

## Air Cooled **Watertank Line** Cathodic Protection Rectifiers

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Low output, low cost, lightweight cathodic protection rectifiers for underground storage tanks and other low DC power cathodic protection applications  
maximum 200 watts & 10 amps

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The “W” series auto potential controlled rectifier is specifically designed for the Water Tank Industry. Using proven, dependable solid state control boards to maintain strict “Standard On” or “I.R.Free” potentials. Easy read Bright LED Digital meters for accurate readings of volts, amps and potentials. This compact, light weight rectifier can easily be mounted on tank walls or posts by one person.



IR Free Potential Watertank



Standard Potential Watertank

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### Standard Features **Watertank Line**

- Nema 4x Diamond Shield CSA Approved enclosure with “Solarguard” double UV protection
- Stainless steel hinge and latches.
- All major components mounted on an aluminum chassis with Universal’s unique cooling design.
- Non conductive shock resistant front panel for safety
- All Circuit Breakers - No Fuses
- Universal’s proven solid state potential control circuit with built in voltage and current control modes.
- Fully protected input and output circuits with fast-acting re-settable circuit breakers (NO FUSES).
- Separate Digital LED meters for volts, amps and potential w/ amp readings down to 10 milliamps
- All readings can be verified from front panel.
- Accessible front panel Total precision shunt
- Hinged front panel for easy access to components
- Multiple reference cell operation with built in reference cell failure shut down.
- Automatic or Manual operation.
- Versatile mounting for post, rack or wall
- Most models weighing less than 35 pounds.
- Wide range of output ratings available.

## Optional Features

### Air Cooled **Watertank Line**

- Standard Potential or IR Drop Free Potential
- Potential Monitor with Red & Green Lights
- AC & DC Lighting Protection
- Riser Circuit with 50 Watt 22 Ohm Rheostat, Shunt & Breaker

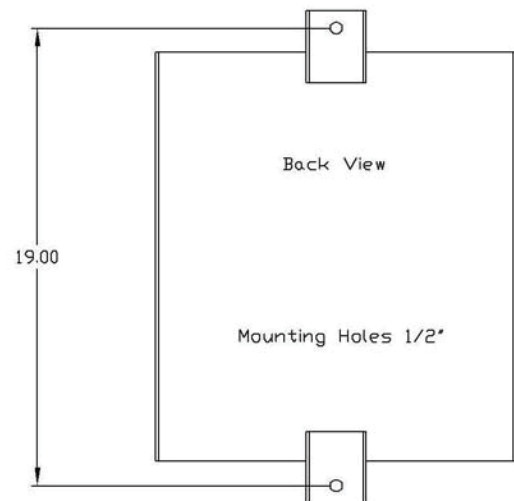
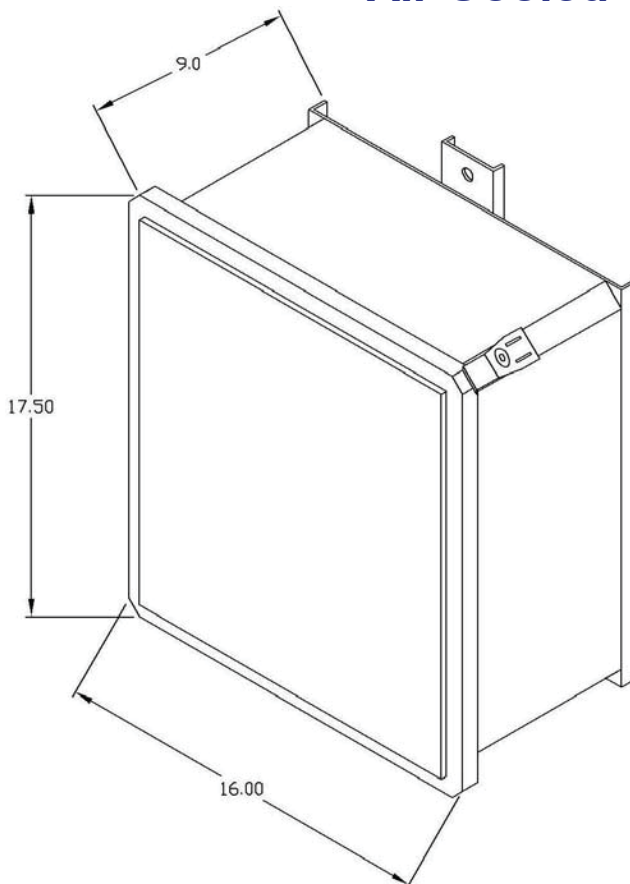


Watertank Potential Monitor  
with red & green lights

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## Typical Cabinet Dimensions

### Air Cooled **Watertank Line**



## Ordering Code / Model Number

### Air Cooled **Watertank Line**

#### Position #1: Model

W = Watertank

#### Position #2: Output Control Type

P = STD. Potential

I = IR Free Potential

#### Position #3: Type

A = Air Cooled

#### Position #4 Stack Type

I = Silicon

#### Position #5: DC Output Voltage\*

List DC Voltage Desired (See available ratings below)

#### Position #6: DC Output Current\*

List DC Current Desired (See available ratings below)

#### Position #7: Special or Optional Features

G = 115 VAC Single Phase 60 Hertz

C = AC & DC Lighting Arrestors

K = Potential Monitor (Red & Green Status Lights)

S = Riser Ckt with 50 watt 22 Ohm Rheostat,  
Shunt, & Breaker

\* Standard Ratings

12 Volt - 5 Amp  
12 Volt - 10 Amp  
20 Volt - 5 Amp  
20 Volt - 10 Amp

30 Volt - 5 Amp  
20 Volt - 8 Amp  
40 Volt - 5 Amp  
Special rating consult factory



Watertank internal  
component view