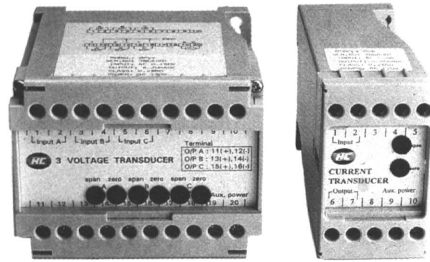
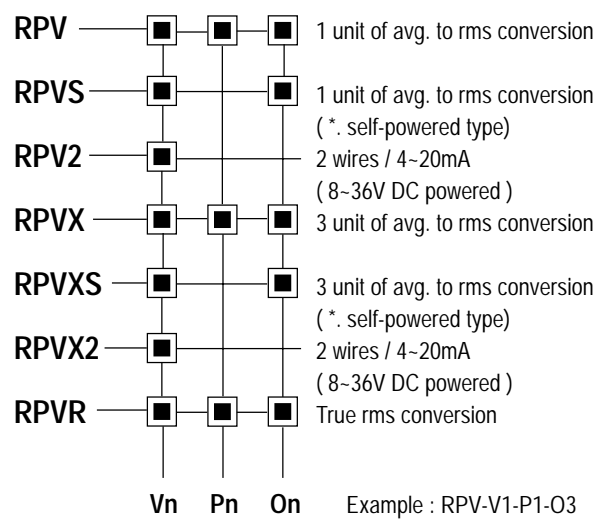
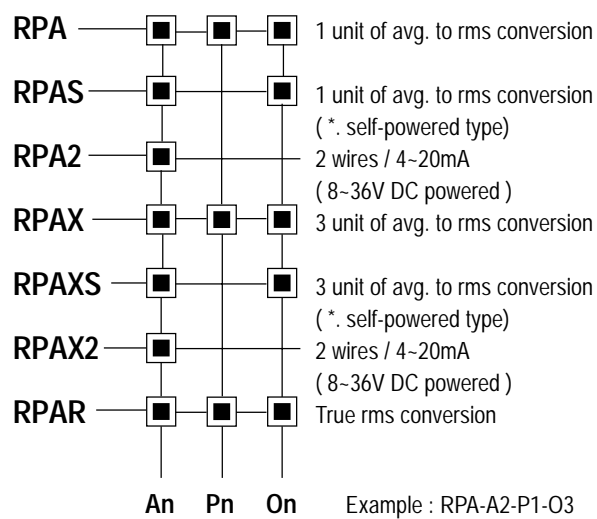


AC CURRENT & VOLTAGE TRANSDUCER



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

Order form



Input & output parameters

Vn : Voltage input	Vn rating range	V1	V2	V3	On : Output		
		150 V 0~150 V	300 V 0~300 V	500 V 0~500 V	O1 0~1 mA	O2 0~20 mA	O3 4~20 mA
An : Current input	An rating range	A1	A2			O5 0~10 mA	O6 0~1 V
		1 A 0~1 A	5 A 0~5 A		O7 0~5 V	O8 0~10 V	O9 2~10 V
Pn : Auxiliary power input	Pn rating	P1	P2		O10 1~5 V		
		120 V	240 V		Py AC 415V / DC powered order on request		

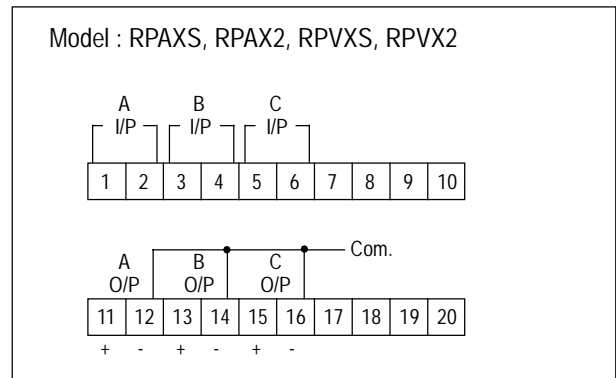
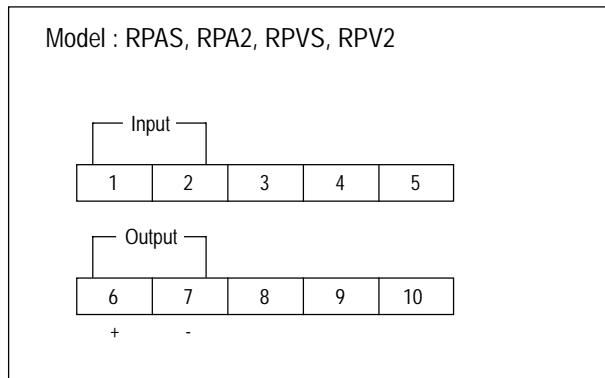
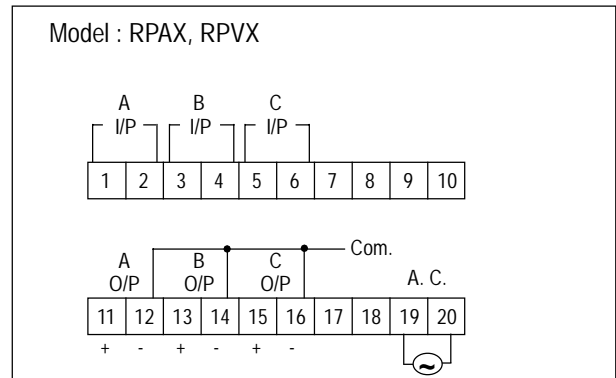
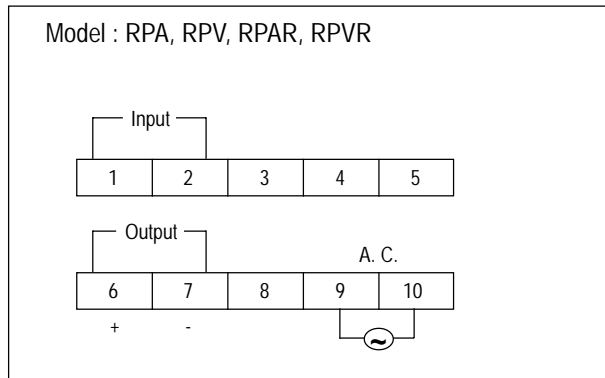
Note :

1. For self-powered type ... zero based outputs only
2. RPAR & RPVR TRMS conversion with ability for a distortion wave form measment

Specification

Accuracy (23± 5°C)	0.2% ro (avg.), 0.4% ro (Trms)
Stability	Maximum 100ppm/°C, less 0.2% drift per year typically
Input burden	0.3VA / element typically, self-powered type 1VA / element typically
Frequency	50± 2Hz, 60± 2Hz
Maximum input over	Current related input : 2 x rated continuous, 10 x rated 10 sec, 25 x rated 2 sec, 50 x rated 1 sec Voltage related input : maximum 2 x rated continuous (150V/300V) self powered mode 1.5 rated continuous (500V)
Output load	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	< 0.005% 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 ± 15%, 2 wires (8-36V DC powered), 50 / 60Hz < 3VA for RPA, RPV, RPAR, RPVR; 8VA for RPAX, RPVX

Terminals Connection



Note :

1. A.C. : Auxiliary AC power
2. Terminal 9 (+), 10 (-) for DC power option of 1 unit
3. Terminal 19 (+), 20 (-) for DC power option of 3 unit