PEUFINIP VACT Series AC Voltage Transducers



VACT series AC voltage transducers are high-performance True RMS transducers for sensing voltage in single-phase installations. Applicable on circuits of 120V, 208V, 240V, 277V, and 480V, the VACT series models provide a fully isolated, 4-20 mA output proportional to rated voltage in both sinusoidal and non-sinusoidal (variable frequency) situations. Housed in a slim, compact, easy-to-install DIN rail mounted enclosure, the VACT series comes in a variety of voltage ranges and use four wire terminal block connections.

Applications

True RMS Voltage Monitoring

- Detect below normal or "brown out" voltage conditions; protect against possible motor overheating.
- · Identify phase loss conditions by detecting voltage reduction in one or more phase of three-phase motor.
- Monitor over voltage conditions associated with regenerative voltage to help in diagnosing/avoiding motor drive
- Detect voltage conditions which may cause stress in or damage to soft starter components (SCRs).

Features

- True RMS Output: Allows for use in situations where power supplied is non-sinusoidal, poor power quality installations or other electrically harsh/ challenging environments.
- · Standard 4-20 mA Loop Powered **Output:** Industry standard output makes use with existing controllers, data loggers and SCADA equipment easy and reliable.
- Input/Output Isolation: Input and output circuitry electrically isolated for improved safety of use.
- Compact DIN rail Mount Enclosure: Space saving 35mm wide enclosure makes installation quick and easy.
- Five-year warranty







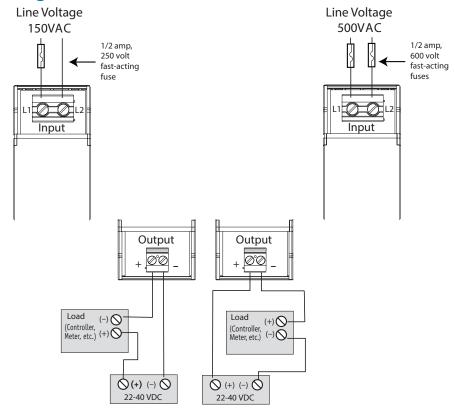
VACT Series AC Voltage Transducers					
Part Number	Description	Pcs/Pkg	Wt (lb)	Price	
<u>VACT150-42L</u>	AcuAMP AC voltage transducer, 0-150 VAC sensing range, True RMS, 4-20mA output.	1	0.25	\$190.00	
<u>VACT500-42L</u>	AcuAMP AC voltage transducer, 0-500 VAC sensing range, True RMS, 4-20mA output.	1	0.25	\$190.00	

VACT Series Specifications			
Power Supply	24VDC (22VDC-40VDC), Use Class 2 power supply only		
Voltage Measurement	150V (for monitoring 120VAC) and 500V (for monitoring 208, 240, 277, 480 VAC), not to exceed 600VAC RMS		
Input Impedance	150V: 73ΚΩ, 500V: 300ΚΩ		
Output	4-20 mA proportional;loop powered (sinking), capped at 24mA max		
Response Time	250ms (to 90% value)		
Accuracy	<1%		
Linearity	<0.5%		
Output Impedance	500Ω maximum		
Isolation Voltage	2500 Volts per UL		
Frequency Range	40-100 Hz		
Case	UL94V-0 Flammability Rating		
	Operating temperature: -4 to122°F (-20 to 50°C)		
Farring	Relative humidity: 0-95% RH, Non-condensing		
Environmental	Pollution Degree 2		
	Altitude to 2000 meters		
Certifications	cULus listed (E222847), CE		

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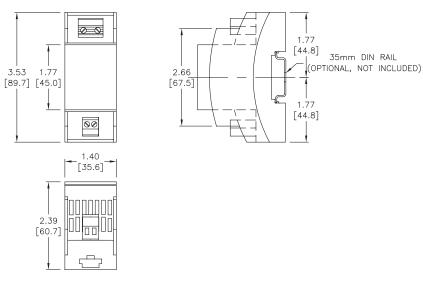
TELEMENT VACT Series AC Voltage Transducers

Wiring



Dimensions

Inches [mm]



VACT Series

See our website <u>www.AutomationDirect.com</u> for complete Engineering drawings.