

DATA SHEET

CORROSION ELECTRONICS PTY.LTD.
A.B.N. 47 105 844 728

Model CP10XASM CATHODIC PROTECTION POWER UNIT SUITABLE FOR AIR CONDITIONING CHILLERS

Corrosion Electronics "CP10XASM" is cathodic protection power unit, designed for protection of air conditioning chillers.

The units have 1 to 4 outputs up to 3A/20V each in a common negative configuration.

Each of the modules can delivery either auctioneered constant voltage / current modes or a switch selectable constant potential, (Auto), mode with current and voltage limits.

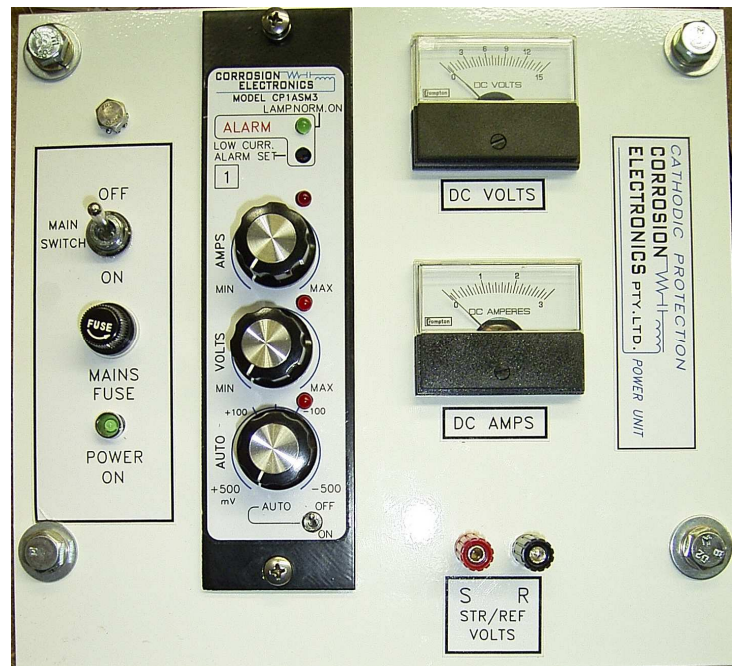
Potential control range can be up to +/- 2.5VDC, (others if desired), but typically +/- 0.5VDC to suit a zinc reference.

The complete systems are packaged in a powder coated, zinc sealed steel enclosure, with provided wall mounting brackets and optional clear window. Key locks can be provided.

Low current alarm/s are provided for external monitoring with LED indication on each module.

A single output system is shown below.

Individual ammeters are provided for each output circuit with a switch common voltmeter for 2-4 output circuits. Reference monitoring posts are provided for monitoring reference potentials for each controller.



SPECIFICATIONS

INPUT POWER

240 Volts AC at up to 2A, (other supplies upon request)
Power ON status LED---green

ENCLOSURE

Material: Powder coated zinc sealed steel.

Features: Gland plate.
Wall mounting brackets.
Key lockable upon request.

Sizes: Single output 400H x 300W x 210D
Two output 500H x 500W x 210D
Three output 500H x 500W x 210D
Four output 600H x 500W x 210D

Rating: IP65

REFERENCE INPUT IMPEDANCE

Typically 1 Gigaohm

ALARM OUTPUTS

Factory set to 15% of output range.
Single pole change over for each output, or common clean contacts
Contacts rated 2A / 30V

INPUT / OUTPUT TERMINALS

DC output: 10mm din rail mounted terminals 1x pos and 1x neg for each output.
Ref. Inputs: 4mm din rail mounted terminals 1x STR and 1x REF for each output.
Alarm outputs: 4mm din rail mounted terminals, typically 1 pair per unit. (other configurations upon request).
Mains input: Covered mains input terminals suitable for up to 6mm cable c/w earth stud.

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