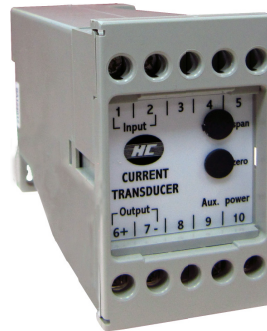
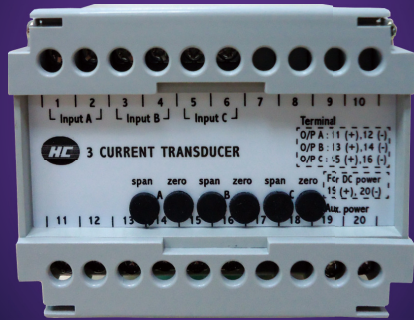


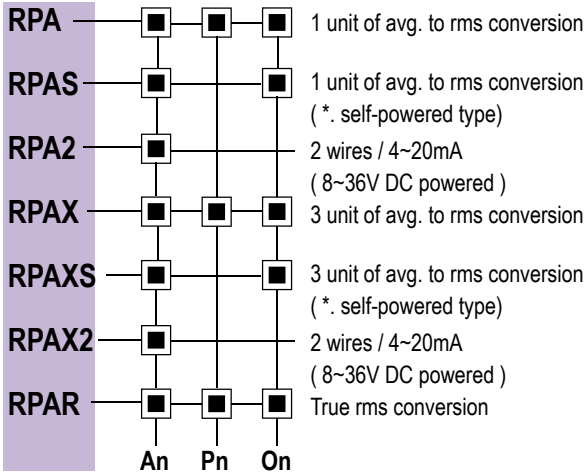
Compliance : IEC 688
 Power transducers
 Measuring & conversion
 Dielectric Strength
 Impulse test
 Surge test

AC CURRENT & VOLTAGE TRANSDUCER

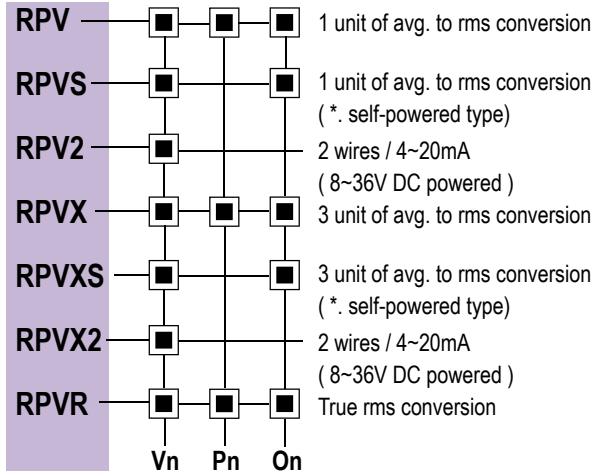


Model :	RPA	RPV
	RPAS	RPVS
	RPA2	RPV2
	RPAX	RPVX
	RPAXS	RPVXS
	RPAX2	RPVX2
	RPAR	RPVR

Order form



Example : RPA-A2-P1-O3



Example : RPV-V1-P1-O3

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 1 A 0~1 A	A2 5 A 0~5 A			O5 0~10 mA	O6 0~1 V
					O7 0~5 V	O8 0~10 V	O9 2~10 V
Pn : Auxiliary power input	Pn rating	P1 120 V	P2 240 V		O10 1~5 V		
		Py DC powered order on request					

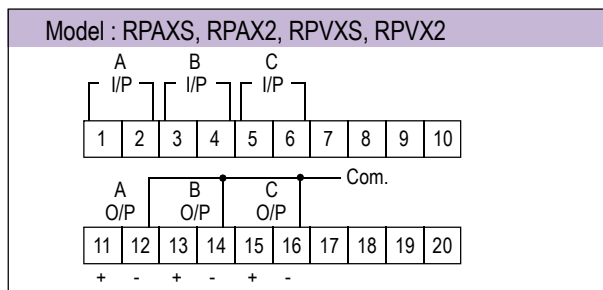
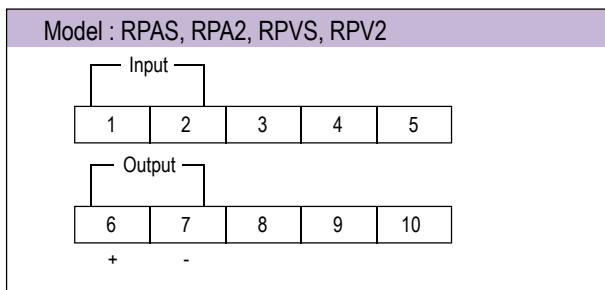
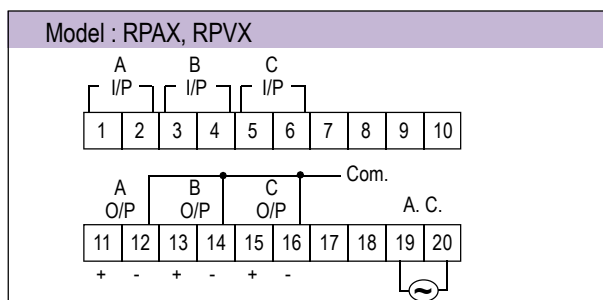
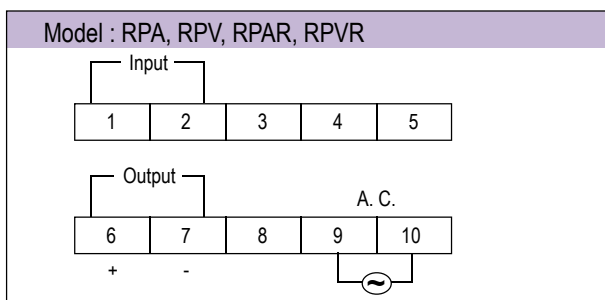
Note :

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 (self power type maximum 1mA drive)
Response & ripple	< 400ms for step change 0-95%, ripple less 0.5% ro peak-peak
Magnetic effect	< 0.05% change 1M center 100 ampere-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 < 3W for RPA, RPV, RPAR, RPVR; 8W 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

Dimension

Model:RPAX, RPAXS, RPAX2, RPVX, RPVXS, RPVX2

Model:RPA, RPAR, RPAS, RPA2,RPV, RPVR,RPVS,RPV2

