

WATT WATTHOUR & VAR VARHOUR TRANSDUCER



FEATURES

- Measuring & Conversion
 - Dielectric Strength
 - Impulse test
 - Surge test (ring wave)
- DIN-IEC 688
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2 KVac 50/60Hz/1 minute
ANSI C37.90a/1974,
IEEE 587/1983,
IEC 255-4, 5KV(1.2x50µs)
IEC 255-4
(2.5KV-0.25ms/1 MHz)

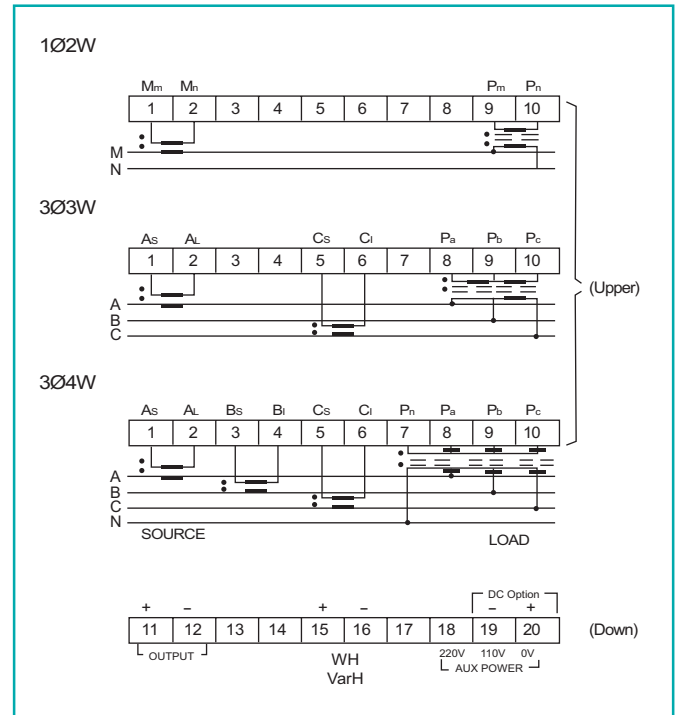
1. MODEL: PF-P

NO	Type	NO	Input Unit	NO	Voltage Rating (range)	NO	Current Rating (range)	NO	Frequency	NO	Output Voltage	NO	Output Current	NO	Output Pulse	NO	Aux. Power
WWH	WATT	1	1Ø2W	1	0-120V (85-150V)	1	0-1 A (0-1.2A)	A	50 Hz	11	DC 0-1 V	21	0-1mA	1	1wh or varh/count	1	AC 110/220V(50/60Hz)
VVH	VAR	3	3Ø3W	2	0-240V (180-300V)	2	0-5 A (0-6A)	B	60 Hz	12	DC 0-5 V	22	0-10mA	2	10wh or varh/count	2	DC 24V
		4	3Ø4W	3	0-400V (320-480V)	9	SPECIFIED	C	400 Hz	13	DC 1-5V	23	0-20mA	3	100wh or varh/count	3	DC 48V
		9	SPECIFIED	9	SPECIFIED			0	SPECIFIED	14	DC 0-10 V	24	4-20mA	4	1000wh or varh/count	4	DC 110V
									* Frequency±10%	15	DC 2-10 V	29	SPECIFIED	9	SPECIFIED	5	DC 220V
										19	SPECIFIED					6	AC 90-260V
																9	SPECIFIED

2. Specification

- Accuracy : 0.25% F.S. (23 ±5°C)
- Temp. coefficient : 100ppm/°C (0-50°C)
- Input burden : ≤ 0.2VA (Voltage)
≤ 0.2VA (Current)
- Maximum input over : Current related input : 3 x rated continuous, 10 x rated 30sec, 25 x rated 3 sec, 50 x rated 1 sec
Voltage related input: maximum 2 x rated continuous
- Response time : ≤ 250ms (0-90%)
- Output ripple (p-p) : < 0.1% F.S.
- Output drive capability : ≤ 10mA for voltage mode
≤ 10V for current mode
- Output of WH or VarH : Open collector type, max. 50V/30mA or reed relay DC100V/0.5A≤10VA
- Dielectric strength : 2KVac/1 min. (input/output/aux. power/case)
- Surge test : ANSI C37.90a/1974, DIN-IEC 255-4 impulse voltage 5KV (1.2x50µs)
- Operating condition : 0~50°C (20 to 95% RH non-condensed)
- Storage condition : 0~70°C (20 to 95% RH non-condensed)
- Power supply : AC 110V/220V± 20% (50 /60Hz) ≤ 3.5VA (Optional DC24V, DC48V, DC110V, DC220V ± 20%)

4. Terminal Connection



Model		Element connection	Standard analog calibration (Watts or Vars)					
Watts	Vars		V = 120V		V = 240V		V = 400V	
			1A	5A	1A	5A	1A	5A
PWWH1	PVVH1	1Ø2W	100	500	200	1K	400	2K
PWWH3	PVVH3	3Ø3W	200	1K	400	2K	800	4K
PWWH4	PVVH4	3Ø4W	300	1.5K	600	3K	1.2K	6K

3. Dimension: See Page-99 Transducer Dimension