

MIRACLE[®] AC/DC

Specifications

Programming features

- 1 Control dial** – Select screen and function.
- 2 Command button** – Select cursor position.
- 3 Command button** – Set value or activate/deactivate function.
- 4 Command button** – Select program.
– Select a.m./p.m. or 24 h clock schedule.

- 5 Off** – Discontinue all irrigation programs.
- 6 Rain Delay (per program)** – Delay watering up to 99 days. Automatic return to Auto-mode.

- 7 Run** – For automatic controller operation.
– Enables viewing of Miracle's status.

- 8 Set Time/Day** To select the current time and day.
- 9 Active Days** Select days of operation per program. Miracle can be programmed to any calendar day of the week or by day interval cycles between irrigations.

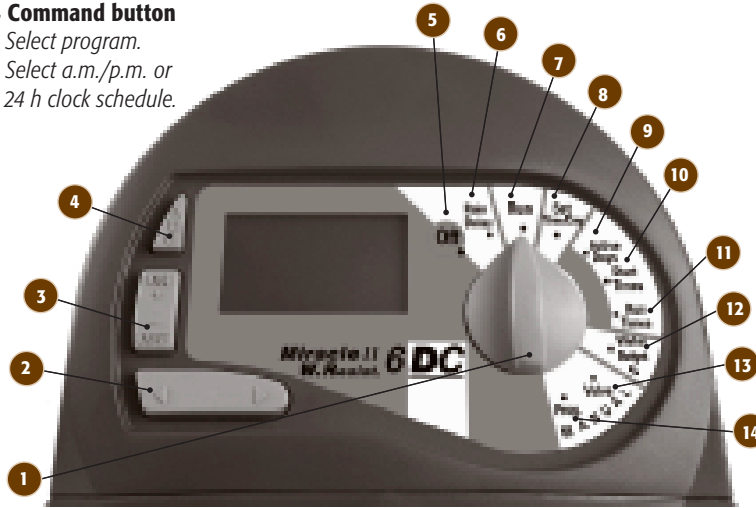
- 10 Start Times** Enables programming of up to 4 start times/day per program.

- 11 Run Times (per station)** Sets duration of irrigation from 1 minute up to 9 hours 59 minutes.

- 12 Water Budget** Adjusts program Run times from 10% to 200% of their original programmed time.

- 13 Manual (Station)** Manual operation of a single valve (station).

- 14 Manual (Program)** Allows manual operation of a complete program.



Wiring data

Max. distance between Aquanet DC valve and Miracle DC:
13.5 VDC 100 ms 47000 mf

Wire characteristic

Wire gauge Avg	Diameter mm	Cross section mm ²	Max. distance m
20	0.8	0.5	150
17	1.1	1.0	240
15	1.4	1.5	330

Max. distance between Aquanet II AC valve and Miracle AC:
Wire characteristic

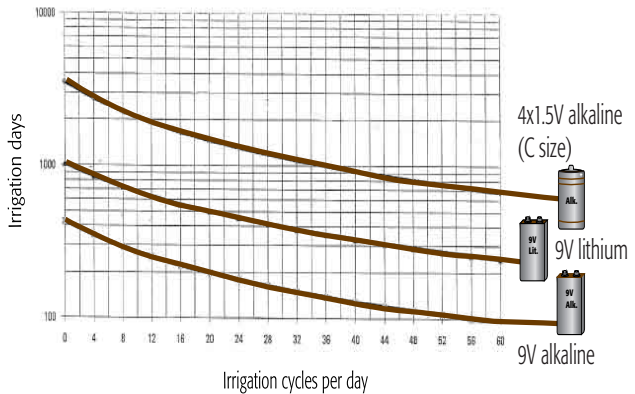
Wire gauge Avg	Diameter mm	Cross section mm ²	Max. distance m
20	0.8	0.5	1250
18	1.0	0.8	2000
17	1.1	1.0	2500
16	1.3	1.3	3500
15	1.4	1.5	5000

Packaging data

	Quantity	Dimensions (cm)	Weight(kg)
Miracle DC indoor	1	26.0x20.0x6.5	0.73
Miracle AC indoor	1	31.0x20.0x6.5	1.33
Miracle DC outdoor	1	35.0x25.5x8.5	1.89
Miracle AC outdoor	1	35.0x25.5x8.5	2.37

Anticipated battery life

Miracle DC controller with Aquanet valve (estimated)



Ordering guide

Model	Power	Cabinet	Transformer	
			voltage	type
6	AC	indoor	220V	internal
9	DC	professional	220V-UK*	wallmount
12			110V	

Example: Miracle 6, AC, professional, 220V, internal. * For use in the UK only.

Distributed by:



MIRACLE[®] AC/DC

Irrigation Controller made by  **MOTOROLA**

Applications

- For control of residential and commercial irrigation systems
- For indoor and outdoor installations
- Where electricity is not available (DC models)

Features & Advantages

- **Models:**
 - AC** – 220V/50 Hz or 110V/60 Hz models
 - DC** – 1 x 9V battery or 4x1.5V C size batteries
- **AC/DC 6, 9 or 12 stations**
- **Main Valve (MV)**
or for Pump Control with relay
- **3 independent programs,**
each has 4 start times
- **Operates 3 valves simultaneously**
- **Water budgeting**
10%–200% per program
- **Sensor input**
Suitable for soil moisture or rain shut-off device
- **Rain delay**
Allows delay of irrigation up to 99 days, per program
- **Active days**
Calendar day of the week or 1-7 day interval between irrigations
- Choice of indoor or outdoor cabinet
- Available in various languages

Miracle indoor domestic cabinet



Miracle outdoor professional cabinet



- Reinforced plastic, wall-mounted cabinet for indoors or outdoors
- Rainproof (IP65)
- Padlock secured



DC model cabinet w/ 4 "C" size batteries



AC model cabinet w/ internal transformer

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