Loop-Powered AC Voltage Transmitter

DIN RAIL / PANEL MOUNT, AVERAGE RMS

The **CR4600** Series, Loop-Powered AC Voltage Transmitters are designed to provide a 4 - 20 mADC output that is proportional to the average RMS AC voltage input. These devices are best suited for general applications, such as fixed frequency voltage supplies.

Single Element Transmitter
50 to 500 VAC Input Range

Two Element Transmitter
50 to 500 VAC Input Range

Applications
Monitor for over/under voltage
Sense phase loss
Power monitoring
Multi-point instrumentation needs

Features
35mm DIN Rail or Panel Mount
Outputs isolated from inputs
One or two element
Connection diagram printed on case

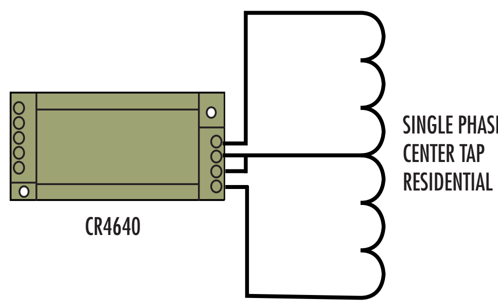
Regulatory Agencies
Recognized to meet UL 61010B-1
Constructed to meet CAN/CSA-C22.2, No. 61010-1-2004
Meets requirement of IEC 61010-1 and BS EN 61010-1

E199795

C

Transducers

CR Magnetics has a wide selection of Potential Transformers to extend the range of any part. Contact factory for more information.



**TYPICAL APPICATION
RESIDENTIAL POWER**

PART NUMBERS			
CR4620	-		Single element with 4 - 20 mADC output
CR4640	-		Two element with 4 - 20 mADC output

Add suffix for input range

50 - 0-50 VAC
150 - 0-150 VAC
250 - 0-250 VAC
500 - 0-500 VAC *

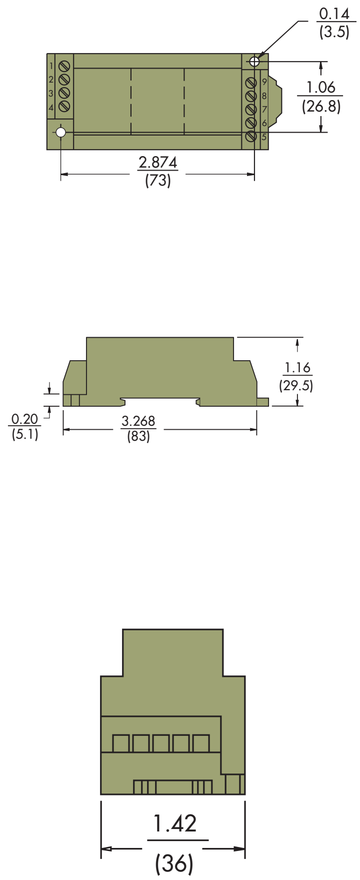
Ranges available up to and including 600 VAC

*** UL Recognized up to 300 Vac**

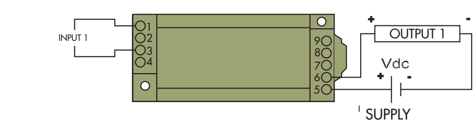
DIN RAIL / PANEL MOUNT, AVERAGE RMS

SPECIFICATIONS

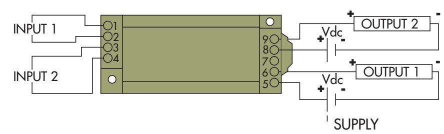
Basic Accuracy:	0.5%	Cleaning:	Water-dampened cloth
Calibration:	Average Sensing, RMS Calibrated	MTBF:	Greater than 100 K hours
Thermal Drift:	500 PPM/°C	Frequency Range:	20 Hz - 400 Hz
Operating Temperature:	0°C to + 60°C	Typical Load:	0 - 300 Ω @ 24 VDC
Installation Category:	CAT II	Relative Humidity:	80% for temperatures up to 31°C and decreasing linearly to 50% at 40°C
Vibration Tested To:	IEC 60068-2-6,1995		
Pollution Degree:	2		
Response Time:	250 ms	Torque Specs.:	3.0 inch lbs. (0.4Nm)
Altitude:	2000 meter max.	Weight:	0.5 lbs.
Insulation Voltage:	2500 VDC		
Supply Voltage:	Loop Powered 24 Vdc ±10%		



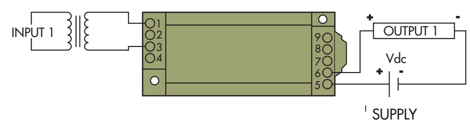
OUTLINE DRAWING



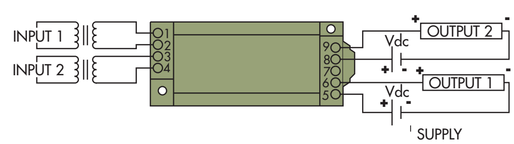
CR4620 One Element4 - 20 mADC Output



CR4640 Two Element 4 - 20 mADC Output



CR4620 One Element with External Voltage Transformers * *



CR4640 Two Element with External Voltage Transformers * *

CONNECTION DIAGRAM

* * USE CR MAGNETICS LOW AND MEDIUM VOLTAGE POTENTIAL TRANSFORMERS (SECTION G)

NOTE: The building installation must have a switch or circuit-breaker that is in close proximity and within easy reach of the operator. The switch or circuit breaker shall be marked as the disconnecting device for the equipment.

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СИСТЕМС

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ООО «НИОКР СИТЕМС»
Москва, 125362, Россия, ул. Вишневая, д. 9, к. 1, Блок 104 а и 104 в
Телефон: 8 (495) 268-14-82
Email: n@nsistems.ru
ИНН: 7735154786
ОГРН: 1167746717709