

TECHNICAL DATA

Specifications

Physical

Size

Length: 12.0"
Height: 5.5"
Depth: 11.9"

Weight

14lb.

Environmental

Storage

Temperature: -50°C to 85°C
Humidity: 0 to 95%, non-condensing

Operating

Temperature: -34°C to 74°C
Humidity: 0 to 95%, non-condensing

Mounting

Suitable for shelf mounting

Construction

Chassis

Fully enclosed, anodized aluminum
 Externally accessible switches, LEDs and connectors

Electrical

Most components mounted on conformal coated, internal PCBs

Power

Voltages

AC: 95 to 135Vac
DC: 20 to 28Vdc

Consumption

AC: typ. 15W
DC: as required by output load, external of LCU

Fuse

AC power only, 2.5A

Capacities

Inputs

120, all opto-isolated, with common return

Outputs

72, all opto-isolated, with common return

RS-232 Port

Quantity: two, communications and diagnostic

Type: RS-232, configurable as DTE or DCE

Baud Rates: 110, 300, 1200, 2400, 4800, 9600, 19,200

Bit Format: N-8-1

Inputs

Input Impedance: 22KOhms, opto-isolated

Range - On: 10 to 50Vdc

Range - Off: 0 to 2Vdc

Outputs

Output Impedance: near zero, no series limiting resistor is used, opto-isolated

Range - On: 1Vdc drop, limit 25mAdc

Range - Off: less than .1mAdc at 24Vdc

Controls

Power: illuminated rocker, applies 120Vac

System Reset: pushbutton, restarts CPU program execution

Online Enable: toggle, enables manual control of all outputs

Channel Address: push wheel, assigns unit address in range from 1 to 16

Various switches and jumper settings on removable PCBs allow for configuration control

Indicators

Power: red, part of power switch

Online Status: red LED

Internal Power: red LEDs, one each for 5, 12 and -12Vdc

Connectors

Power

Type: single, 9-pin male, round, twist on/off, AMP 206705-1

Conductors: 5 total, AC with ground, 24Vdc and return

Input and Outputs

Type: four, 57-pin male, round, twist on/off, AMP 206438-1

Conductors: 57 per connector, to/from Opto-Input and Opto-Output PCBs

Communications Port

DB-25 female, configurable as DTE or DCE

Diagnostic Port

DB-25 female, configurable as DTE or DCE

AC Out

AC receptacle, limit 2Aac

Memory

EPROM

Single 28-pin JEDEC socket, 2 to 32KB (typ. 8KB) on CPU PCB

EEPROM

Two 28-pin JEDEC sockets, 2 to 32KB (typ. 8KB) on CPU PCB

Static RAM

Single 28-pin JEDEC socket, 2 to 32KB (typ. 32KB - 8KB used) on CPU PCB

MICRO-AIDE reserves the right to make changes, at its sole discretion, to any specifications listed herein.