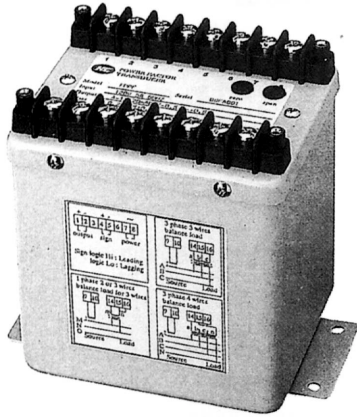


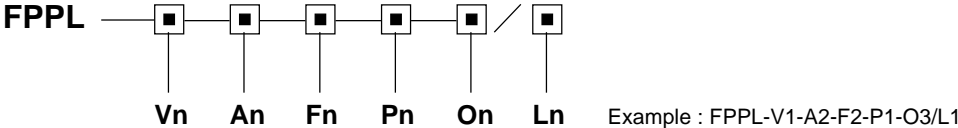
PHASE ANGLE TRANSDUCER



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	V2	V3	Vy Specified	On : Output		
		120 V	240 V	480 V		O1	O2	O3
An : Current input	An rating range	A1	A2	A3	Ay Specified	O4	O5	O6
		1 A	5A	10A		0 - 1 V	0 - 5 V	0 - 10 V
Fn : Frequency input	Fn rating range	F1	F2		Fy Specified	O7	Oy	
		50 Hz	60 Hz			2 - 10 V	Specified	
Ln : Phase angle	Ln rating	L1	L2	L3	L4	L5		
		±30°	±60°	±90°	±180°	0 - 360°		
Pn : Auxiliary power	Pn rating range	P1	P2	P3 Internal power (120V or 240V)				
		AC 120 V	AC 240 V					
		120 V ± 15%	240 V ± 15%					

Specification

Accuracy (23±3°C)	0.25% RO + 0.3°	
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	Named frequency ± 2 Hz	
Waveform	Sinusoidal	
Stability	Temperature range (20 to 26°C)	long term stability / year
	Maximum 70 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	< 3.5 VA	

Terminal Connection

