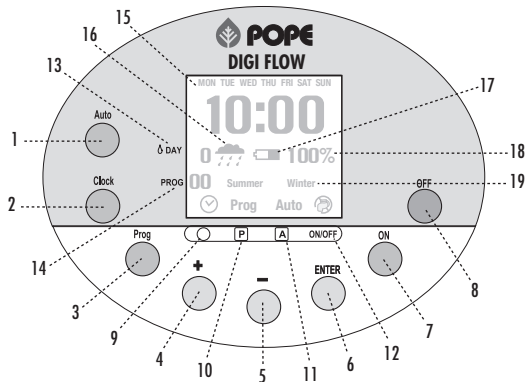
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## OWNERS MANUAL

## Understanding your Digi Flow Automatic Tap Timer

### Key Pad

1. **Auto** press to put the timer into automatic mode
2. **Clock** used to set the current time and day
3. **Prog** used to enter the programming mode and set desired watering program(s)
4. **+** used to increase the watering duration, time, move between days etc
5. **-** used to decrease the watering duration, time etc
6. **ENTER** press to confirm selected times and days
7. **ON** press to turn water on when programming or in manual mode
8. **OFF** press to turn water off when programming or in manual mode



### Display Panel

9. **✓** When highlighted on the display shows the current time and day. Note the timer operates on a 24 hour clock.
10. **P** The word Prog will display when you are in programming mode. This enables the user to enter the desired watering programs into the timer. Note: If the timer is left in Programming mode for one minute without any selections made, the timer will automatically return to Automatic mode.
11. **A** The word Auto will display when the tap timer is in automatic mode. Watering will take place according to the programs set by the user.
12. **ON/OFF** - Shows when watering is/is not in progress. This is shown by the following symbols  
  - ☞ Watering ON - displays when watering is in progress and when selecting watering days for calendar watering.
  - ☞ Watering OFF - displays when watering is not in progress and when selecting non watering days for calendar watering.
13. **Day** - Displays the selected watering frequency. There are 8 options available
 

|                      |                                  |
|----------------------|----------------------------------|
| 1 - Every day        | 5 - Every fifth day              |
| 2 - Every second day | 6 - Every sixth day              |
| 3 - Every third day  | 7 - Every seventh day            |
| 4 - Every fourth day | C - Calendar (eg. Mon, Wed etc.) |

Once the watering frequency or watering days are selected they will apply to all programs.
14. **Prog** - Displays the program number selected or program currently in operation.

### Replacing the Batteries

- To prevent corrosion, always remove the batteries when the timer is not in use for long periods of time or when the batteries are low.
- It is recommended that new batteries are installed if you are going away for an extended period of time. This will ensure that watering continues as programmed.
- When removing old batteries 'PO' will flash on the display, indicating that you have 2 minutes to install the new batteries without losing any programmed data.
- If batteries are removed or fail during a programmed watering session, ensure they are replaced within two minutes otherwise the timer will not turn off the water.

### Trouble Shooting

| PROBLEM   | REASONS  | SOLUTIONS   |
|---|--|---|
| <b>No LCD</b>   | <ul style="list-style-type: none"> <li>• Batteries flat</li> <li>• Batteries incorrectly installed</li> </ul>  | <ul style="list-style-type: none"> <li>• Replace batteries</li> <li>• Re-install batteries</li> </ul>   |
| <b>Not watering at scheduled times</b>                | <ul style="list-style-type: none"> <li>• Batteries flat</li> <li>• Programs lost during battery replacement</li> <li>• Program start times and duration may be incorrectly set</li> <li>• Rain switch has activated and interrupted watering schedule</li> <li>• Rain delay has been activated</li> <li>• Tap is turned off</li> </ul> | <ul style="list-style-type: none"> <li>• Replace batteries</li> <li>• Re-program timer</li> <li>• Check times and re-enter if required</li> <li>• Watering will return to programmed times when rain switch is dry</li> <li>• Turn rain delay off</li> <li>• Turn tap on</li> </ul> |
| <b>Watering session not being turned off by timer</b> | <ul style="list-style-type: none"> <li>• Batteries failed during watering session</li> <li>• Batteries changed during watering and programs lost</li> </ul>  | <ul style="list-style-type: none"> <li>• Replace batteries</li> <li>• Re-program timer</li> </ul>   |
| <b>Timer returns to Auto mode during programming</b>  | <ul style="list-style-type: none"> <li>• Timer will return to auto mode if no program input for 1 minute</li> </ul>  | <ul style="list-style-type: none"> <li>• Return to programming step and continue</li> </ul>   |

## Maintenance

### Daylight Saving

The Digi Flow can be quickly adjusted for daylight saving without having to re-program.

In the automatic screen, press and hold (+) and (-) for 2 seconds. The display will move between Summer and Winter. This will advance or bring back the clock by one hour.



Alternatively you can adjust the current time by pressing the clock key and following the instructions above for setting the current day and time.



### Review / Change set programs

1. Press (Prog)
- Seasonal adjust will flash - 100%
2. Press (+) or (-) to adjust, press (ENTER) when correct  
Watering frequency will flash
3. Press (+) or (-) to adjust, press (ENTER) when correct  
Program 1 will flash
4. Press (ENTER) to review program 1 or
5. Press (+) or (-) to move to programs 2-16  
When in desired program
6. Press (+) or (-) to adjust start time or watering duration
7. Press (ENTER) to confirm each change

## Display Symbols

15. Day of Week - indicates current day of week in automatic mode and watering days selected for calendar watering in programming mode.
16.  Rain Sensor - displays when rain sensor is activated and interrupts watering program. Cloud icon displays for first 5 minutes of programmed watering cycle. When activated it interrupts the program for entire duration and no watering is undertaken.
17.  Battery Low - low battery icon will flash when the batteries are low. This will prevent the set programs from activating and the tap timer will not turn on as scheduled.
18. Seasonal Adjust - Allows you to alter the watering duration of set programs without reprogramming. Seasonal adjust can be set from 10% to 200% (in 10% increments) of programmed watering duration. Allows you to tailor watering duration with the change in seasons. Eg if seasonal adjust is initially set at 100% and watering duration in program 1 is 10 minutes. Changing seasonal adjust to 150% will adjust the watering duration in program 1 to 15 minutes.
19. Summer / Winter - press and hold the (+) and (-) keys together for 2 seconds. The display will shift between summer and winter to allow for daylight saving. This adjusts the timer clock forward or backward by 1 hour.

## How to Install

1. Insert 2 new AA ALKALINE batteries in the battery compartment (Using old batteries will decrease the overall operational time of the timer)
2. Set the current time and day and programs before installation (See programming)
3. Fit the tap timer to the tap using the 1" tap connector or the included 3/4" adaptor. If using the 3/4" adaptor remove from the base of the tap timer and attach directly to the tap.
4. Hand tighten until secure. Do not over tighten.

## Programming Instructions

### Set Current Time and Day

(The Pope Digi Flow Automatic Tap Timer uses a 24 hour clock).

Set day:

1. Press  Weekday selection will flash Monday (MON), Tuesday (TUE) etc  
Press  or  to move to current day  
Press  when correct



Set hour:





2. The hour range will flash  
Press  or  to select the current hour (range 0-23)  
Press  when correct



## Manual Operation

The Digi Flow can be used to water outside of the set watering programs using manual operation.

To set manual on

1. Press  Watering duration will flash
2. Press  or  to set desired watering duration (range 1 to 600 minutes)  
Press 



The tap timer will shut off watering after the set time has expired and return to auto mode

To stop manual watering before the set duration has passed  
Press  watering will shut off immediately

## Rain Delay

You can bypass the set watering programs by pressing and holding  for 5 seconds. This will prevent the tap timer from watering automatically.



The automatic screen will change to show that no programming is active.

To resume programmed watering press and hold  for 5 seconds.

Note: Your programmed watering will not re-commence until the bypass is turned off.

## Select Watering Days cont....

### Calendar Watering

Set your Digi Flow Tap Timer to water on specific days of the week.

1. With C flashing press **ENTER**

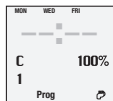
The days of the week will flash beginning with MON (Monday)

2. Press **+** or **-** to move between days
3. Use the **ON** or **OFF** to turn watering on or off for that day

Eg. To water on Monday, Wednesday and Friday

- MON flashing – press **ON** to turn watering on
- Press **+** to move to WED
- WED flashing – press **ON**
- Press **+** to move to FRI
- FRI flashing – press **ON**

Press enter when you have finished selecting your desired watering days.



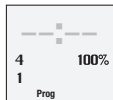
### Interval Watering

Set your Digi Flow Tap Timer to water at set intervals by selecting the corresponding number below.

- 1 - Water every day
- 2 - Water every 2nd day
- 3 - Water every 3rd day
- 4 - Water every 4th day
- 5 - Water every 5th day
- 6 - Water every 6th day
- 7 - Water once per week

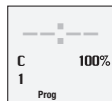
3. Press **+** or **-** to move to selected frequency  
Press **ENTER** to confirm

Eg. Watering is set for every fourth day

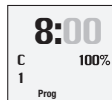


## Set Program Start Times

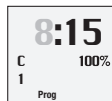
7. To select program 1 press enter or
8. Press **+** or **-** to move to another program, press **ENTER** to select  
Start time hour will flash



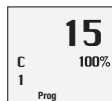
9. Press **+** or **-** to select hour to start watering  
(adjustment range 0-23 hours)  
Press **ENTER** when correct  
The minute range will flash



10. Press **+** or **-** to select minute to start watering  
(adjustment range 0-59 minutes)  
Press **ENTER** when correct  
The watering duration will flash



11. Press **+** or **-** to select watering duration in minutes  
(range 1 – 600 minutes)  
Press **ENTER** when correct



Program 2 will flash

To set further start times repeat steps 8 to 11 above for programs 2 – 16  
To finish programming press **Auto** to return to the automatic screen.



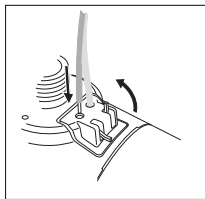
Note: When entering multiple programs the start times do not need to be in order.  
The timer will automatically sort the programs starting with the earliest time.

## Rain Sensor

Using a rain or soil moisture sensor with the Digi Flow ensures maximum watering efficiency, by stopping programmed watering during periods of rain.

The Digi Flow Automatic Tap Timer has two small ports on the underside to attach a sensor to. The Digi Flow is designed for use with a 2 wire “normally open” rain sensor. Ensure you purchase a rain sensor that is set to or can be set to “normally open.”

Connecting a Rain Sensor to the Digi Flow is simple. Following the Rain Sensor directions find a suitable location to mount the sensor. Ensure at least 10mm of the cables are stripped to expose the wire. Connect to the Digi Flow by inserting the two wires into the ports on the underside of the tap timer. When wires are inserted, flick the switches up (towards the water outlet on the tap timer) to lock the wires firmly in place.



When the rain sensor detects rain it will send a signal to the Digi Flow Tap Timer and interrupt the programmed watering session. The rain delay icon ☔ will show on the screen for the first five minutes of the set program. Watering will be suspended for the entire duration of the program. Programmed watering will resume when rain/moisture sensor has dried out.



Set minutes:

3. The minutes range will flash

Press **+** or **-** to set the minutes (range 0-59)

Press **ENTER** when correct



4. The auto display screen shows.



## Set Seasonal Adjust

1. Press **Prog** button

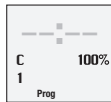
Seasonal adjust will flash - 100%

(we recommend setting at 100% initially, adjustments can then be made as required)

Press **+** or **-** to adjust (in 10% increments)

Press **ENTER** to confirm.

Watering days will flash - C for calendar watering will flash



## Select Watering Days

You can set the Digi Flow for Calendar or Interval watering.

Your selected watering days or frequency will apply to all programs.