

OSI DIFFERENTIAL FREQUENCY TRANSDUCER MODEL DFD-

FEATURES

- Frequency measurement of sinusoidal and distorted waveforms
- Compact DIN rail package. CE and CSA approvals.

APPLICATIONS

- Where frequencies of two different power systems need to be compared.
- SCADA, generation and co-generation.

INPUT FREQUENCY (Hz)		STANDARD OUTPUTS MODEL DFD-				
F _S	F _G	0-1mA _{dc}	0-10V _{dc}	0-5V _{dc}	4-20mA	0-20mA
50	45 - 55	050B	050D	050X5	050E	050EA
60	55 - 65	060B	060D	060X5	060E	060EA
400	375 - 425	400B	400D	400X5	400E	400EA



All standard models require instrument power.
ADDITIONAL FREQUENCY AND VOLTAGE RANGES AVAILABLE - CONSULT FACTORY
DIN RAIL LENGTHS AVAILABLE - CONSULT FACTORY



ORDERING INFORMATION

Example: Power System Frequency 60Hz,
 Generator Frequency 55-65Hz,
 with 0-5V_{dc} Output
DFD - 060X5

SPECIFICATIONS

INPUT

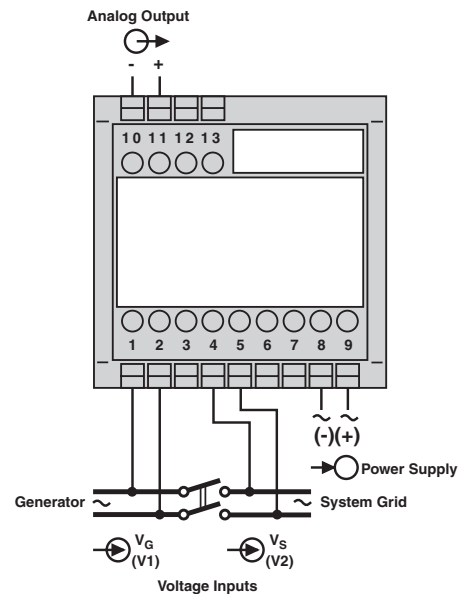
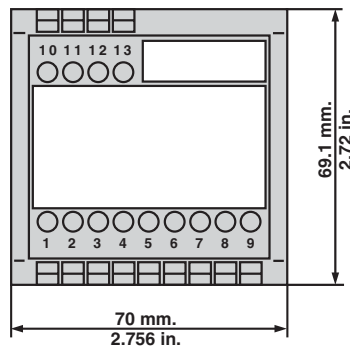
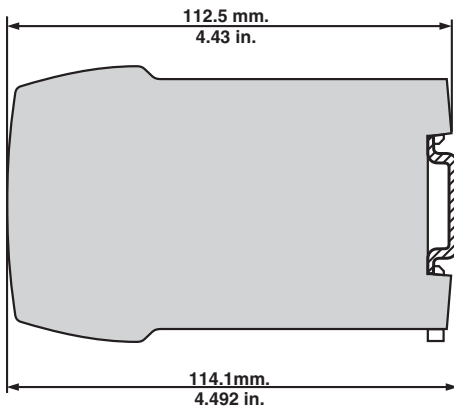
Frequency Range See Table
 Voltage Range 10-230Vac
 Burden <1.0VA
 Overload 120% F.S. voltage continuous
 200% F.S. voltage for 1 sec.
 Dielectric Test Input to Inst. Pwr./Output/Case ... 3700Vac
 Inst. Pwr. to Output/Case 3700Vac
 Output to Case 490Vac
 Instrument Power 85-230Vac/dc, 40-400Hz, 4.0VA
 Weight 0.75 Lbs.

OUTPUT

ACCURACY

50Hz., 60Hz. Models ± 0.02 Hz.
400Hz. Model ±0.1Hz.
 Output Loading (Ohms)
 0-1mA 0-15K
 0-10V_{dc}, 0-5V_{dc} 2.5K min.
 4-20mA, 0-20mA 0-750
 Output Ripple <0.5% p.p.
 Response Time 4 Periods of Input Frequency
 Temperature Range -10°C to +55°C
 Termination #10 AWG max.

CONNECTION DIAGRAMS AND CASE DIMENSIONS



Mounted on 35mm top-hat DIN rail.

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