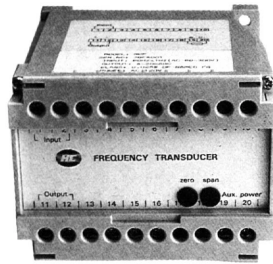
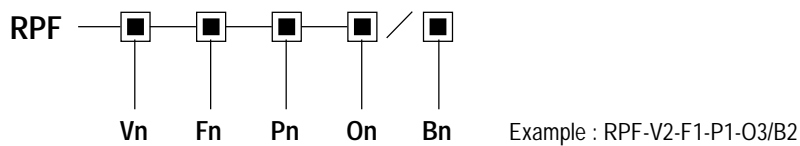


POWER FREQUENCY TRANSDUCER



Compliance : IEC 688
Power transducers
 Measuring & conversion
 Dielectric Strength
 Impulse test
 Surge test

Order form



Input & output parameters

Vn : Sensing voltage	Vn range	V1	V2		On : Output		
		60~300V	300~500V		O1	O2	O3
Fn : Frequency input	Fn rating	F1	F2		0~1 mA	0~20 mA	4~20 mA
		50 Hz	60 Hz		O5	O6	
Bn : Calibration band	Bn range	B1	B2	B3	O7	O8	O9
		± 0.5 Hz	± 1 Hz	± 2 Hz	0~5 V	0~10 V	2~10 V
		B4	B5		O10		
		± 5 Hz	± 10 Hz		1~5 V		
Pn : Auxiliary power input	Pn rating	P1	P2	Py	AC 415V / Internal powered / DC powered order on request		
		120 V	240 V				

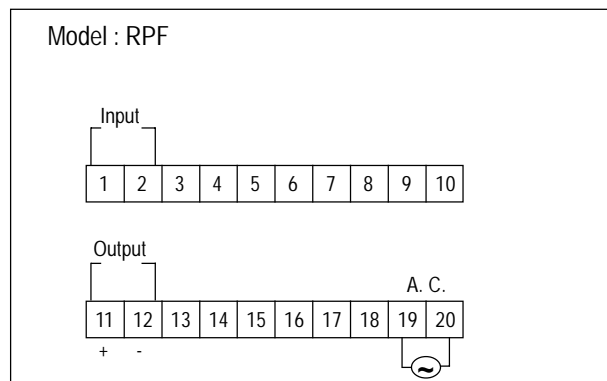
Note :

1. For internal powered type ... zero based outputs and Vn operation range 85%~115%

Specification

Accuracy (23± 5°C)	0.025% of named frequency
Stability	Maximum 100ppm/°C, less 0.2% drift per year typically
Input burden	Voltage 0.2VA typically
Frequency	50 / 60 ± band
Maximum input over Output load	Voltage related input : maximum 2 x rated continuous (50-300V), maximum 1.5 x rated continuous (100-500V) DC current mode : maximum 10V drop DC voltage mode : maximum 5mA drive
Response & ripple	< 400ms for step change 0-95%, ripple less 0.5% ro peak-peak
Magnetic effect	< 0.05% change 1M center 100 amper-turn, synchronized with line frequency
Aux. power effect	< 0.002% for per voltage change
Dielectric strength	4KV AC rms 1 minute between terminals to case IEC 688 2KV AC rms 1 minute between input / output / power IEC 688
Impulse / SWC	IEC 255-4, 5KV 1.2x50us, IEC255-22-1, 2.5KV (1MHz / 400Hz)
Operating condition	-5 to 60°C, 20 to 99% RH non condensing
Storage condition	-20 to 70°C, 20 to 99% RH non condensing
Radio screening	RFI degree N complies with VDE 0875
Enclosure code	Case IP 50 / terminals IP 30, complies with IEC 529, BS 5490 DIN 40050
Power supply	AC 120V / 240V / 415V ± 15%, 50 / 60Hz, < 3.5VA

Terminals Connection



Note :

1. A.C. : Auxiliary AC power
2. Terminal 19 (+), 20 (-) for DC power option