

Model 320 Cryopump Monitor



Monitor Features & Specifications

- **LCD Meter w/ 1/2" digits.**
- **Range 10 to 320 Kelvin.**
- **Calibrated for CTI type Diode.**
- **10' diode cable & connector included. (STD.)**
- **Adjustable High & Low Temp Setpoints.**
- **Compact size 5 3/8" W x 2 5/8" H x 6 3/4" L.**
- **Can be panel mounted or stand-alone.**
- **Power: 115 VAC or 240VAC, 50/60 Hz.**

Adjusting the Temperature Setpoints

Setpoint settings on the M320 can be read, and adjusted, by pressing and holding either the "High" or "Low" momentary switch on the front panel. The potentiometer screw is located in the smaller hole, to the right of the switch. Turning the screw clockwise raises the setting and turning it counter clockwise will lower it. The reading will be displayed on the meter as you adjust up or down. When the switch is released, a current temperature reading will be given.

FACTORY SETTINGS.

LOW 20K, HIGH 290K

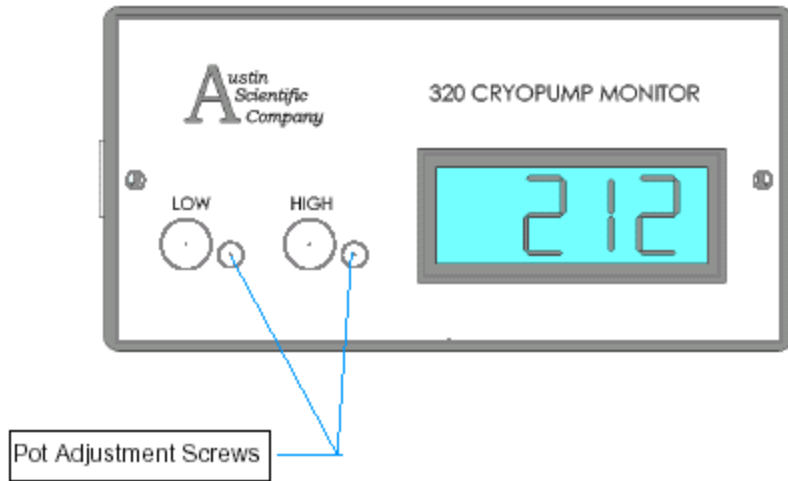
RELAY OPERATION



Both Relays are Normally Closed

When the diode temperature is above the high temp setpoint, both relays are in the Normally Closed state. When the diode temperature reaches high temp setpoint, the high relay will change from the Normally Closed state to the Normally Open state and remain open until the temperature rises above the high setpoint. When the diode temperature reaches the low temperature setpoint, the relay will change from the Normally Closed state to the Normally Open state and remain open until the temperature rises above the low setpoint. When the diode temperature is at or below the low temp setpoint, both relays are open.

Both relays are rated at 5 amps @ 250 VAC



Panel Mounting Instructions

The Monitor is mounted thru a cut-out (see below), and locked with aluminum locking bars that slide into grooves in the sides of the case. A .050" hex-wrench is used on the locking bar setscrews.

