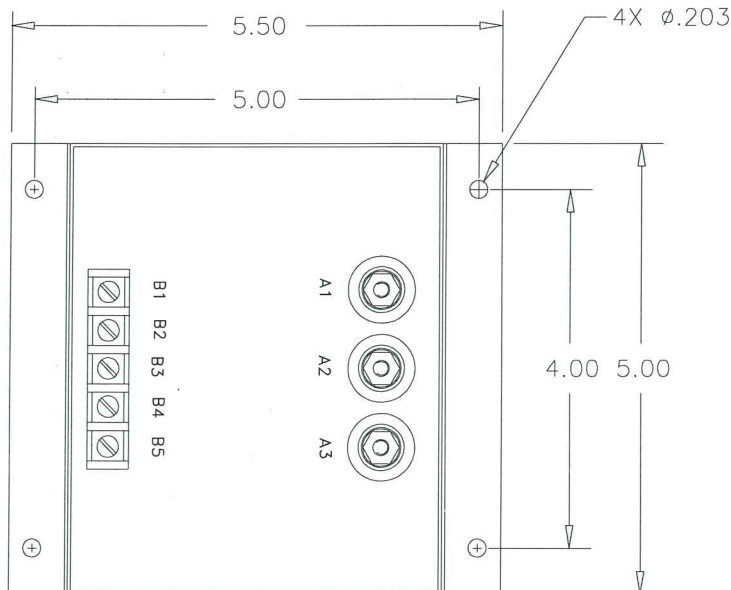
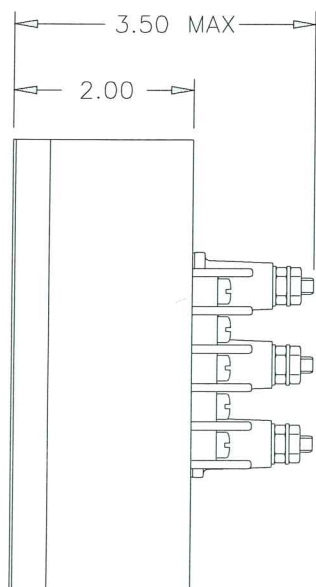


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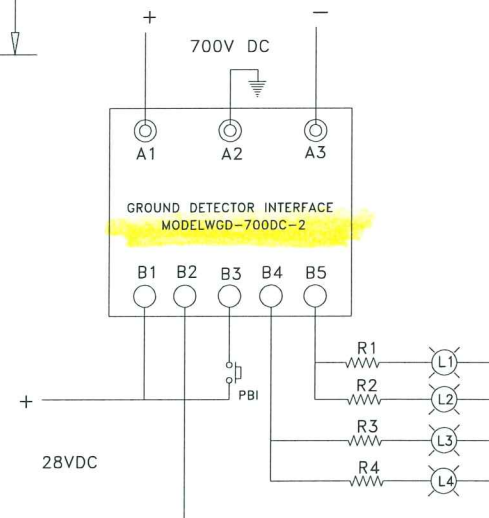


SPECIFICATION

SENSING VOLTAGE (INPUT)	700VDC ±20%
CONTROL VOLTAGE	28VDC ±20%
INPUT/OUTPUT INS. RES.	100 MEGOHMS, MIN.
DILECTRIC, INPUT/OUTPUT TO CASE	1500 VRMS
LOAD RESISTORS	470 OHMS, 2 WATTS
LOAD LAMPS	INCANDESCENT TYPE 342 (6V 40 mA)
INPUT IMPEDANCE	2.25 MEGOHMS
RESPONSE TIME DELAY	.035 SEC. TYPICAL
OPERATING TEMPERATURE	0 TO +75°C
SHOCK	MIL-S-901D
VIBRATION	MIL-STD-167-1

OPERATION: WITH NO LEAKAGE TO GROUND FROM EITHER SIDE OF THE 700VDC BUS, BOTH PAIRS OF LIGHTS WILL ILLUMINATE WITH THE SAME INTENSITY. WHEN A LEAKAGE FROM THE POSITIVE SIDE OCCURS, LAMPS L1, L2 WILL DIM AND L3, L4 WILL INCREASE THEIR LUMINOSITY, WHEN PB IS DEPRESSED. THE LOWER THE RESISTANCE TO GROUND, THE MORE VISIBLE THE EFFECT. THE OPPOSITE WILL HAPPEN WHEN THE LEAKAGE IS FROM THE NEGATIVE SIDE TO GROUND.

CONSTRUCTION: SOLID STATE, EXCEPT A HIGH VOLTAGE VACUUM POWER RELAY FOR THE CONNECTION OF TERMINAL A2 TO GROUND. ENCLOSED IN A SEALED STEEL HOUSING, PLATED PER MIL-T-10727, TYPE I.



L1-L4 - Incandescent bulb. Type 342 (6V, 40mA DC)
R1-R4 - 470Ω, 2W RESISTOR.

CD		CUSTOMER DRAWING	
BILL OF MATERIALS			
Kilovac <small>A division of Citi Technologies*</small>		P.O. Box 4422, Santa Barbara, CA 93140 Phone: (805)684-4560 Fax: (805)684-9679 E-Mail: info@kilovac.com Internet: http://www.kilovac.com	
DWG. TITLE GROUND DETECTOR INTERFACE			
SIZE A	CAGE CODE 18741	DWG. NO. SD-	WGD-700DC-2
SCALE 1:2	DO NOT SCALE DRAWING	SHEET 1	OF 1

THIS DRAWING PREPARED IN ACCORDANCE WITH ASME/ANSI Y14.5M-1982			
MACHINING STANDARDS, UNLESS OTHERWISE SPECIFIED			
FEATURES	SURFACE FINISH: 63 125 ✓	SHARP CORNERS: EXTERNAL R/CH .005 MAX INTERNAL R/CH .010 MAX	THIRD ANGLE PROJECTION
	EXTERNAL INTERNAL		UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE: FRACTIONS .XX = ±.01 DECIMALS .XXX = ±.005 ANGLES ±1°
WORKMANSHIP	UNIFORM, FREE OF CRACKS, BURRS AND OTHER DEFECTS		
IRON/STEEL	LIGHTLY COATED WITH CASTROL VS-4175 CORROSION INHIBITOR OR KILOVAC APPROVED EQUIVALENT		
REV. B	DCO NO. 12970	EDITED BY RMAIN	DATE 2001-01-03