

# RLG-2 AND RLG-4 LOADGARD OPERATING INSTRUCTIONS

## APPENDIX "A": 24 VDC RLG LOADGARD

(Revised 08-31-05)

### RLG-2DC AND RLG-4DC LOADGARD SPECIFICATIONS

<b>Electrical Specifications:</b>	Current Consumption	500mA @ 24VDC
	Number of channels	(2) RLG-2DC, (4) RLG-4DC
	A/D Conversion Method	Successive Approximation - 12 Bit
	Normal Mode Rejection (between + and - input)	50 db @ gain 2000
	Amp Roll-Off Frequency	650 Hz @ gain 3000
	Calibration	Manual Calibration
	Isolation	500 VDC continuous between inputs and chassis ground
<b>Environmental Specifications:</b>	Operating Temperature	0° C to 60° C (32°F to 140°F)
	Hazardous Environment Classification	Class 1, Division 2 Hazardous Environment
<b>Input Specifications:</b>	Type of Input	Strain Gage (350 Ohm, 700 Ohm)
	Input Impedance	1K Ohm
	Low Range Gain, with Cal Resistor 140K Ohm	Maximum Gain 1176 Minimum Gain 54
	High Range Gain, with Cal Resistor 1 Meg Ohm	Maximum Gain 6959 Minimum Gain 347
	Display Resolution	Up to 0.1% of Full Scale
	Overall Unit Accuracy	Within 1% of Full Scale
	A/D Sample Rate	100 Microseconds
<b>Output Specifications:</b>	Alarm Relay	(2) Solid State Relays, (.5A @ 24VDC)