

# FLORI 1&3 stations

## Moisture sensor activated irrigation controller

### Applications

- For Residential & Commercial applications
- For water conservation
- Where electricity is unavailable
- For maintenance-free applications
- For indoor and outdoor installation



Flori 1

### Features & Advantages

- Monitors the soil moisture level for precise irrigation according to plants needs.
- Flori 1 - Activates one electric valve (valve included).
- Flori 3 - Activates up to three electric valves, (valves not included).
  - Sequential irrigation from station 1 to 3.
  - Valve 2 & 3 can be set to 40-220% of valve 1 irrigation time.
- Stand-alone battery operated, one battery operates all components.
- Saves the need for seasonal adjustments of irrigation.
- Waterproof (I.P.67), weather resistant.
- Three operation modes:

#### Sensor mode:

- Irrigates only when plants need it, with watering level choice.
- Moisture level choice, from 1 "completely dry" to 10 "soaking wet".
- Non-irrigation time window.

#### Time mode:

- Choose your irrigation frequency out of 10 preset programs.

#### Combination:

- Irrigation program stops when moisture reaches desired level.



Flori 3

FLORI 1 & 3

# FLORI 1&3

## Specifications

### Controller

Controller body: ABS

Standard: CE

Battery: 1x unit 9V alkaline (not included)

Battery life: 1 season or 1000 valve operations

Moisture sampling (preset):

- **Between** irrigations – once every hour
- **During** irrigation – starts once every 2 min., then once every 10 min.

Output voltage: 12.5V

Pulse width: 100 m.sec

Capacity: 4700  $\mu$ F

### Valve (Flori 1 only)

Valve size: choice of  $\frac{3}{4}$ " and 1" Aquanet DC

Valve cable: 0.6 m (2 ft) included.

Maximum extension between the valve to the Flori unit: 100 m (330 ft) -  $\varnothing$ 1.0 mm cable

Flow range: 25-6000 l/h (0.1-26 GPM)

Pressure range: 0.2-10 bar (6-150 PSI)

Thread: BSP (standard) NPT (optional)

Body: reinforced nylon

Wet part: EPDM diaphragm - no metal parts

### Sensor

Capacitance sensor

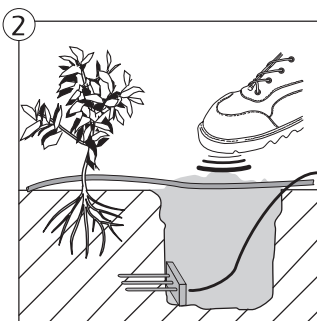
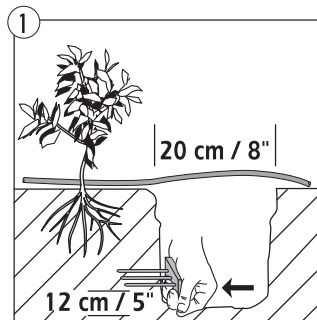
Analog measurements

Sensor cable: 5 m (16 ft) included.

Maximum extension between the sensor and the Flori unit: 30 m (100 ft) when using sealed connections.

### Pre set irrigation programs

Program	Day cycle	Irrigation duration min.
A	1	10
B	1	20
C	1	30
D	2	10
E	2	20
F	2	30
G	3	20
H	3	60
I	5	60
J	5	90



## Ordering guide

Flori 1 w/ $\frac{3}{4}$ " Aquanet BSP	36020-002100
Flori 1 w/ 1" Aquanet BSP	36020-002300
Flori 1 w/ $\frac{3}{4}$ " Aquanet NPT	36020-002700
Flori 1 w/ 1" Aquanet NPT	36020-002800
Flori 3 (valves not included)	36020-002850

## Packaging data

	Quantity	Dimensions (cm)	Weight(kg)
Flori 1 $\frac{3}{4}$ ", 1"	1	35.0x22.0x8.0	1.25
Flori 3	1	27.0x21.5x5.0	1.0

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