

# **SPECIFICATIONS**

**CIO-RELAY08**

**CIO-RELAY16**

**CIO-RELAY24**

**CIO-RELAY32**



**MEASUREMENT  
COMPUTING™**

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## **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 <sup>7</sup> 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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