



# An Entirely **NEW** Way to Water



AccuRain is the next-generation watering system you can use today

AccuRain is unlike any watering system. AccuRain provides optimal irrigation. Now, for the first time, you can—

- ◆ Water an area up to 60 feet in diameter with *each* watering head.
- ◆ Define, *electronically*, up to 15 zones of any size or shape for *each* watering head. Water a pot or a plot, and easily make changes to any zone at any time.
- ◆ Water by amount, not time.
- ◆ Apply a precise amount of water to any specific landscaping, on any schedule.
- ◆ Provide *optimal irrigation* for all of your landscaping, no matter how varied the watering requirements of specific plantings.

## AccuRain is ...

### Easy to install

- Can be self-installed by most homeowners.
- Uses PVC pipe and simple four-conductor cable.
- Can be installed entirely above-ground.
- Doesn't require complex valves.

### Flexible

- Waters anything within a 60 foot circle.
- Up to 15 zones/head, up to 30 heads/system.
- Waters any size and shape zone.
- Zones are defined electronically, and can be changed in size or shape, added, or deleted at any time.
- Expandable at any time.
- Watering frequency/times can be changed in seconds.

### Economical

- Virtually no runoff, because AccuRain waters gently.
- Lowers watering cost while providing better plant care.
- Low installation cost, low maintenance cost.

### Ecologically sound

- Avoids overwatering and water waste.
- Gives every landscape element exactly the water it needs.
- Waters in a natural way, slowly and evenly.

### Better!

- It's *optimal irrigation*.
- It's better use of a scarce and expensive resource.
- It's better care for your expensive landscaping investment.



**AccuRain is the best way to protect your landscaping investment**

## System Overview

<b>Number of watering heads</b>	From 1-30 heads per system. 30 heads cover approximately 1.5 acres.
<b>Operating modes</b>	AUTO operates according to the user-programmed schedule. DELAY stops the current day's schedule, resumes the schedule the next day. MANUAL mode skips all scheduled watering. All data is retained when the power is off.

## Watering Head

<b>Maximum number of zones</b>	15 zones per watering head.
<b>Number of dots to define a zone</b>	3 to 24 dots per zone.
<b>Water applied per zone</b>	.1 to 2 inches per watering (default, .1).
<b>Watering frequency per zone</b>	Each zone is entirely user selected based on a two-week programming window.
<b>Watering head size</b>	4.5 inches.
<b>Connecting pipe</b>	Half-inch PVC Schedule 40 (below ground) or Schedule 80 (above ground).
<b>Recommended height</b>	48 inches or more above ground level to achieve maximum range; attached to a firm support.
<b>Maximum range</b>	30 feet at a minimum water pressure of 45 PSI.
<b>Range of direction</b>	360 degrees (full circle).
<b>Coverage</b>	Up to 2800 square feet.
<b>Water flow</b>	1 gallon per minute per watering head.
<b>Heads operating simultaneously</b>	1-10 heads, depending on available water pressure.
<b>Electrical</b>	24 volts DC; max 0.8 amps for 1-6 heads; 25 watts max, 7-30 heads 60 watts max power.
<b>Water pressure range</b>	45-75 PSI. Works with well pressure tank, but not a direct pressure pump.

## Controller

<b>Description</b>	Plugs into the junction box for normal operation. Also used to name and program each watering head. The two-line display shows the current function and allows entry of values.
<b>Weather adjustment</b>	Increase or decrease the frequency of watering for all zones to allow for abnormally cool, wet, hot, or dry weather. Settings are normal (1X), hot (2X), cool (0.5X) and cold (0.25X).
<b>Day and time</b>	Maintains the current day and time, to permit correct scheduling.
<b>Start time</b>	User settable to any value in one-hour increments.
<b>Watering days</b>	Choose any day(s) within a two-week period.
<b>Error indication</b>	Signaled by a beep (data error) or a flashing red SYSTEM FAULT lamp for all others.
<b>Errors reported</b>	Water error, rotation error, data error.

## Junction Box and Transformer

<b>Wall transformer</b>	Requires connection to a standard 120 volt electrical outlet. Standard transformer powers 1-6 watering heads. Large transformer available for >6 heads. Must be mounted indoors or in a weather-protected box outdoors.
<b>Voltage input/output</b>	120 volts AC/24 volts DC. Large transformer supports international power standards with an IEC cord.

## User-Supplied Materials

<b>Water pipe</b>	Half-inch Schedule 40 PVC (buried) or Schedule 80 PVC (exposed). Other types may be used, but NOT Schedule 20 PVC.
<b>Cable</b>	Four-conductor 18 AWG or heavier, rated for direct burial.
<b>Valves</b>	Input water valve, drain valve/backflow valve.



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