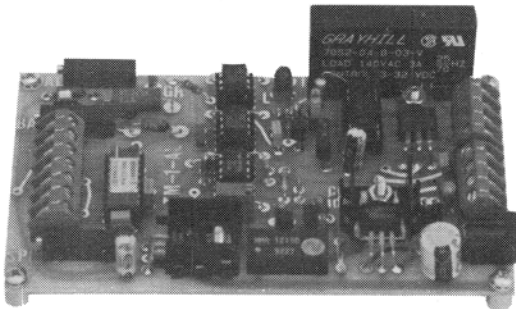


ALARM VERSION AMPLIFIER / CONDITIONER MODULE

The TM-1-AL combines all of the features of the TM-1 Module with a variety of alarm interfaces. Alarm level is set via a trimmer and test points. Alarm action is selected for above set point or below set point. alarm can typically be tested with R-Cal and verified with the on-board lamp. Alarm output can be via AC relay, DC relay or both. Power may be supplied by user (12 VDC) or provided from an optional wall mount unit.



MADE IN USA

FEATURES

- External wall mount power supply available
- Alarm relay outputs
- Adjustable alarm lever
- On-board status LED lamp
- Precision controls

SPECIFICATIONS

AMPLIFIER SECTION

Type : Bipolar, Differential
 Gain Range : 75 to 1000
 Input Sensitivity : 1 MV/V min for 8 V output
 Output Voltage : 0 to ± 8 VDC (linear to 9.5)
 Output Current : 0 to 10 MA
 Non-Linearity : .01% maximum
 Compliance : .1% plus vs minus full scale
 Stability : \pm for 24 hours
 Tempco : $\pm .01\%$ full scale/ $^{\circ}$ C
 Noise and Ripple : Less than 5 MV P-P at gain = 1000
 Filter Type : 2 Pole Butterworth, 12 db/octave
 Frequency Response : DC to 22 Hz (4-500 Hz available, no charge)

BRIDGE SECTION

Excitation Voltage : 8 VDC $\pm .25$
 Sensor Resistance : 120 OHM min, 1 K OHM max
 Balance Range : $\pm 3\%$ of bridge resistance

ALARM SECTION

Selection : On High / On Low
 Adjustment Range : 0 -100% of output
 DC Response : 1 millisecond
 AC Response : 16 milliseconds, max.
 DC Rating : 50 VDC @ 100 MA
 AC Rating : 140 VAC @ AMPS

GENERAL

Weight : Less than 6 oz.
 Size : 3.0 x 5.0 x 1.4 inches tall
 Mounting : Corner standoffs, 4-40 thread
 Input/Output : Via screw terminals
 Operating Temp : 0 to 70 $^{\circ}$ C
 Power Required : 12 VDC $\pm .5$ at 65 MA or -PS power option

OPTION

-PS : Wall mounted power supply adequate for one module