



POPE inline timer

INSTALLATION AND PROGRAMMING INSTRUCTIONS

DIAL VERSION

Thank you for purchasing the revolutionary Pope Inline Timer. You're only minutes away from easily fully automating your garden watering system.

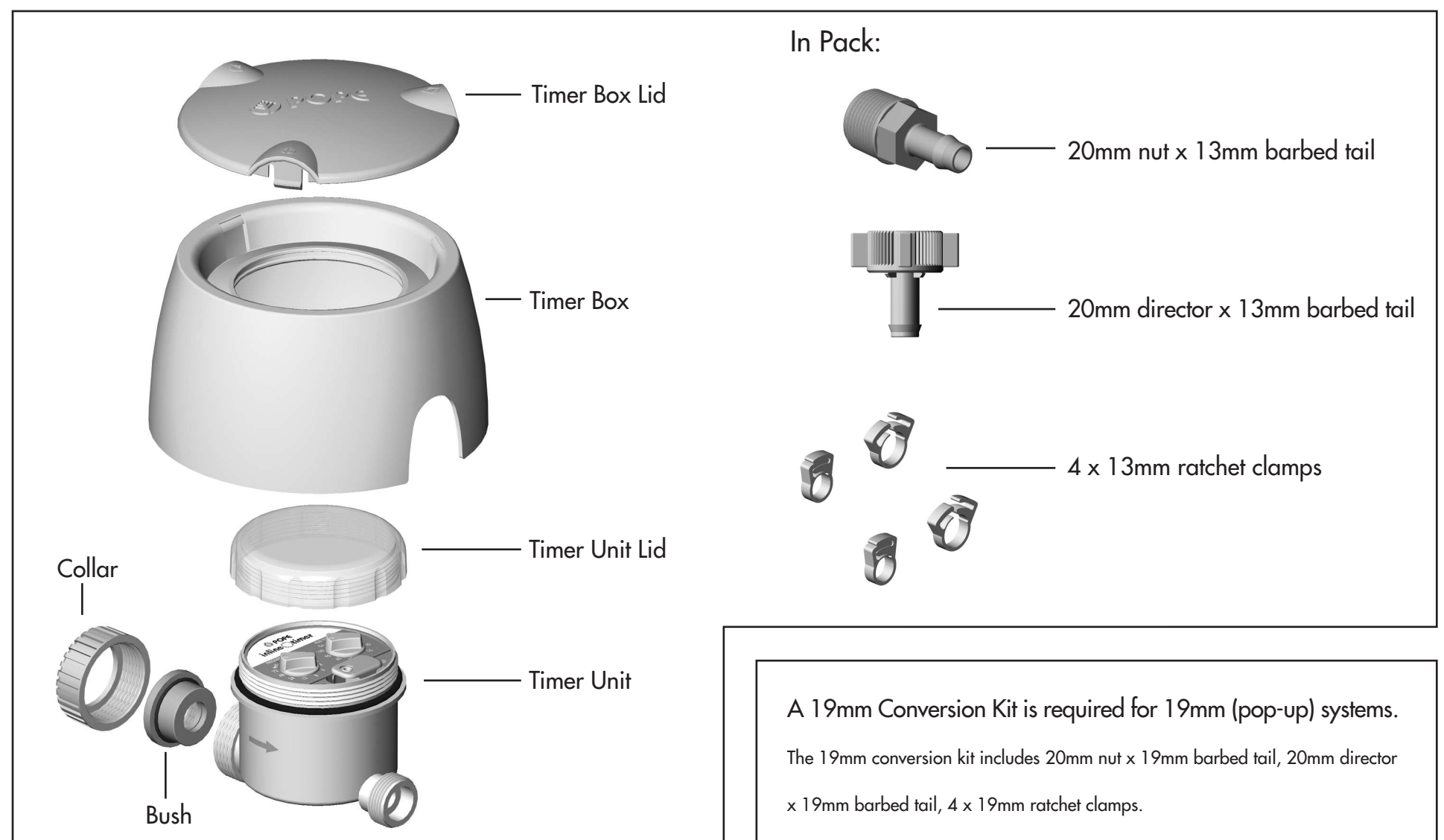
Everything you need for a 13mm (spray or dripper) system is included, except batteries.

For 19mm (pop-up sprinkler) systems you will need to buy a Pope Inline Timer 19mm Conversion Kit.

Please take some time to read the simple Installation and Programming Instructions below. It includes some important information you will need to know, to make your automated watering easy and hassle free.

- No wiring! No plumbing!
- Automatic watering straight from your tap
- Suits existing irrigation systems
- Perfect for new watering systems
- Replaces in-line taps
- Can be placed above or below ground
- Complete flexibility
- Build your system at your leisure
- Simple operation
- Water and tamper resistant
- Battery operated

YOUR POPE INLINE TIMER INCLUDES:



PRIOR TO INSTALLATION IN NEW OR EXISTING FIXED IRRIGATION SYSTEMS:

1. CHECK YOUR AVAILABLE WATER PRESSURE

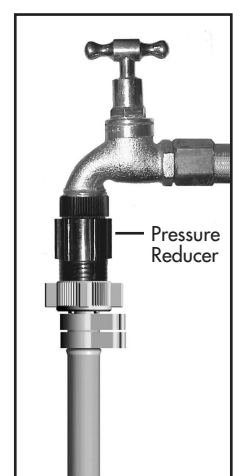
Low density poly pipe (ie the black poly pipe used in most home irrigation systems) by Australia Standards, should be able to withstand water pressure of 300kPa.

If your available water pressure at home is higher than this, you may have longer term problems with your fixed irrigation system.

Most people are usually aware if they have high water pressure. If you are unsure, you can check your water pressure by using a pressure gauge which will give you an accurate measurement. Or as a simple guide only, you can do a quick bucket test. If it takes less than 20 seconds to fill a 9 litre bucket, it is likely your pressure is higher than 300kPa. In this instance you may want to take more precise measurements, or simply install a Pope Inline Timer Pressure Reducer (product code 1010089).

So, while your Pope Inline Timer is rated to withstand pressure of up to 600kPa, we suggest you consider using a Pope Inline Timer Pressure Reducer to ensure that your poly pipe system is operating under the best possible conditions.

For extra peace of mind, consider installing an Automatic Tap Timer – to act as a Master Timer – directly to your tap, prior to connecting your irrigation system. When programmed to synchronise with your Inline Timers, this will mean your water will shut off at the tap when your Inline Timers are not in operation. Just program your Master Timer to come on before your first Inline Timer program, and to shut off after your last Inline Timer has finished.



2. PROGRAM THE TIMER UNIT

1. Insert 2 NEW AA Alkaline batteries

2. Test to ensure the unit is operational. Simply turn the **Run Time** dial to the "On" position. Within a few seconds you should hear the timer mechanism operate.

3. Use the **FREQUENCY** dial to determine how often you want to water.

4. Use the **RUN TIME** dial to determine how long you want to water.

5. Watering will commence when the first "frequency cycle" set has passed. For example, if Watering Frequency is set to 1 hour, the first watering cycle will commence 1 hour after you have set the program...and continue hourly thereafter.

FREQUENCY

Select how often you want to water.

The dials can be turned both clockwise and anti-clockwise without damaging the mechanism.

Water every 1, 2, 3, 4, 6, or 8 hours

To water twice daily – select 12

To water daily – select 24

To water every second day - select 48

To water once a week – select week

RUN TIME

Select how long you want to water.

The dials can be turned both clockwise and anti-clockwise without damaging the mechanism.

Water for 1, 3, 5, 10, 15, or 20, minutes.

To water for half an hour: – select 30

To water for an hour – select 60

To water for an hour and a half - select 90

To water for two hours – select 120

TIME DELAY FEATURE

You can delay your watering start time using the Time Delay Feature. Use the point of a pen to depress the button for each hour you want to delay watering. You can delay watering in 1 hourly intervals only, up to a maximum of 12 hours. So to delay watering for 3 hours, depress the Time Delay button 3 times.

LOW BATTERY INDICATOR

The Low Battery Indicator light flashes continuously while the batteries still have sufficient power to operate the timer. When the battery power is low the Low Battery Indicator will remain on, and the valve will be shut off. The light will go out when the battery is completely flat.

3. BEFORE INSTALLING THE POPE INLINE TIMER

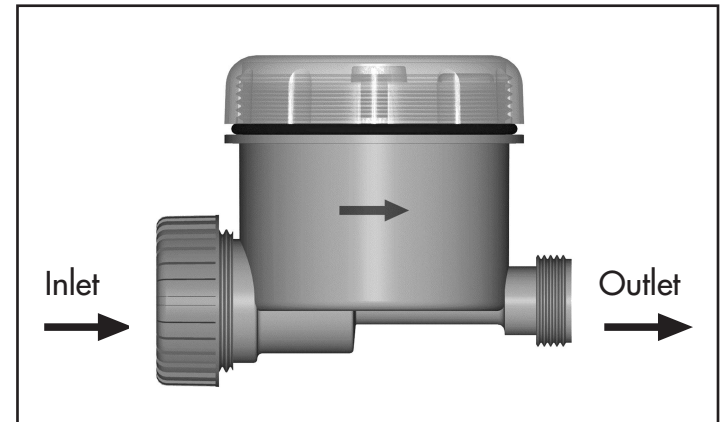
You will need one Pope Inline Timer for each separate zone (or area) in your garden.

Ensure the Timer Unit has batteries and has been programmed correctly.

Clearly identify the inlet and the outlet end of the timer unit.

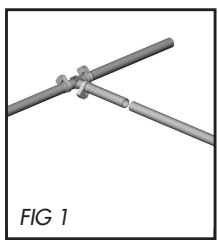
DO NOT assemble the fittings to both the inlet and outlet end of the timer unit.

For existing systems, conduct a visual inspection of your existing poly pipe and fittings to ensure that the poly pipe is in good condition, your fittings are secure, and any drippers, sprays, pop-ups etc and are in good working order.

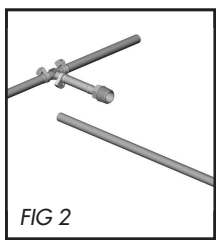


4. TO INSTALL

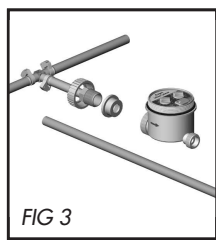
Ensure your garden tap is turned off.



1. Make one clean cut to your existing poly pipe where your Pope Inline Timer inlet unit will go.

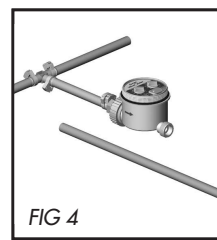


2. Push director securely into poly pipe.

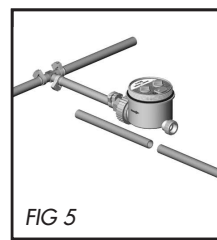


3. Remove collar and bush from inline timer. Place collar around director and screw bush onto director.

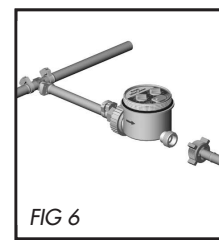
Insert bush into inline timer and re-connect collar. Do NOT over tighten collar, use pliers or other tools to tighten as this may crack the collar, which could cause leaking. You may want to use thread tape to reduce the possibility of leaking.



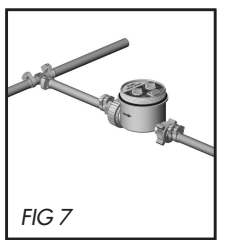
4. Securely clamp together using 2 x 13 mm ratchet clamps (included).



5. To connect the outlet end, cut the poly pipe again, allowing enough gap for the Inline timer unit, and enough poly pipe to connect to the outlet end.



6. Connect nut and tail (included) to the outlet end of the poly pipe and screw onto outlet end of timer unit.



7. Use 2 x 13mm ratchet clamps to hold in place (included).

DO NOT ASSEMBLE TIMER BOX.

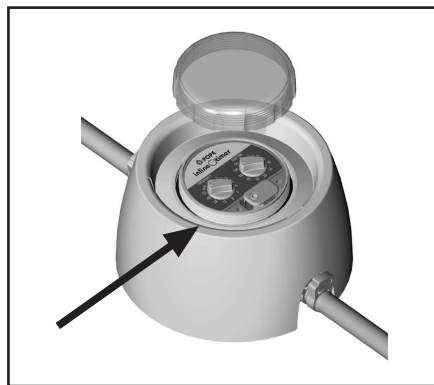
Once all fittings are secure, check the operation of the Inline Timer by setting the program to manual.

When testing is complete, return the timer unit to the program mode, fit the timer box to the Inline timer unit, screw on waterproof cover and cover with lid.

5. CONNECTING THE INLINE TIMER BOX TO THE INSTALLED TIMER UNIT

Remove the screw on Timer Lid from the Timer Unit. Line up poly pipe with outlets on Timer Box. Place your hand underneath the Timer Unit, and push the Timer Unit up through the Timer Box. Make sure you have the Timer Unit evenly placed in the Timer Box, and that the thread is clearly visible through the top.

Screw on the Timer Lid. Keep turning the Timer Lid until you hear the Timer Unit "snap" into the holding lugs of the Timer Box. You should keep tightening until the lid is completely screwed on. Snap Timer Box Lid in place.

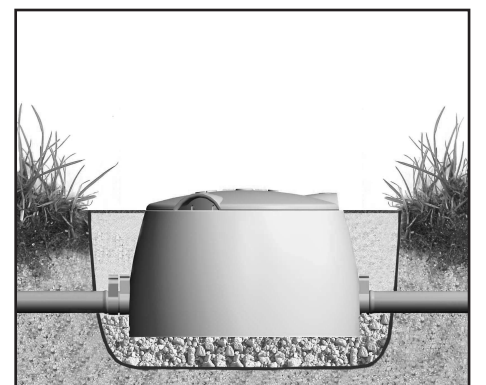


6. BURYING THE TIMER

If burying the Pope Inline Timer ensure the hole is big enough to fit the entire unit.

The hole should be dug deeper by about 20 cm and filled with gravel to ensure adequate drainage. The lid of the timer box should be flush with the ground.

Before assembling the entire unit and backfilling, ensure the Inline Timer is fully operational, and that your system is performing correctly.



CHECKLIST

- Did you check your available water pressure?
- Did you install a Pressure Reducer?
- Is your poly tube in good condition?
- Is your Inline Timer correctly installed?

- Did you double clamp each side of the Pope In- Line Timer?
- Is your Inline Timer correctly programmed?
- Have you used good quality, new AA Alkaline Batteries?
- Is the timer unit lid securely tightened?
- If buried underground, is your Inline Timer on a bed of gravel or other good drainage material?