SIGNAL CONVERTERS

PRECISION INTEGRATOR/RELAY OUTPUT *MODEL* VFC

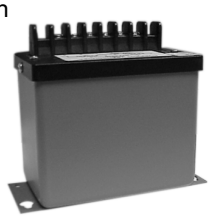
CONVERTS DC INPUT TO TIME-INTEGRATED PULSE

FEATURES

- Provides relay closure count which is proportional to the time integral of the input signal.

APPLICATIONS

- Designed for use with voltage,current, watt, or var transducers with analog outputs compatible with the inputs in chart. Provides Vhr, Amphr., Varhr, and Whr. output pulse.



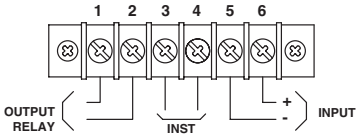
MODEL VFC SPECIFICATIONS

INPUT ..... See Table
Overload ..... 10Vdc max.
Impedance (Ohms)
Voltage input models ..... > 1M
Current input models ..... < 200
Frequency ..... dc with up to 100% ripple @ 120Hz or higher
OUTPUT
ACCURACY ..... + 0.25% F.S.
Relay ..... N/O SPST, 120V, 0.5A contact rating
Relay closure period ..... 200 milliseconds
Linearity ..... +0.1% F.S.
Temperature Range ..... -10°C to +60°C
Temperature Effect ..... +0.5%
Instrument Power (std.) 85-135Vac, 50-400Hz,3.5VA
"-22" Option ..... 230Vac,50/60Hz,+15%

INPUT RANGE	CLOSURE RATE (COUNTS/HR.)	PART NUMBER
0 - 50mV	0 to 10000	VFC-010
0 - 100mV	0 to 10000	VFC-020
0 - 150mV	0 to 10000	VFC-030
0 - 250mV	0 to 10000	VFC-040
0 - 1mA	0 to 10000	VFC-050
0 - 10V	0 to 10000	VFC-060
4 - 20mA	0 to 10000	VFC-070
0 - 5V	0 to 10000	VFC-080

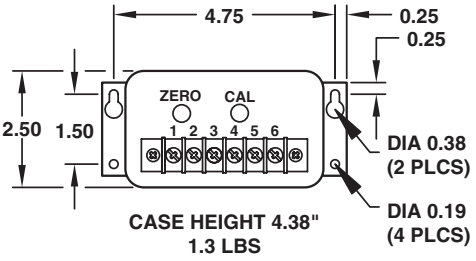
CUSTOM COUNT RATES AVAILABLE-CONSULT FACTORY

CONNECTION DIAGRAM



Internal output relay connection at terminals 1, and 2.
AC instrument power-terminals 3, 4.

CASE DIMENSIONS



All Dimensions in Inches

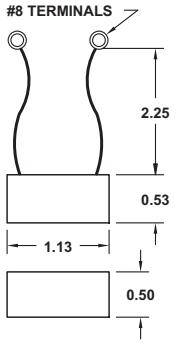
CURRENT-TO-VOLTAGE CONVERTER *MODEL* LRB

CONVERTS 0-1mA TO VOLTAGE OUTPUT

DC OUTPUT REQUIRED	LOAD RESISTANCE (OHMS)	PART NUMBER
0 - 500mV	500	LRB-500
0 - 1V	1000	LRB-1000
0 - 2V	2000	LRB-2000
0 - 5V	5000	LRB-5000
0 - 10V	10000	LRB-10000

NON-STANDARD RESISTANCE VALUES AVAILABLE
200 to 10000 Ohms

CASE DIMENSIONS



All Dimensions in Inches

MODEL LRB SPECIFICATIONS

ACCURACY ..... + 0.1% (500-10000 Ohms models)
+ 0.2% (200-499 Ohms models)
Temperature Range ..... -20°C to +70°C
Temperature Effect ..... +0.005%/°C

SIGNAL CONVERTERS

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