

APTUS AUTOMATION

AVF INDICATOR

USER MANUAL

Notice before start-up

Please confirm the specification of instrument is to totally with your requirement before using it, also read this manual in detail.



Danger

Danger! Electric Shock!

DON'T touch AC power wiring terminals when instrument has been powered!

Keep the power off until all of the wirings are completed!



Warning

- 1) Please confirm the AC power wiring to instrument is correct, otherwise it would be caused aggravated damage on instrument.
- 2) Be sure to use the rated power supply, otherwise it would be caused aggravated damage on instrument.
- 3) Please confirm wires are connected with correct terminal (Power, Input and Output).
- 4) Avoid installing instrument in following spaces:
I. A place where the ambient temperature may reach beyond the range from 0 to 50°C

II. A place where the ambient humidity may reach beyond the range from 20 to 90% RH.

III. A place where the instrument likely to come into contact with water, oil, chemicals, steam and vapor.

IV. A place where the instrument is subject to interface with static electricity, magnetism and noise.

Product Name : AVF Indicator

Model No. : A1032-A

Display Specifications

3 Digit Seven Segment, 3 Rows LED Display
0.59" Display Color Red

Input Voltage Rated

30 to 280V AC, (Phase to Neutral)
50 to 500V AC, (Phase to Phase)

Input Current Rated

Nominal 5A (Min-50mA, Max-5.5A)

Frequency 45.0 to 65.0 Hz

Display Scrolling

Automatic / Manual (Programmable)

RPM

1350 - 1950 (For the value of Pole:4)
Pole (Range: 1 - 28)

Load Hour 0 - 9999 Hr 59 Min

Resolution

Current : Depending on CT.
RPM: 1
Run Hour: 1 Minute

Accuracy

Frequency: $\pm 0.1\text{Hz} \pm 1\text{digit}$
Current & Voltage: Class 1.0
Load Hour: $\pm 1\%$
RPM: $\pm 1.0\%$

Measurements

- 1) 3 $\emptyset$ Voltage (L-N, L-L, Avg.)
- 2) 3 $\emptyset$ Current (L1, L2, L3, Avg.)
- 3) 3 $\emptyset$ Frequency
- 4) RPM
- 5) Load Hour

Supply Specifications

Auxiliary Supply 230V AC, $\pm 10\%$ (50 Hz)
Burden $< 4\text{ VA}$

Settable Parameters

CT Primary : 5A to 6000A (programmable; in steps of 5A)
RMP Pole : 1 to 28 (programmable)
Load percentage : 5 to 50 (programmable; in steps of 5)

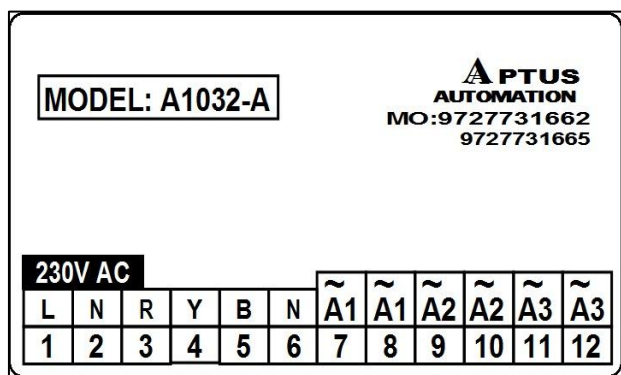
Mechanical Specifications

Dimensions : 96 x 96 x 45mm (HxWxD)
Mounting : Panel Mount (Cutout 92 x 92mm) (HxW)

Electrical Connection

3 PHASE - 4 Wire
3 PHASE - 3 Wire
1 PHASE - 2 Wire

TERMINAL DETAIL



INPUT TYPE	A1032
230 V AC Power supply	Terminal 1 & 2
1 PHASE - 2 WIRE	Terminal 3 & 6
3 PHASE - 4 WIRE	Terminal 3, 4, 5 & 6
3 PHASE - 3 WIRE	Terminal 3, 4 & 5
CT - 1 Input	Terminal 7 & 8
CT - 2 Input	Terminal 9 & 10
CT - 3 Input	Terminal 11 & 12

DISPLAY SCROLL:

- Press the SCROLL Key About 5 Second for AUTO/MANUAL scrolling.

LOAD HOUR TIME RESET:

- Press the SCROLL Key About 15 Second to Enter in configuration menu .

KEY	DISPLAY	FUNCTION
SCROLL	LdH rSt nO/YES	Load Hour Time Reset YES : To reset Time. nO : Not reset Time

NOTE : Wait for 3 sec to Save parameter and Exit Automatically.

PARAMETER SETTING MENU:

- POWER On + press the SCROLL Key to enter in parameter setting menu.

KEY	DISPLAY	FUNCTION
SCROLL	Ctr - - - 005	CT Ratio : Set CT Ratio according to your requirement. RANG(5 to 6000)
SCROLL	ntw 1P/3P 2W/3W/4W	Network : Set PHASE-WIRE according to your requirement. 1P and 2W : 1 PHASE – 2 Wire. 3P and 3W : 3 PHASE – 3 Wire. 3P and 4W : 3 PHASE – 4 Wire
SCROLL	Ld PEr 010	Load Percentage : Set Load percentage according to your requirement. RANG(5 to50)
SCROLL	POL 001	Pole : Set Pole for RPM according to your requirement. RANG(1 to 28)

NOTE : Wait for 3 sec to Save parameter and Exit Automatically.

