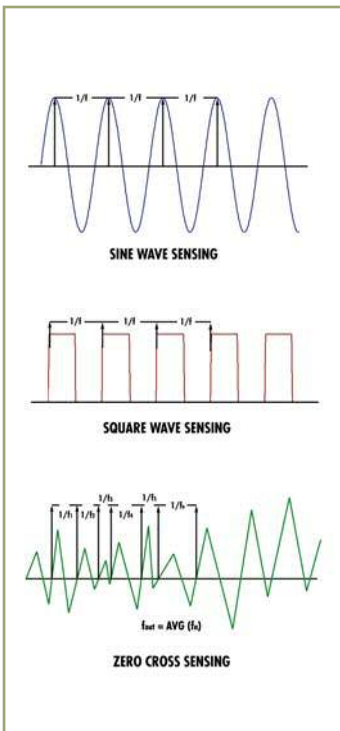


## DIN RAIL / PANEL MOUNT



100 - 5000 Hz Input Range



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.

### 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.

☐ 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

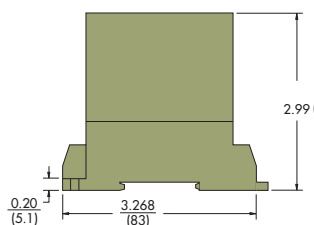
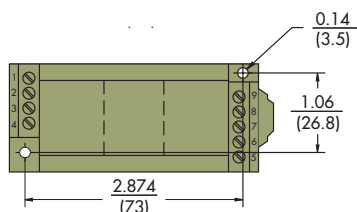
# Frequency Transducer

## DIN RAIL / PANEL MOUNT

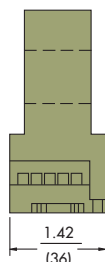
### SPECIFICATIONS

|                             |                           |                         |                                                                        |
|-----------------------------|---------------------------|-------------------------|------------------------------------------------------------------------|
| 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 31°C and decreasing linearly to 50% at 40°C |
| Installation Category:..... | CAT II                    | Input Voltage:.....     | 20 to 250 V Peak, (other voltage ranges available)                     |
| Vibration Tested To:.....   | IEC 60068-2-6,1995        | Supply Current:         |                                                                        |
| Pollution Degree:.....      | 2                         | CR6610:.....            | Typical 30mA Max 40mA                                                  |
| Response Time: .....        | 250 ms max. 0-90% FS      | CR6620:.....            | Typical 50mA Max 95mA                                                  |
| Supply Voltage:.....        | 12 to 24 VDC              | Torque Specs.:.....     | 3.0 inch lbs. (0.4Nm)                                                  |
| MTBF:.....                  | Greater than 100 K hours  | Weight:.....            | 0.5 lbs.                                                               |
| Frequency Range:.....       | 50 Hz - 400 Hz, sine wave |                         |                                                                        |
| Insulation Voltage:.....    | 2500 VDC                  |                         |                                                                        |
| Altitude:.....              | 2000 meter max.           |                         |                                                                        |

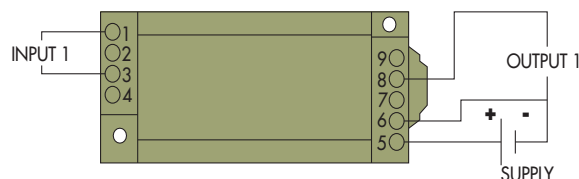
Transducers



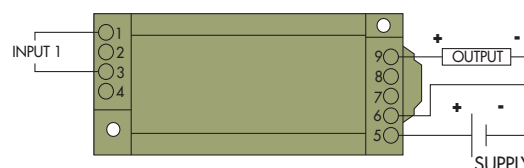
Dimensions for All CR6600 Series (shown)



### OUTLINE DRAWING



**CR6610** 0 - 5 VDC Output  
**CR6611** 0 - 5 VDC Output  
**CR6612** 0 - 5 VDC Output



**CR6620** 4 - 20 mADC Output  
**CR6621** 4 - 20 mADC Output  
**CR6622** 4 - 20 mADC Output

### 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.