SPECIFICATIONS

CIO-RELAY08
CIO-RELAY16
CIO-RELAY24
CIO-RELAY32

Revision 6, August, 2001

CIO-RELAY08, 16, 24 and 32 (standard versions)

POWER CONSUMPTION

+5V supply	510 mA typical plus 22 mA per active (on) relay

GENERAL SPECIFICATIONS

Number	8, 16, 24, or 32
Contact arrangement	Form C (SPDT)
Contact rating	3A @ 120V A. C or 28V D. C. resistive
Contact type	Silver Cadmium Oxide
Contact resistance	100 milliohms max.
Operate time	20 milliseconds
Release time	10 milliseconds max.
Life expectancy	10 million mechanical operations minimum

ENVIRONMENTAL

Vibration	10 to 55 Hz (Dual amplitude 1.5mm)
Shock	10G (11 milliseconds)
Dielectric isolation	500V (1 minute)
Life Expectancy	1 Million Operations Electrical 100,000 Operations @ Full Load

MERCURY WETTED (/M) VERSIONS

POWER CONSUMPTION

CIO-RELAY	510 mA + (22 mA per activated relay max)

GENERAL SPECIFICATIONS

Number	8 or 16
Contact arrangement	Form A (SPST)
Contact rating	50 Watts @ 1 Amp or 500VDC resistive
Contact type	Mercury wetted
Contact resistance	50 milliohms max.
Operate time	2 milliseconds
Release time	2 milliseconds max.
Dielectric isolation	500V (1 minute)
Life Expectancy	10^7 Operations (Full Load)

ENVIRONMENTAL

Operating temperature	0 to 70 °C
Storage temperature	-40 to 100 °C
Humidity	0 to 90% non-condensing
Weight	8 oz.

NOTE: The Mercury wetted boards must be mounted in the computer such that they will remain within 30 degrees of vertical.

Installation of these boards in most tower computer cases will require the tower be rested on its side for proper operation of the mercury relays.

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