# DIN RAIL / PANEL MOUNT

The **CR6600** Series, Frequency Transducers and Transmitters are designed to give a DC output that is proportional to an input frequency value. These devices are especially suited to variable frequency systems.

# CR6610 CR6620 CR6611 CR6621 CR6612 CR6622

100 - 5000 Hz Input Range

# **Applications**

Outputs isolated from inputs
Ranges available for any application
Sine, square and zero crossover waveforms
35 DIN rail or panel mount
Connection diagram printed on case

### **Features**

35mm DIN Rail or Panel Mount Available with 0 - 5 VDC, 0 - 10, or 4 - 20 mADC output 24 VDC powered Use with external current transformers Highest precision available

Connection diagram printed on case

## **Regulatory Agencies**

Constructed 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



Custom calibrations of unique full scale and zero scale values including parametric measurements are available. Contact factory for details.

# SINE WAVE SENSING SQUARE WAVE SENSING SQUARE WAVE SENSING Total = AVG (fa) ZERO CROSS SENSING

Add suffix for input range

PART NUMBERS				
CR6610	•		Sine wave sensing with 0 - 5 VDC Output	
CR6611	-		Square wave sensing with 0 - 5 VDC Output	
CR6612	-		Zero crossover sensing with 0 - 5 VDC Output	
CR6620	-		Sine wave sensing with 4 - 20 mADC Output	
CR6621	-		Square wave sensing with 4 - 20 mADC Output	
CR6622	•		Zero crossover sensing with 4 - 20 mADC Output	

100 - 0-100 Hz 500 - 0-500 Hz 5000 - 0-5000 Hz other ranges available

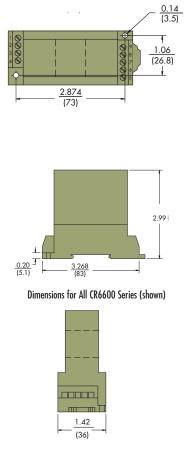


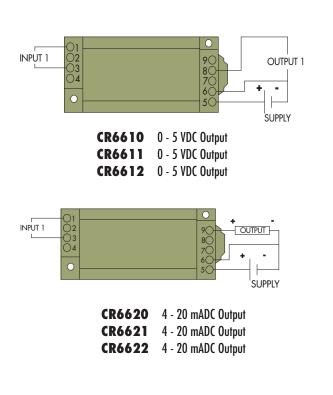
3500 Scarlet Oak Blvd. St. Louis MO USA 63122 V: 636-343-8518 F: 636-343-5119

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## **SPECIFICATIONS**

Basic Accuracy: 0.5%	Output Load: 4-20 mADC -0 to 300 $\Omega$
Linearity: 10% to 100% FS	0-5 VDC - 2K $\Omega$ or Greater
Thermal Drift: 500 PPM/°C	Cleaning: Water-dampened cloth
Operating Temperature: 0°C to +60°C	Relative Humidity: 80% for temperatures up to
Installation Category: CAT II	31°C and decreasing linearly
Vibration Tested To: IEC 60068-2-6,1995	to 50% at 40°C
Pollution Degree:2	Input Voltage: 20 to 250 V Peak,
Response Time: 250 ms max. 0-90% FS	(other voltage ranges available)
Supply Voltage: 12 to 24 VDC	Supply Current:
MTBF:Greater than 100 K hours	CR6610: Typical 30mA Max 40mA
Frequency Range:50 Hz - 400 Hz, sine wave	CR6620: Typical 50mA Max 95mA
Insulation Voltage:	Torque Specs.: 3.0 inch lbs. (0.4Nm)
Altitude:	Weight: 0.5 lbs.





## **OUTLINE DRAWING**

# **CONNECTION DIAGRAM**

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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