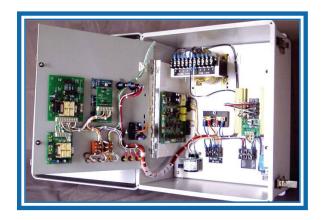
C.P. Sentinel "Aqua-Line" Series Cathodic Protection Rectifier



The **IRT C.P. Sentinel "Aqua-Line" Series** is designed and manufactured with high quality materials to deliver unmatched performance, reliability and longevity in protecting water and wastewater related assets. This series provides the precise control required to maintain the protection criteria as determined by the ANSI/AWWA standard D104.

STANDARD FEATURES

- Standard DC output ratings: 20 Volt-5 Ampere, 30 Volt-8 Ampere and 30 Volt-16 Ampere (other ratings optional)
- Type 4X enclosure; with superior UV protected white fiberglass reinforced polyester (FRP) construction (other enclosure types optional); stainless steel hardware; single lockable door; wall or frame mounting (pole mounting optional)
- Removable chassis panel construction
- "Touch-Safe" hinged instrument panel (protects operator from electrical connections)
- Electrical hardware is brass or copper with electroless nickel plated finish
- Electrical connections are double-nutted.
- 115 Volt single phase AC input (for other options, please consult with our Sales team)
- Magnetic trip AC input circuit breaker(s)
- Class H transformer with over capacity design

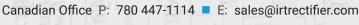




- Electronic "IR-Drop Free" Structure-to-Reference Electrode Potential control mode ("ON" Potential mode optional)
 - Electronic Voltage and Current control modes and limits; automatic transition between electronic control modes (no manual switching required)
 - □ Current/voltage control within ±3% of set point / Potential control within ±5 mV of set point
 - □ LED indicators for operational mode and power indication
 - ☐ Reference electrode input resistance >20 MOhms
 - Auxiliary "manual" transformer tap type output adjustment mode (25 steps) with "Automatic/Manual" operation selector switch
 - □ (3) terminals for connection of (2) Reference Electrodes and (1) Structure Sense Lead with Reference Electrode selector switch
- AC secondary and DC output fusing with spares
- SCR/diode rectification bridge with surge protection
- High intensity 3.5 digit LED meters (+/- 0.1% accuracy) with "Off-On" switch
- High energy AC and DC lightning/surge protection
- Operating ambient: -40° to +45°C (-40° to +113°F)
- NRTL electrical approval (Intertek/ETL)
- Limited application specific optional features available

Products to protect your assets and our environment!





www.irtrectifier.com

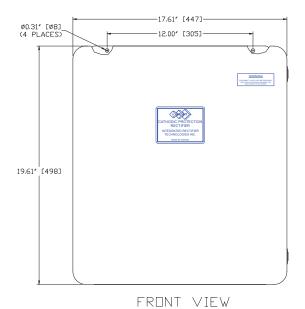


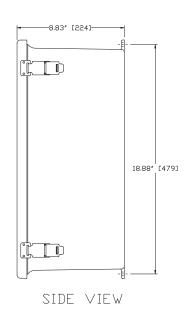
C.P. Sentinel "Aqua-Line" Series Model Coding and Enclosure Dimensions

CAASAS 30-16A_bP C.P. SENTINEL AQUA-LINE AIR-COOLED TYPE SILICON RECTIFIER TYPE AC INPUT A - 115 VAC OPTIONAL INPUTS (CONSULT FACTORY) S - SINGLE PHASE DC VOLTAGE RATING DC CURRENT RATING

COMMON OPTIONAL FEATURES

- A_b POTENTIAL MONITOR ALARM CIRCUIT WITH DOOR MOUNTED LED ALARM LAMPS
- D UPGRADED SCR DIODE VOLTAGE (PIV) RATING
- P AUXILIARY POSITIVE OUTPUT CIRCUIT c/w 5 OHM 100 WATT RHEOSTAT
- W NON-STANDARD ENCLOSURE TYPE





Standard C.P. Sentinel Aqua-Line Model Information					
MODEL	AC Volts (Nominal)	AC Amperes (max)	DC Volts (max)	DC Amperes (max)	Packaged Weight (lbs.)
CAASAS 20-5	115	1.71	20	5	48
CAASAS 30-8	115	3.79	30	8	52
CAASAS 30-16	115	7.58	30	16	63