

# **FACILE IRRIGATION CONTROLLERS OPERATING INSTRUCTIONS**

Battery powered automatic irrigation timers for 1 – 4 zones.

## **Facile 001 Irrigation valve controller**

- Single valve control
- Mounts directly on valve replacing solenoid valve operator
- Simple switch selection of valve timing
- Watering duration from 3 to 40 minutes
- Delay between watering of 4 hours to 4 days

## **Facile 003 and Facile 004 Irrigation valve controllers**









- Single valve or up to 4 control zones
- Mounts directly on valve
- LED display for simple programming
- Programmable delay till start of irrigation cycle

# INSTRUCTIONS FOR USE OF THE SINGLE VALVE CONTROLLER









## FACILE 001

**PROGRAMMING:** Use the supplied screwdriver to set the required irrigation time and frequency as follows:

a) **Irrigation time program:** use the first and the second microswitches:

		1 A – 2 A	3 minutes
			Irrigation time
		1 A – 2 B	10 minutes
			Irrigation time
		1 B – 2 A	15 minutes
			Irrigation time
		1 B – 2 B	40 minutes
			Irrigation time

a) **The frequency of consecutive starts:** use the third and the fourth microswitches:

		3 A – 4 A	Irrig. twice a day, with a 4 h interval between the 1st and the 2nd irrig
		3 A – 4 B	Irrigation every 24 hours
		3 B – 4 A	Irrigation every 48 hours
		3 B – 4 B	Irrigation every 96 hours

**STARTING:** Insert the battery and close the cover. Make sure to hear the double click.

### SELF-TEST

– *safety test:* After you insert the battery, the controller will emit 2 closing impulses to the solenoid, at intervals of 30 seconds.

– *quality test:* 2 minutes after you have inserted the battery, the controller will start a test cycle of 2 minutes

**FIRST IRRIGATION:** 8 hours after the battery has been inserted, the controller will start the first irrigation session as programmed (for examples: if today you insert the battery at 8 o'clock p.m., you'll have the first irrigation at 4 o'clock a.m. tomorrow morning). If you remove the battery, the controller resets itself.

**RAIN SENSOR:** To attach the RSA rain sensor, you have to cut the black cable of the controller and connect it to the normally close contact of the sensor.

**SUPPLY:** 9V alkaline battery.

**WORKING ENVIRONMENT:** "Facile" is watertight, so you can install it outside or in the control box.

Make sure that the cover is closed.

# SINGLE VALVE IRRIGATION CONTROLLER

## FACILE PLUS RPE 003

- Irrigation time - from 30 sec to 120 min
- Irrigation frequency - from ½ hour to 96 hours
- Start delay - from ½ hour to 12 hours
- Test cycle
- Can work in conjunction with a rain sensor.

**INSTRUCTIONS:** Fit the controller to the valve, insert the alkaline battery: the valve will receive one closing impulse.

### ENERGY SAVING

To extend the battery life, the display will turn off automatically after 30 sec. if no buttons are pushed. Push one of the 2 buttons for 2 seconds to light up the display.

### REPROGRAMMING THE CONTROLLER

To reprogram the “Facile 003” remove the battery for 30 seconds.

### RAIN SENSOR

To attach the rsa rain sensor, cut the black cable of the controller and connect it to the normally close contact of the sensor.

### SUPPLY

One 9v **alkaline** battery.

### WORKING ENVIRONMENT

“Facile 003” is watertight, so you can install it outside or in the control box. make sure that the cover is closed.

### PROGRAMMING

1. push one the buttons for 2 sec.: the display lights up and shows intermittently the irrigation time parameter
2. to set the irrigation time, push the button set valori until the chosen time appears – look at schedule “value setting” irrigation t.
3. after setting of the irrigation time, push the parameter button until the f letter (irrigation frequency) appears and push the button set valori until the desired time is shown – see the table “value setting” frequency.
4. push the parameter button until the letter “p” appears (start delay) and push the button set valori until the required time appears – see the schedule “value setting” delay. Confirm the data by pushing the parameter button, on the display will appear the letter “a”.

### PROGRAM ERROR CHECKING

During the programming the controller checks the data, to avoid the error of overlapping irrigation and frequency times.

#### **S T A R T I N G**

After programming on the display will appear the “**a**” letter (start):

- If you push SET VALORI button, the “**a**” letter will flash and show that the program is activated. then the display turns off.
- If you push PARAMETRI button, you will able to see and change the planned program.

#### **S E L F T E S T**

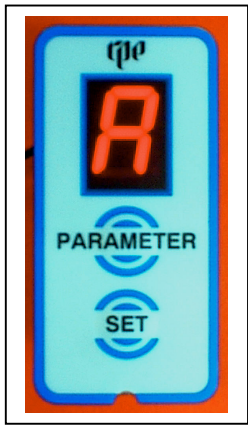
After 2 minutes the display has gone off, the controller will start a test cycle of 2 minutes.

#### **C H E C K I N G D A T A**

During the normal running, after the start of the cycle, it isn't possible to change the program's data, but they can be read.

To read the set parameters push one of the buttons for 2 seconds till the display lights up, then push the PARAMETRI button and scan the program's data.

Rev. 00 del 07.03



**DISPLAY :**  
SHOWS THE PROGRAMMING PARAMETERS AND VALUES

**SELECT PARAMETERS**

**SET VALUE:** TO SET THE VALUE OF THE SELECTED PARAMETER

**Value setting**

PARAMETER	VALUE	IRRIGATION T	FREQUENCY	DELAY
Irrig. Time	t			
	0	30 sec	½ h	½ h
	1	2 min	1 h	1 h
Frequency	F			
	2	5 min	2 h	1 ½ h
	3	10 min	4 h	2 h
	4	15 min	8 h	2 ½ h
	5	30 min	12 h	3 h
	6	45 min	24 h	3 ½ h
Delay	P			
	7	60 min	48 h	4 h
	8	90 min	72 h	8 h
Start	A			
	9	120min	96 h	12 h

# FOUR ZONE IRRIGATION CONTROLLER

FACILE PLUS RPE 004

- Up to four irrigation zones
- Control for master valve or pump (via relay).
- Irrigation time - from 30 sec to 120 min
- Irrigation frequency - from ½ hour to 96 hours
- Start delay - from ½ hour to 12 hours
- Test cycle
- Can work in conjunction with a rain sensor.

**INSTRUCTIONS:** Connect the alkaline battery: each valve will receive one closing impulse.

## ENERGY SAVING

To extend the battery life, the display will turn off automatically after 30 sec. if no buttons are pushed. Push one of the 2 buttons for 2 seconds to light up the display.

## REPROGRAMMING THE CONTROLLER

To reprogram the “Facile 004” remove the battery for 30 seconds.

## RAIN SENSOR

To attach the rsa rain sensor, cut the black cable of the controller and connect it to the normally close contact of the sensor.

## SUPPLY

One 9v **alkaline** battery.

## WORKING ENVIRONMENT

“Facile 003” is watertight, so you can install it outside or in the control box. make sure that the cover is closed.

## PROGRAMMING

1. push one the buttons for 2 sec.: the display lights up and shows intermittently a = zone #1 and the the irrigation time parameter of zone #1.
2. to set the irrigation time, push the button set valori until the chosen time appears – look at schedule “value setting” irrigation T.
3. to set the irrigation time of the other zones push the parameter button till “b” appears (zone #2), repeat point 2 to set the irrigation time for zone #2 and then for #3 and #4.
4. after setting of the irrigation time, push the parameter button until the letter “F”(irrigation frequency) appears and push the button set valori until the desired time is shown – see the table “value setting” frequency.
5. push the parameter button until the letter “P” appears (start delay) and push the button set valori until the required time appears – see the schedule “value setting” delay. Confirm the data by pushing the parameter button, on the display will appear the letter “a”.

## PROGRAM ERROR CHECKING

During the programming the controller checks the data, to avoid the error of overlapping irrigation and frequency times.

## STARTING

After programming on the display will appear the “a” letter (start):

- If you push SET VALORI button, the “a” letter will flash and show that the program is activated. then the display turns off.
- If you push PARAMETRI button, you will able to see and change the planned program.

**SELF TEST**

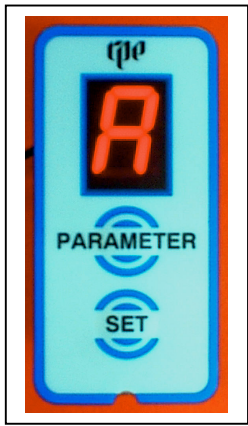
After 2 minutes the display has gone off; the controller will start a test cycle of 2 minutes.

**CHECKING DATA**

During the normal running, after the start of the cycle, it isn't possible to change the program's data, but they can be read.

To read the set parameters push one of the buttons for 2 seconds till the display lights up, then push the PARAMETRI button and scan the program's data.

Rev. 00 del 07.03



**DISPLAY :**  
SHOWS THE PROGRAMMING PARAMETERS AND VALUES

**SELECT PARAMETERS**

**SET VALUE:** TO SET THE VALUE OF THE SELECTED PARAMETER

**Value setting**

PARAMETER	VALUE	IRRIGATION T	FREQUENCY	DELAY
Zone 1	<b>a</b>	0	Zone excluded	½ h
Zone 2	<b>b</b>	1	30 sec	1 h
Zone 3	<b>c</b>	2	2 min	1 ½ h
Zone 4	<b>d</b>	3	5 min	2 h
Frequency	<b>F</b>	4	10 min	2 ½ h
Delay	<b>P</b>	5	15 min	3 h
Start	<b>A</b>	6	30 min	3 ½ h
		7	45 min	4 h
		8	60 min	8 h
		9	120min	12 h