

PD-1B main controller



PD-1B-40



PD-1B-24



PD-1B-8

Package Size: 15*21*5CM

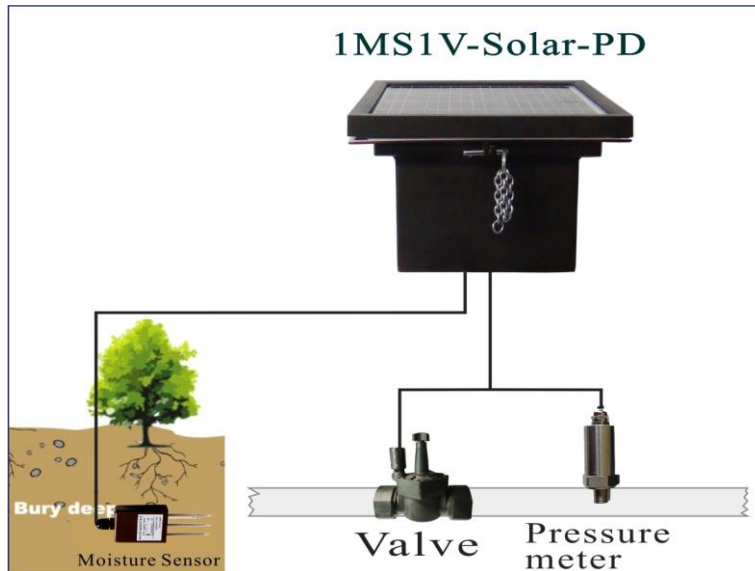
Specifications:

- 1) Power supply: 24V ac $\pm 20\%$, 50-60Hz
- 2) Idle current: 2mA
- 3) Input signal of valve: 24V ac $\pm 20\%$
- 4) Frequency: 902-928 MHz
- 5) Wireless transmitting power: Less than 24dbmW
- 6) Wireless distance for one layer: $\geq 500\text{m}$, after 4 layers relays: 2000m
- 7) Valve numbers: 1-40, Master valves: 2

Field controllers:

1. Field Controller 1MS1V-Solar-PD

Control up to one moisture sensor, and one 1" to 3" valve.



Package Size: 29.5*25*19CM

Specifications:

- 1) Solar panels: 17.4V dc /220mA/3.8W
- 2) Back-up battery: 10*1.2V/ 2.3Ah AA Size
- 3) Quiescent current: 1mA ; Frequency: 902-928 MHZ
- 4) Communication distance at open space: 500m
- 5) Working environment: Temperature [-30~60°C]; Humidity [<90%]
- 6) Duration of fully charged battery: About 7 days
- 7) Battery charging time: 10 hours in standard illumination
- 8) Antenna: The built-in antenna is attached to the inside of the controller shell.

This controller supports moisture sensor, does not register with PD-1B. Following install of moisture sensor with this controller, set wet control level, then this controller will not open valve when the wet control level is reached.

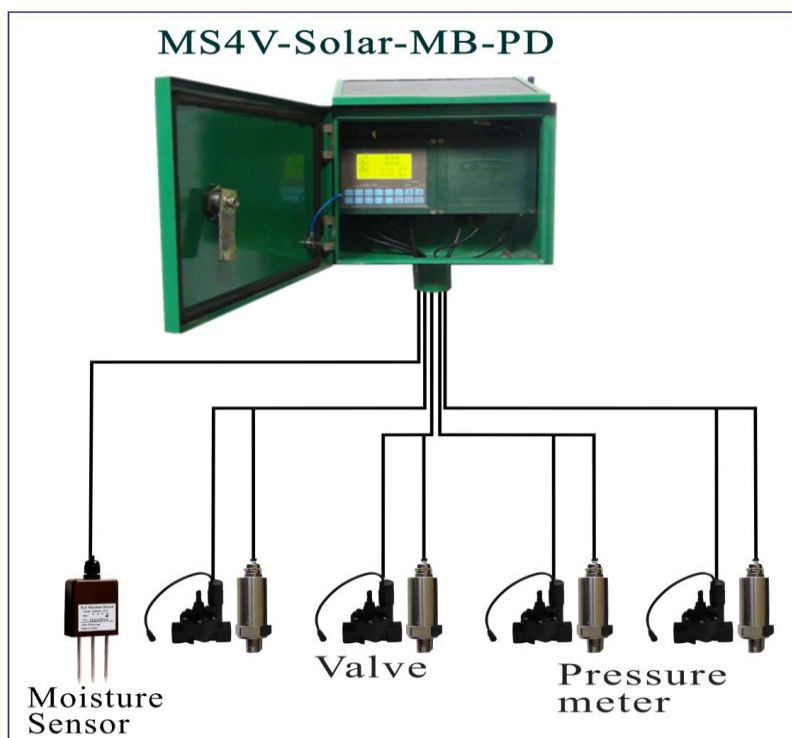
This controller supports pressure meter/switch, install them on pipe after valve, set

pressure range and enable the function from the field controller. Then field controller will check if open/close is normal, will alarms if failed three times, will display such as “valve open failure” on LCD. No pressure information display on PD-1 main controller

How to order: 1MS1V-Solar-PD

2. Field Controller MS4V-Solar-MB-PD

Control up to one moisture sensor, and four 1" to 3" valve.



Package Size: 40*34*20CM

Specifications:

- 1) Solar panels: 17.4V dc /220mA/3.8W
- 2) Back-up battery: 10 x 1.2V/ 2.3AH AA Size
- 3) Quiescent current: 1mA ; Frequency: 902-928 MHz
- 4) Wireless distance at open space: 500m
- 5) Operating environment: Temperature [-30~60°C]; Humidity [<90%]
- 6) Lasting time of fully charged battery: 7 days without sun.

- 7) Battery charging time: 10 hours under standard illumination.
- 8) Antenna: The built-in antenna is attached to the inside of the controller shell.

This controller supports moisture sensor, does not register with PD-1B. After installed moisture sensor with this controller, setup wet control level, then this controller will not open valve when the wet control level is been reached.

This controller supports pressure meter/switch, install them on pipe after valve, set pressure range and enable the function from the field controller. Then field controller will check if open/close is normal, will alarms if failed three times, will display such as “#1 valve open failure” on LCD. No pressure information display on PD-1 main controller

How to order: MS4V-Solar-MB-PD

3. Field Controller V-Cover-PD

Control up to one 1" to 3" valve



Package Size: 35*26*27CM

Specifications:

- 1) Batteries: 3*3.6V/19000mAh #1battery

- 2) Power supply: DC 12V
- 3) Idle power consumption: <800uA
- 4) Wireless frequency: 902-928 MHZ
- 5) Wireless distance: Open space>=300M
- 6) Work environment: Temperature [-30~60°C]; Moisture [<90%]
- 7) Estimated battery lasting time:>180 days

This controller supports pressure meter/switch, install them on pipe after valve, when power on the field controller, it will auto check if there is a pressure meter/switch installed, if Yes, will auto enable the pressure meter/switch, if No, will auto disable the pressure meter/switch. Then field controller will check if open/close is normal.

How to order: V-Cover-PD

4. Wireless Remoter: Remoter-Bat



Package Size: 9*16*6CM

Specifications:

- 1) Battery: 2*1.2V/ 2300mAh AA Size
- 2) Quiescent current: <100uA
- 3) Frequency: 902-928 MHz
- 4) Wireless distance at open space: More than 100m
- 5) Working environment: Temperature [-30~60°C]; Humidity [<90%]
- 6) Duration of fully charged battery: About 30 days
- 7) Battery charging time: 2 hours

How to order: Remoter-Bat

Accessories:

1. Moisture sensor:



Package Size: 10*17*7CM

Specifications:

- 1) Output: Digital data.
- 2) Moisture Range: 0-99%.
- 3) Precision: +/-5% .

4) Sample collection: Every 5 minutes when irrigating, otherwise every 30 minutes.
Will renew when there are special commands.

5) Extension cable is up to 50 meters.

How to order: Msensor-02

2. Solenoid valve:



Package Size for 1 inch valve: 14*17*11CM

Specifications:

- 1) Output: latching valve
- 2) DC 6-12V
- 3) Extension cable is up to 20 meters.

How to order: Mvalve-1 to Mvalve-17

3. Pressure switch:



Package Size: 11*12*7CM

Specifications:

- 1) Pressure range: 0.06Mpa-0.6Mpa; 0.1Mpa-1.3Mpa
- 2) Threads: Optional 1/4 NPT or 1/4G
- 3) Extension cable is up to 50 meters

How to order: GG-PS-P11-1/4"

4. Pressure Meter:



Package Size: 10*12*7CM

Specifications:

- 1) Range: 0.1-1.0 Mpa
- 2) Accuracy: +/- 1%
- 3) Output: 4-20mA
- 4) Supply power: 9-15VDC
- 5) Thread: Optional 1/2NPT, or 1/2G
- 6) Work temperature: -20-120°C
- 7) Extension cable is up to 50 meters.

How to order: Pressure meter-02

5. Rockery:



Package Size: 43*37*32CM

Used for 1MS1V, suitable in landscape and gardens, covering ANC irrigation controller, more beautiful.

How to order: Rockery-01