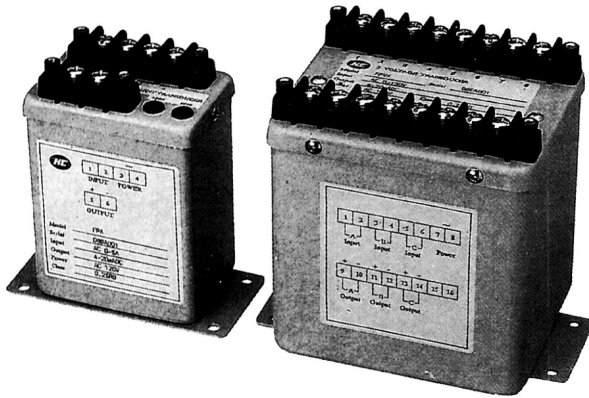


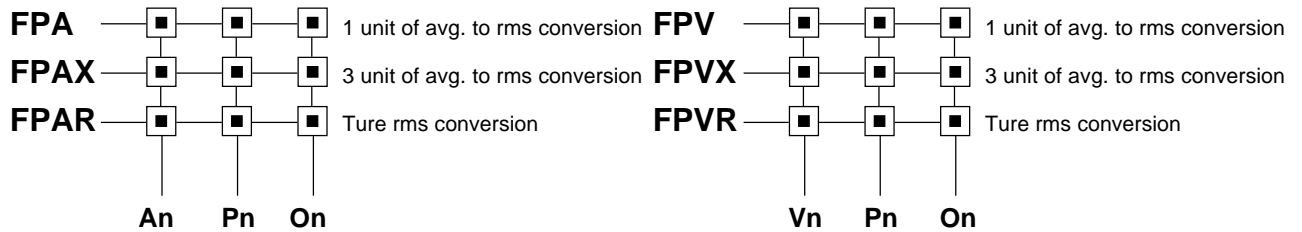
AC VOLTAGE & CURRENT TRANSDUCERS



Applied Standards & Rules

Measuring and conversion	IEC 688 / 1992 - 04
Dielectrical strength	IEC 688 2KVac / 1 min.
Surge and Impulse test	ANSI C37.90 / 1989
	IEC 255-3 (1989) 4KV 1.2 x 50 us

Order form



Input & Output parameters

Vn : Voltage input	Vn rating range	V1 150 V 0 - 150 V	V2 300 V 0 - 300 V	V3 600 V 0 - 600 V	Vy Specified	On : Output		
		A1 1 A 0 - 1.5 A	A2 5A 0 - 7.5 A	A3 10A 0 - 15 A		Ay Specified	O1 0 - 1 mA	O2 0 - 20 mA
An : Current input	An rating range	P1 AC120 V 120 V ± 15%	P2 AC240 V 240 V ± 15%	Ps Internal Power	Py Specified	O4 0 - 1 V	O5 0 - 5 V	O6 0 - 10 V
						O7 2 - 10 V	Oy Specified	

Py : DC24 / 48 / 125 V ± 20% or other range under specified

Note

- External power mode suitably for all output types
Internal power mode, only suitably for 0-1mA / 0-20mA / 0-1V / 0-5V / 0-10V output

Specification

Accuracy (23±3°C)	0.2% RO FPA, FPAX, FPV, FPVX	
	0.4% RO FPAR, FPVR	
Maximum output load	DC current mode : maximum 10V drop	
	DC voltage mode : maximum 5mA drive	
Dielectric strength	AC 2KV 1 minute between terminals; AC 2.6KV 1 minute / terminals to case	
Surge and impulse test	ANSI C37.90 / 1989, IEC 255-3 (1989) 4 KV 1.2 x 50 us	
Maximum input over	Current related input	Voltage related input
	1A / 5A	10A
	4 x rated / continuous	2 x rated / continuous
	10 x rated / 10 seconds	25 x rated / 1 second
	50 x rated / 1 second	50 x rated / 0.5 second
	80 x rated / 0.5 second	1.5 x rated / continuous
		2 x rated / 10 seconds
Input burden	Current less 0.2 VA; voltage less 0.1 VA	
Response time & ripple	≤400 ms for step change 0-99% ripple less 0.5% ro peak to peak	
Frequency	45 ~ 400 Hz	
Stability	Temperature range (20 to 30°C) long term stability / year	
	Maximum 60 ppm / °C less 0.2% draft / year typically	
Storage condition	Temperature range -25 to 70°C, RH 20 to 95% non condensed	
Operating condition	Temperature range -20 to 65°C, RH 0 to 99% non condensed	
Magnetic field effect	< 0.01% under 100 ampere turns at 1M center	
Power dissipation	Maximum 3.5 VA for FPA / FPAR / FPV / FPVR; 8 VA for FPAX / FPVX	

Terminal Connection

