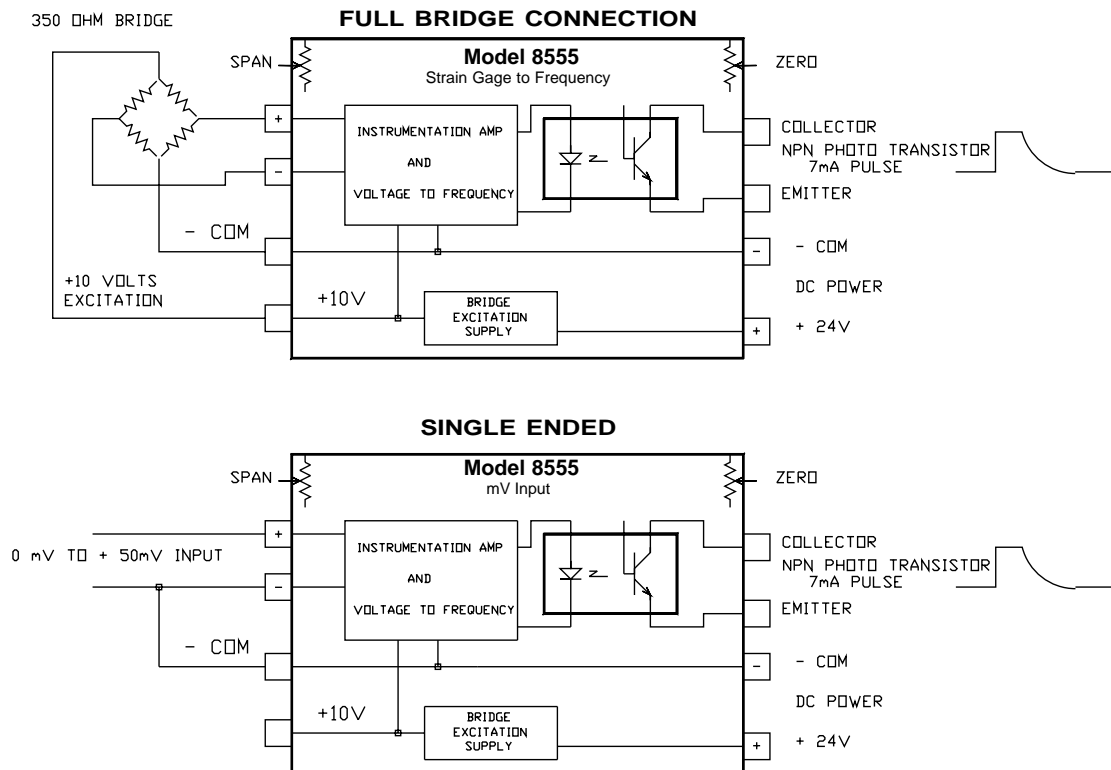


Model 8555

Strain Gage to Frequency

Model 8555 analog to frequency converter offers a cost effective solution for a single or multiple channel PLC I/O system. It is designed to operate into the PLC high speed counter inputs. The input range of 0 to 50mV makes the 8555 compatible with most strain gage based load cell or pressure transducer outputs. The built-in 10V excitation supply is capable of driving one 350 ohm bridge. The 8555 output for all modules is linear to 0.01% with a very high accuracy of better than 0.1%. The output is an isolated floating optocoupler transistor which provides DC isolation from the input and DC power. Connections are made easily accessible with screw clamp terminal blocks.



Model	8555
Input	0 to 50 mV Differential or Single Ended Signal
Resistance	1000 megohm
Current	10 nA
Common Mode	0 to +5 Volts
Output	0 to 5 kHz Floating Optocoupler Transistor 7 mA Pulse - 50 μ Sec Width
Resolution	10 microvolts, 12 Bits
Bridge Excitation	10 Volts for One 350 Ohm Bridge
Power Requirements	24 VDC @ 45 mA
Environment	
Operating	0°C to +55°C
Storage	-40°C to +80°C
Size	1.65"H x 1.06"W x 3.78"L (42 x 27 x 96 mm)
Weight	3 oz. (85 grams)
Agency Approvals	UL 508, UL 1604