

## Electronic Water Timer (DD-DWT673)

You have purchased a quality electronic water timer using an efficient mechanical rotating ball valve. Please read these operating instructions carefully to familiarise yourself with the water timer's features, correct installation and use. Check that the program(s) is/are programmed per your water needs when the timer is used for the first time. This timer should only be operated by adults who are familiar with the operating instructions.

**Designed Use.** This Electronic Water Timer is designed for outdoor use only, in gardens, for the control of sprinklers and water systems. The Water Timer must not be used for industrial purposes or in conjunction with chemicals, foodstuffs, flammable or explosive materials.

### Technical Data.

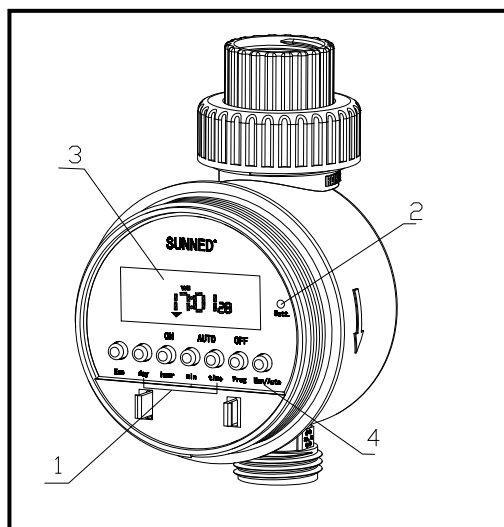
Operating Voltage:	DC 3v. (use high quality alkaline battery)
Static Current:	less than or equal to 18uA
Battery life:	1 season (6 months) normal use.
Time error:	+0.25 second per day
Operating temperature	41°F to 140°F (5°C to 60°C)
Water pressure:	0.75 psi to 116 psi (0.05 bar to 0.8 bar)
Key Lock:	Simple to set and unset. Prevents unauthorised/accidental program changes.

**How the Electronic Water Timer works.** Your electronic water timer will water your **Irrigation System** automatically according to the program you choose. You can set the timer to water your system early in the morning or late at night when water evaporates the least. It will continue to water while you are away. It provides two flexible methods to control irrigation:

1. **Manual:** to manually run timer, press Man/Auto button to switch between: On - Off – Auto.
2. **Automatic:** Can water up to 8 times per day. Choose from 15 different day combinations to control which days of the week the timer operates.

### **TIMER INSTALLATION:**

1. Unscrew and remove waterproof cover. Slowly slide out the battery box from its compartment in the face of the timer. Install two new 1.5V alkaline batteries (size AAA). Replace battery box.
2. Hold the unit steady. Loosen the LARGE LOCKING COLLAR RING located in the top of the timer until the inner FAUCET COLLAR is loose. Screw the FAUCET COLLAR onto the water faucet/tap until it is hand tight, and then hand tighten the LARGE LOCKING COLLAR RING. Turn on the water faucet/tap to open the flow of water. (DO NOT USE WRENCHES OR PLIERS TO TIGHTEN THE COLLARS.)



1. **Time:** Sets the current time and day. Keep depressed then press:-  
**Minute:** Press to advance one minute. Keep pressed for fast op'n.  
**Hour:** Press to advance one hour. Keep pressed for fast op'n.  
**Day:** Press to advance to next day, displayed above time.
2. **Battery low indicator**, when the indicator flashes it means low battery, need to replace the battery.
3. **LCD Display**
4. **Man/Auto:** Switches between on – auto – off. Indicated by arrow.  
**Prog:** Press to show 1<sup>st</sup> on, then hour, minute, day, to program time.  
**Esc:** Clears set program time. Press for 3 secs to lock keyboard.

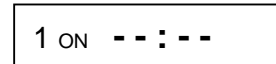
### **Function Keys and Display.**

- **Keyboard lock:** Press Esc for more than 3 seconds to lock. Press again for 3 seconds to unlock.
- **Time set:** Ensure keyboard is unlocked. Hold "time" key down while pressing the "min", "hour" or "day" buttons. A light touch advances by one unit, holding down the min or hour advances time quickly.
- **Program set:** see below.
- **Esc key:** acts as a clear button for individual program times. Does not clear the current time.

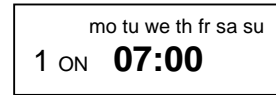
**Programming the timer.**

**IMPORTANT: When programming the timer, you must set both a start time and end time for the program.**

1. Press **“Program”** once. Program 1 ON time appears on the display.

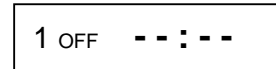


2. Press “hour” and “minute” to set the start time for program 1 (24hr clock).

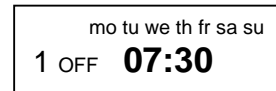


3. Press “day” to set days of the week that program 1 operates. (defaults to mon-sun, i.e. every day). \*

4. Press **“Program”** again. Program 1 OFF time appears on the display.



5. Press “hour” and “minute” to set the end time for program 1 (24hr Clock)



In the example above, the timer will turn on at 7:00am and run until 7:30am for each day of the week.

**If you only want your watering system to come on once per day, for the days set in step 3 above, stop here.**

6. Press **“Program”** again. Program 2 ON appears on the display.
7. Repeat steps 2 to 5 above for a second watering on the above days, or watering on selected days only.
- Up to 8 programs may be set from a total of 15 different days-of-the-week configurations.
  - Ensure that the days for the program OFF times are the same as those for the program ON times.
  - Ensure that every program ON time has an OFF time!!
  - To exit programming, press the “time” button. This returns the display to the current time and day

**\* If after pressing “Program” you press “day” repeatedly, the following day combinations appear (see 3 above)**

1	MO	4	TH	7	SU	10	SA SU	13	MO TU WE TH FR
2	TU	5	FR	8	MO WE FR	11	MO TU WE	14	MO TU WE TH FR SA
3	WE	6	SA	9	TU TH SA	12	TH FR SA	15	MO TU WE TH FR SA SU

**Manually operate the timer.**

To manually run your water timer, press the Man/Auto button until the arrow on the display is above the ON. Press the Man/Auto again until the arrow on the display is above OFF. To set the timer to automatically run, press the Man/Auto until the arrow on the display is above AUTO.

**Rain Shutdown.**

To temporarily turn your timer off due to rain, press the Man/Auto button until the arrow on the display is above the OFF. Press the Auto/Man button to move the arrow on the display to ON to resume automatic operations.

Note (1) Install with inlet & outlet vertical (2) Remove and store timer in areas that are prone to freezing (3) “Man/Auto” on/off overrides program.

**TROUBLE-SHOOTING GUIDE:**

If the water does not come on, please check the following:

1. Be sure the water faucet/tap is turned on.
2. Check to be sure the batteries are in good condition and are installed correctly.
3. Be sure the current time and day are set.
4. Check to be certain that the programmed day(s) and run times are the same as you programmed.
5. Be sure that you do not have overlapping program start times