

WATERMARK

Automatic Soil Moisture Irrigation Scheduling



for



CITY PARKS – COUNTY PARKS



COMMERCIAL LANDSCAPES



RESIDENTIAL LANDSCAPES



HIGHWAYS AND MEDIANS



GOLF COURSES



ATHLETIC FIELDS



CEMETERIES

IRRIGATOR CO.

– serving the Irrigation Industry Since 1951

WATERMARK

Soil Moisture Automation

...Optimizes Irrigation Scheduling

Scheduling irrigation based on the amount of moisture in the soil is not new. Landscape professionals have utilized soil moisture measurement and control products for over 40 years. The IRROMETER COMPANY has led the way with its patented IRROMETER and WATERMARK technology.

The WATERMARK Soil Moisture Automation products work with the irrigation controller to allow water to be applied **ONLY WHEN** and **WHERE** it is necessary. This advanced method of irrigation control provides the utmost in water conservation, while maintaining the health of the landscape.



The Watermark Sensor –

The patented WATERMARK soil moisture sensor is a solid state, no-maintenance sensor that has been proven in service since the 1980's. This electrical resistance type sensor provides accurate soil moisture readings from 0 to 200 centibars – the entire soil moisture range required in irrigated landscapes and agriculture. The sensor requires no water or vacuum gauge – making it maintenance free. The WATERMARK does not dissolve in the soil, as a gypsum block usually does in a short time. However, the WATERMARK does include internally installed gypsum, which buffers the effect of normally found salinity levels in irrigated landscapes and agriculture. Because they are unaffected by freezing temperatures, WATERMARK sensors can be left in the ground year-round.

WATERMARK – Your “Window” to Soil Moisture



WATERMARK

Multiple Hydrozone System

. . . Soil Moisture Automation for your Controller

AUTOMATIC IRRIGATION SCHEDULING

Features . . .

- Modular Design
 - Up to 8 Separate Moisture Sensing Areas
 - Uses the WATERMARK Electronic Module
- Easy to Install – New or Retrofit
- Individual Area Moisture Adjustment is Easy
- Range from 10 to 120 Centibars
- Works with all 24 Volt AC Controllers
- Easily Mounted in a Control Enclosure
- Override for Manual Operation
- No Maintenance

Benefits . . .

- Control your Irrigation Costs
- Save Water, Labor, Energy and Money
- Deliver Water Only When and Where Necessary
- Grow Healthier Turf and Plants
- Mitigate Pest and Disease Problems
- Reduce Fertilizer Leaching
- Protect Groundwater
- No Need to Re-Program the Controller for Seasonal Changes



. . . Soil Moisture Control Made Easy



For Irrigation Designers and Landscape Architects . . . WATERMARK Landscape Design Guide which includes:

- Construction Details
- Wiring Diagrams
- Specifications
- CD with AutoCAD drawing files



WATERMARK Electronic Module

. . . Soil Moisture Automation for your Controller

AUTOMATIC IRRIGATION SCHEDULING

Features . . .

- Valve Control Based on Soil Moisture
 - Individual Valves
 - Groups of Valves
 - All Valves
- Adjustable to Plant Requirements
 - From 10 to 120 centibars
- Override for Manual Operation
- Solid State Electronics
- Potted for Long Life
- Easy to Install – New or Existing Systems
- No Maintenance
- Works with all 24 Vac Controllers

To Valves or Controller:

Individual Valve

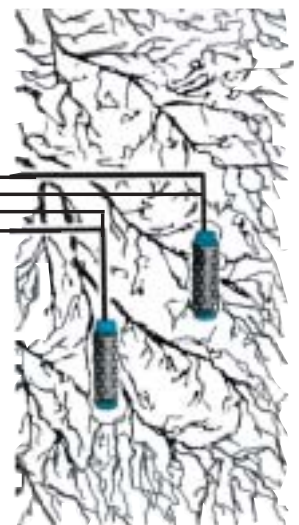
- Every valve
- independently adjustable

Valve Groups

- Two or more Hydrozones

All Valves

- Single WEM per controller



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