

itec DC 4,6,8 station Dual Program

INSTALLATION INSTRUCTIONS

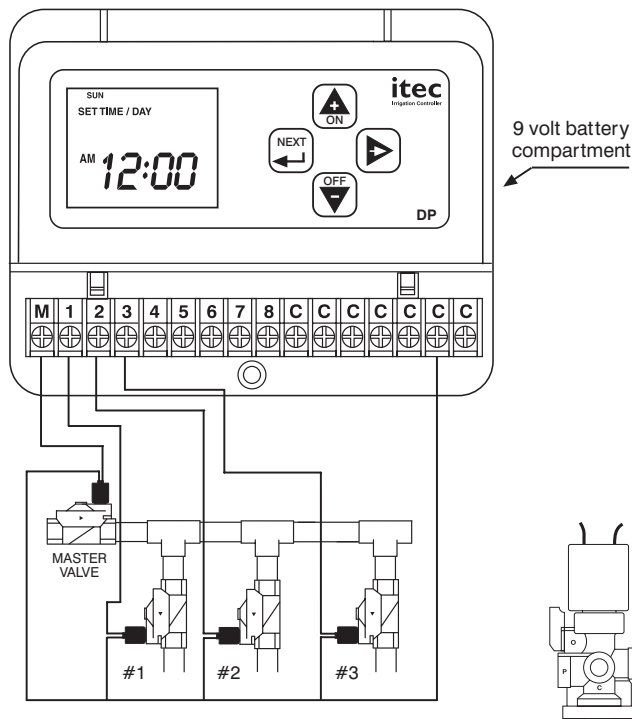
Remove the lower cover. Place the unit on the wall using one slot and one fixed hole under the terminal.

9 VOLT VALVE

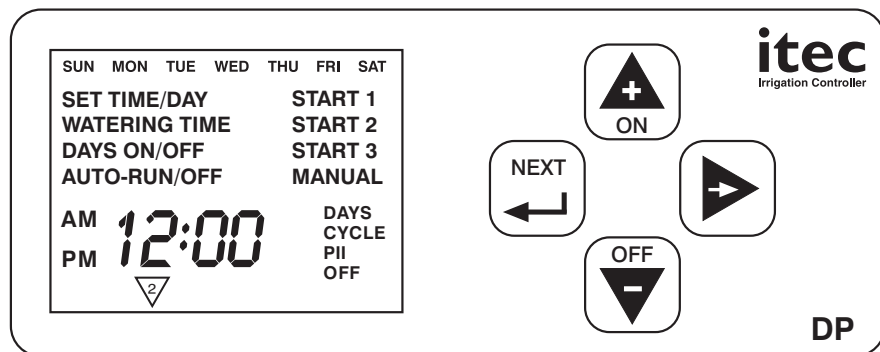
A 9 volt, Pulse operated solenoid must be used with this controller. Make sure that the valve you purchased is equipped with the right solenoid. (2 wires each with different color)
 Connect the RED wire from each solenoid valve to a separate STATION No. terminal.
 Connect the BLACK wire from each solenoid valve to the terminal marked "C"- Common.

Connect the wires FIRST before installing the battery. When battery is connected, the controller checks the valves position to make sure they are all in close position!

To install the battery, press on the drawer located on the right side of the controller, pull it out, place the 9 volt battery inside and push back. Low battery indication will start flashing when battery is low. Replace battery.



THE CONTROL PANEL



3 ways solenoid, pulse operated, rated 6-20 volt with 2 wires, in different colors, can be used to operate hydraulic valves.

THE CONTROL BUTTONS

- NEXT STEP Advance to next programming step.
- Increase TIME & Watering Time. Used also as ON for Days ON & Manual ON.
- Advance Days & station No. In Watering Time position Will lead you to % scaling.
- Decrease TIME & Watering Time. Used also as OFF for Days OFF & Manual OFF.

DISPLAY ICONS

- Days of the week - upper line
- OFF flashing - Low battery
- Programming Steps - Watering Time, Days On/Off, 3 start times Manual and Auto-Run
- Days Cycle - Will be ON when programming Days Cycle
- PI or PII - Program I or II
- OFF - RAIN OFF Icon
- Station No. Icon

IRRIGATION PROGRAM

Irrigation program consists of 3 parameters:

- 1 Watering duration for each station
- 2 Irrigation days
- 3 Program start time

Each station can be assigned to a program by entering Water Time in that program. Stations can be assigned to both programs.

PROGRAMMING STEPS

NOTE If you press  or  continuously, the digits will advance quickly.

SET TIME/DAY After connecting the battery, the controller should display the "SET TIME/DAY" Icon.

If not, Press  until it is displayed.



Press  until current day is displayed.


Press  or  to set current time.

1 Press  to enter watering time.


WATERING TIME Enter Watering Time to all stations you wish to assign to this program. Each station can be programmed to have different Watering Time.

PI

Press  or  to set the watering time.

Press  to select your next station in this program.

Repeat for all the stations.


2 Press  to advance to next programming step.

DAYS ON/OFF

PI

You can either select the days of the week you wish to water or select days cycle. SU is flashing.



Press  for the days you wish to water.

Press  for the days you wish to skip irrigation.

DAYS CYCLE

PI

Press  until "DAYS CYCLE" is displayed.

Press  or  to select your days cycle.

Notic that two sets of digits are displayed (0 0). The right digit will display the selected days cycle while the left digit will display the remaining days to irrigation. If 1 is selected = Every day. 2=Every other day. 3=once every 3 days and so on.

3 Press  to program the start time.

START TIME

PI

Press  or  to set the time. (Notic the AM & PM).

Press  to set next (2nd) start time.


At the time you selected, the 1st station of Prog. 1 will start watering. Other stations in this program will operate sequentially, one after the other, automatically.

To enter program 2 (PII) Press  and repeat from **1** to **3**.

To skip program 2, Press  continuously until you reach Manual .


IMPORTANT: A delay of 2-3 sec. between pressing ON or OFF to the actual response of the valve was design to save energy

MANUAL

NOTE To get to Manual mode from any position, press  continuously.

Two MANUAL modes are available:

Manual start per station (only that station)

Press  to open the station. (Station Icon will stop flashing)

Press  to turn off the station.

MANUAL (cont.) Press  to select your next station.

If you leave the station ON, it will close after it's programmed watering time. First priority is watering time program 1, 2nd priority is watering time program 2, and if no watering time was programmed, will open for 2 minutes. After the station is closed, the controller will skip to AUTO mode.

Press  to select next manual mode.

Manual start per program - Semi-Auto

In this step, you can turn on all the stations programmed in program 1 or program 2. The valves will open in sequence.

The 1st programmed station in this program will flash.

Press  to start the cycle and  to terminate it.

Press  to select program 2. repeat as in prog.1

Press  to advance to AUTO mode. Will turn off all stations.

AUTO-RUN/OFF Will display Time & Day, open station, power failure and OFF.

Press  in AUTO mode to stop irrigation.

Press  in AUTO mode to resume irrigation.

WATER BUDGET When you wish to either increase or decrease watering time for all stations in a program, you can do it by using percentage scaling. Your current setting of watering time represent 100%.

PI & PII You can get to Water Budget position from any Watering Time position.








Press  until you pass all stations and display show **100** and the active stations in that program are flashing.

Press  to increase and  to decrease the percentage.

EX: If stations in PI are set at 10 minutes runtime and you increase percentage to 150%, they will now run 15 minutes each.

Press  to skip to MANUAL mode.

IMPORTANT INFORMATION

- The  button leads you through the programming steps.
- Auto Return: If within 3 minutes you do not touch any button, the controller will automatically return to Auto mode except from MANUAL mode.
- Quick Digit advance: If you Press  or  continuously, the digits will advance quickly.
- Reset display back to OFF: If you press  and  simultaneously and hold for few seconds, the digits displayed will reset back to OFF.
- Program Erase: In Auto Run mode, press  and  simultaneously until arrow starts to flash. It will flash 5 times to complete Program Erase.

COPYRIGHT AND TRADEMARKS

The copyright in this document is held by I.T. Irrigation Systems Ltd. All material provided on this documents protected under United States copyright laws and international copyright laws and treaty provisions. Except as expressly provided herein, none of the materials provided on this documents may be copied, distributed, republished, reproduced, downloaded, displayed or transmitted in any form for commercial use without the prior written permission of I.T. Irrigation Systems Ltd. Individual visitors of this document permitted to download or print one copy solely for their personal, non-commercial use, provided that they do not modify the materials and that they retain all copyright and other proprietary notices contained in the materials. This permission terminates automatically if you breach any of the terms and conditions contained herein. I.T. Irrigation Systems Ltd. does not grant any express or implied right to you under any patents, trademarks, copyrights or trade secret laws. The trademarks, logos and service marks (collectively referred to as "Trademarks") displayed on this document are registered and unregistered Trademarks of I.T. Irrigation Systems Ltd. and no trademark license either express or implied is granted by I.T. Irrigation Systems Ltd. You do not have any right to use any Trademark displayed on this document without prior written permission of I.T. Irrigation Systems Ltd. Trademarks are one of our most valuable business assets. In the event of unauthorized use or misuse of its Trademarks I.T. Irrigation Systems Ltd. will pursue its legal remedies without delay.

I.T. Systems Ltd. Moshav Batzra, P.O.B 380, 60944 ISRAEL TEL: 972 9 7411734 FAX: 972 9 7411732 EMAIL:itsystem@netvision.net.il