



96 x 96mm

**Features :**

- 3 Ø (True rms) Voltage
- 3 Ø (True rms) Current
- Frequency
- Run Hour (Hour - Mins)
- RPM
- Programmable CT / PT Primary / Secondary

Certifications : **CE**

**Display Specifications**

Display	3 rows, LED display
Digit	3
Digit Height	0.58" (14.7mm)

**Input Specifications**

Electrical Connection	3Ø-4 W, 3Ø-3W, 2Ø-3W, 1Ø-2W
Input Voltage Rated	11 to 300V AC, (Phase to Neutral) 19 to 519V AC, (Phase to Phase)
Input Current Rated	Nominal 5A (Min-30mA, Max-6A)
Frequency	50 or 60 Hz
Display Scrolling	Automatic / Manual (Programmable)
RPM	1350 - 1950 [ Pole: 0 (Range: 0 - 98, selectable in steps of 2), Frequency: 45-65 Hz]
Run Hour	0 - 99999.9 hr
Resolution	Current & Voltage: Depending on CT & PT RPM: 0.1 Run Hour: 0.1hr
Accuracy	Voltage(L-N / L-L): ±0.5% of F.S. ±2digit Average Voltage (L-N / L-L): ±0.5% of F.S. ±2 digit Current: ±1% of F.S. ±2 digit Average current: ±1% of F.S. ±2 digit Frequency: ±0.1Hz ±1digit Run Hour: ±1% RPM: ±0.5%
Measurements	1) 3 Ø Voltage (L-N, L-L, Avg.) 2) 3 Ø Current (I1, I2, I3, Avg.) 3) Frequency 4) RPM 5) Run Hour

**Supply Specifications**

Auxiliary Supply	230V AC, ±20% (50/60 Hz)
Burden	0.5 VA @ 5A per phase

**Settable Parameters**

CT Primary	5A to 10,000A (Programmable for any value)
CT Secondary	1A / 5A (Programmable)
PT Primary	100V to 500kV (Programmable for any value)
PT Secondary	100 to 500V AC (L-L) (Programmable for any value)

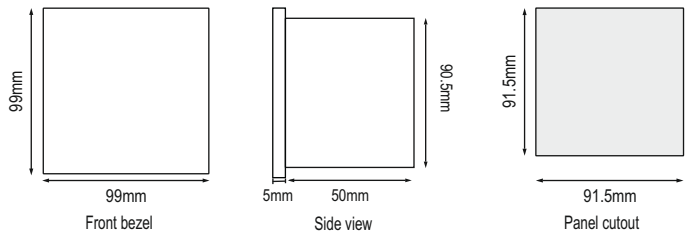
**Environmental Specifications**

Temperature	Operating: -10°C to +55°C Storage: -20°C to +75°C
Humidity (non-condensing)	Upto 85% RH

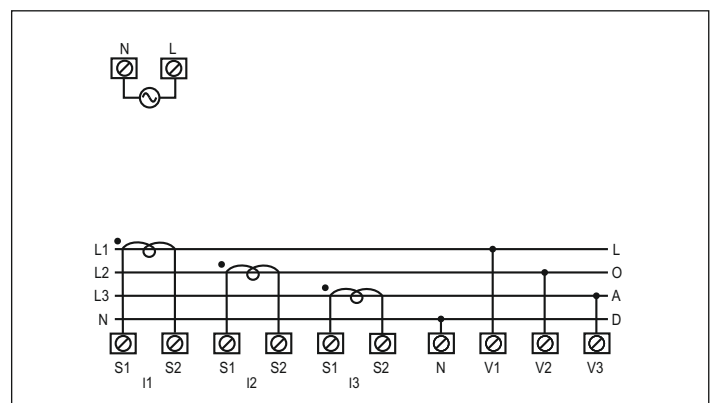
**Mechanical Specifications**

Mounting	Panel mount
Weight	270 gms

**Dimensions**



**Terminal Connections**



**UL** Cable Size (AWG): 20 to 14 ; Tightening Torque (Lb-inch): 6.018 to 6.992

**IEC** Cable Size (mm<sup>2</sup>): 0.5 to 2.5 ; Tightening Torque (N-m): 0.68 to 0.79

**Ordering Information**

Part No.	Supply Voltage
	230V AC
VAF39A-1-230V AC-CE	■

**Compliance**

Applicable EMI / EMC Standards		
Product Standard : IEC 61326-1		
Category		Standards Compliance
ESD Immunity	IEC 61000-4-2	Level IV (Air discharge : 15kV), (Contact Discharge : -8kV)
Surge Immunity	IEC 61000-4-5	+/- 2kV common mode, (Line to ground) +/- 1kV differential mode, (Line to Line)
Radiated Susceptibility	IEC 61000-4-3	Level III, 80 to 1000MHz (10V/m) Level II, 1.4GHz to 2GHz (3V/m) Level I, 2GHz to 2.7GHz (1V/m)
Conducted Susceptibility	IEC 61000-4-6	Level II (3V/m)
Voltage Dips and Interruptions	IEC 61000-4-11	<b>Dips</b> : 0% residual voltage / 1 cycle (Criteria B), 40% residual voltage / 10 cycles 50Hz / 12 cycles 60Hz (Criteria C) 70% residual voltage / 25 cycles 50Hz / 30 cycles 60Hz (Criteria C) <b>Interruptions</b> : 0% residual voltage / 250 cycles 50Hz / 300 cycles 60Hz (Criteria C)
Conducted Emission	CISPR-11	
Radiated Emission	CISPR-11	
Electrical Fast Transient	IEC 61000-4-4	Level III (2kV)