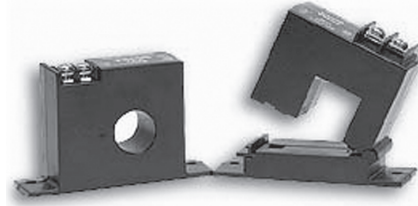


CU-800 Series CURRENT TRANSDUCERS 2-Wire, Loop Powered 4-20 ma Analog Output

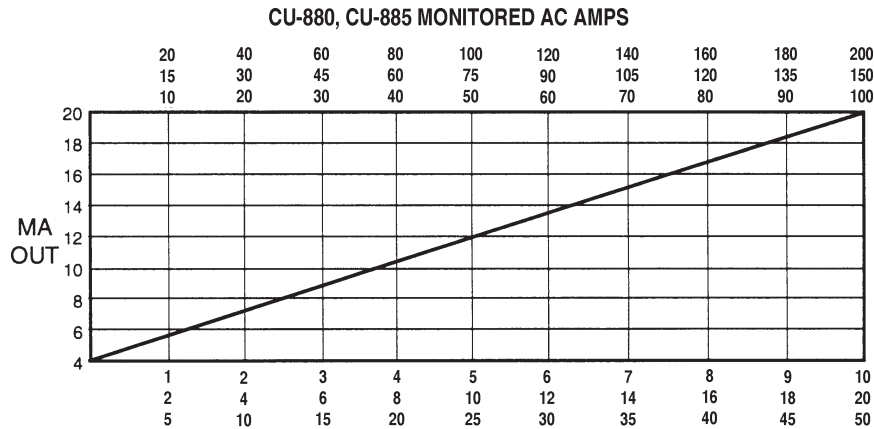
Monitor currents up to 200 amps and provide an accurate 4 to 20 ma analog output which is proportional to the monitored current. Typical applications include monitoring variable speed drives; detecting belt, bearing or coupling failures on motors; and, fan/pump status and performance.

- Loop power design eliminates need for external power.
- Split core models easily install over existing conductors.
- Each model has 3 jumper selectable monitoring ranges, eliminating the need for field calibration.

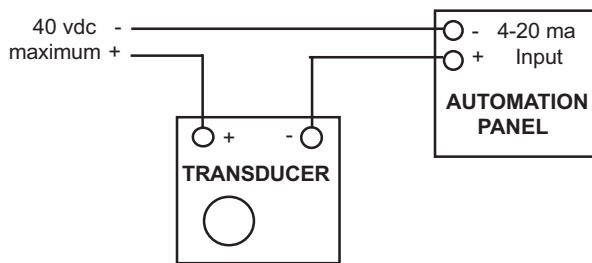


APPROVALS: UL listed; CSA.
SUPPLY VOLTAGE: 12 to 40 vdc.
OUTPUT: 4 to 20 ma.
OUTPUT LOAD: 950 ohms @ 24 vdc; or for other supply voltages (SV), $R_{MAX} = (SV - 5) \div 0.020$.
ACCURACY: +/-0.5% of full scale.
RESPONSE TIME: 300 milliseconds to 99% of final value.
FREQUENCY: Flat from 20 Hz to 100 Hz.
INTERNAL PROTECTION: Reverse voltage protection; high overcurrent capability.

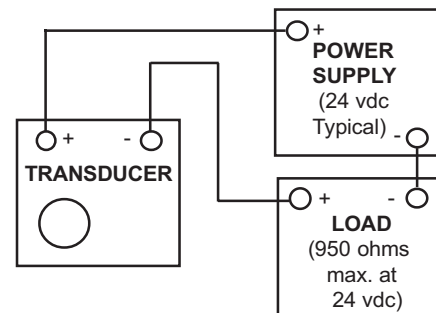
OPERATING TEMPERATURE: -4° to 122°F (-20° to 50°C).
MATERIAL: ABS (meets UL 94V-O flammability rating).
DIMENSIONS (nominal):
 Solid Core Models: 2.2"H x 2.4"W x 0.9"D (5.6x6x2.3 cm).
 Split Core Models: 2.5"H x 2.6"W x 1.2"D (6.4x6.6x3 cm).
THROUGH-HOLE:
 Solid Core: 0.75" (1.9cm) diameter, 250 MCM max cable.
 Split Core: 0.85" (2.2cm) square, 350 MCM max cable.
MOUNTING BASE: 3.5"L (8.9cm), 3" (7.6cm) hole centers.



CU-870, CU-875 MONITORED AC AMPS



**TYPICAL WIRING
WITH EXTERNAL POWER SUPPLY**



**TYPICAL WIRING
2-WIRE, LOOP POWERED**

Model	Core Type	Jumper Position	Monitored Range	Maximum Current			Neilsen-Kuljian Equivalent
				Continuous	For 6 Sec	For 1 Sec	
CU-870	Solid	None	0-10 amps	80 amps	125 amps	250 amps	200-1
CU-875		Mid	0-20 amps	110 amps	150 amps	300 amps	SC200-1
		High	0-50 amps	175 amps	215 amps	400 amps	
CU-880	Solid	None	0-100 amps	200 amps	300 amps	600 amps	200-2
CU-885		Mid	0-150 amps	300 amps	450 amps	800 amps	SC200-2
		High	0-200 amps	400 amps	500 amps	1000 amps	