

TASC Automatic Air Cooled

Cathodic Protection Rectifier

ENERGY & MINING

Description

The Corpro T.A.S.C. series rectifier is specifically designed to provide accurate, economical corrosion control for the submerged surfaces of steel water storage tanks and water / wastewater treatment units. The T.A.S.C. VIII is designed by NACE accredited cathodic protection engineers for optimum performance in accordance with ANSI/AWWA D104, Type A, IR Drop Free control standards. The T.A.S.C. rectifier automatically monitors and adjusts the DC output required for optimum corrosion control. The T.A.S.C. rectifier control unit is equipped with an automatic potential limit, which is adjusted to maintain AWWA D104-97 and NACE criteria for optimum cathodic protection corrosion control while preventing over or under protection of the coated surface. Superior design, engineering and operation provide owner/operators with long life, low maintenance performance. The standard digital display meters facilitate ease of monitoring, with performance indicator lights on the front cabinet available as an optional extra feature. Each T.A.S.C. rectifier is both factory and job site tested to insure quality workmanship and performance.

Features

- Totally Automatic Control.
- Eliminates "IR" Drop Error.
- Controls from 0 to 100% of Rated Output.
- Automatic Current Limiting.
- Soft-Start Circuitry To Avoid High Initial Power-On Inrush Currents.
- Anti-spike technology for prevention of voltage/current overshooting after release of interruption.
- Full-wave silicon rectification.
- High energy AC input surge protection.
- High energy DC output surge protection
- Secondary AC surge protection.
- Plug In Automatic Control Circuit Board.
- Switch for Automatic/Manual Operation.
- High Intensity LED Digital Meters.
- Transformer constructed to Class "H" (180°C/356°F) temperature requirements with a minimum efficiency of 95%.
- All brass/copper hardware finished in electroless nickel plate for superior corrosion prevention.
- Wall or pole mounting.
- One year warranty, from date of purchase against defective components, and faulty workmanship.
- Full complement of options to tailor the rectifier to the specific installation requirements.
- Control indicator LEDs.



Specifications

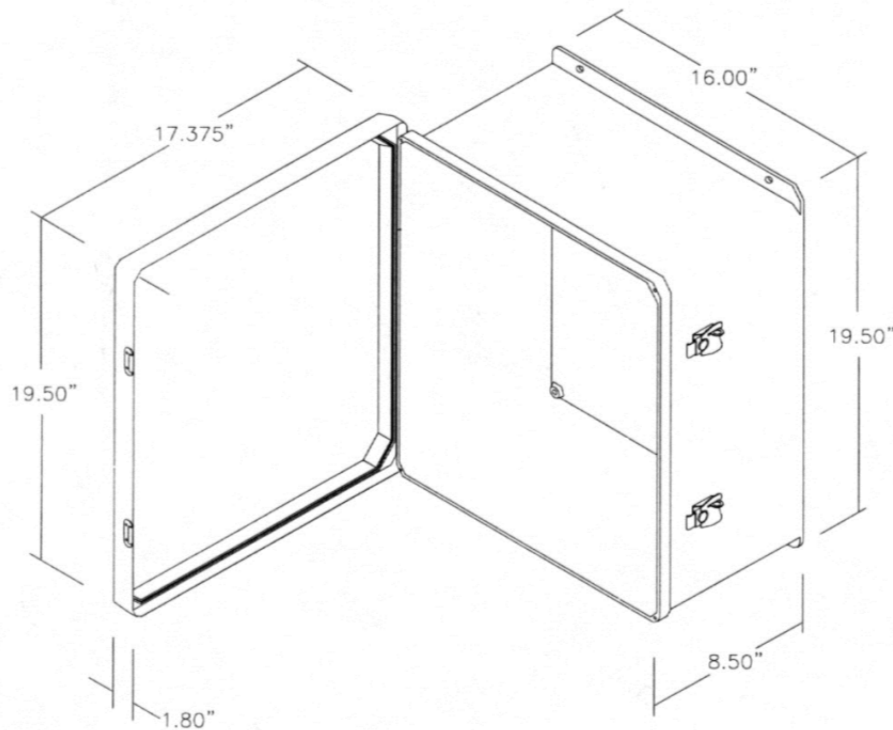
- Single phase inputs: 115, 208, 230, 460 VAC., 60 Cycle
- Magnetic trip input circuit breakers and secondary fuses for full overload & short circuit protection
- Standard 25-steps of tap adjustment.
- Output voltage range 20 or 30 volts DC.
- Output current range 5, 8 or 16 amperes DC.
- Special output or input ratings available on request.
- Metering: 2% meters, temperature compensated.
- Cooling by natural air convection.
- Operating ambient: -40° to +45°C (-40° to 113°F).
- NEMA4X Enclosure.
- Stainless steel hardware.
- "Dead-front" aluminum front panel.

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Enclosure Dimensions



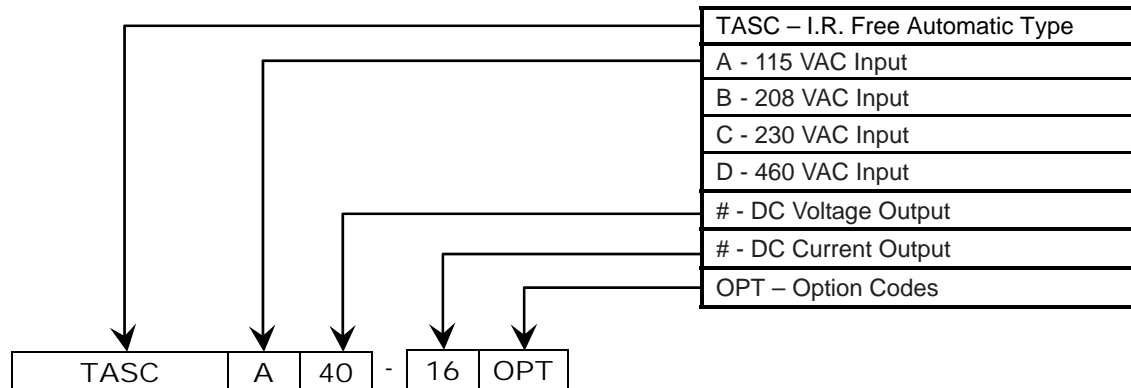
MOUNTING DIMENSIONS: (CENTER TO CENTER)

WIDTH - 12.00"
HEIGHT - 18.75"
HOLE SIZE - 0.34" (11/32)

OVERALL CLEARANCE DIMENSIONS:

WIDTH - 18.00"
HEIGHT - 19.50"

Ordering Guide



Option Code Summary

C - Secondary Anode Circuit
J - Potential Monitor Alarm
R - Non Standard Enclosure Finish
Z - Unlisted Option (Customer Defined)

corrpro[®]

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