

PROGRAMMING MANUAL

JEO
3A|3V|A|V



www.enerjeometers.com



1. FEATURES

- 3P.4W/ 3P.3W (Star/Delta) Programmable
- PT ratio / CT ratio programmable
- Universal Auxiliary (40-300V AC/DC) supply.
- Universal Voltage Input (80 - 550 VAC)
- Current Secondary (0.5A to 6A).
- RS 485 - Optional.



2. KEY & LED INDICATION

LED Status	JEO3A	LED Status	JEO3V
R - ON	R Phase Amps	R - ON	R Phase Voltage(VLN)
Y - ON	Y Phase Amps	Y - ON	Y Phase Voltage (VLN)
B - ON	B Phase Amps	B - ON	B Phase Voltage (VLN)

K - ON	Kilo	Hz - ON	Frequency
RYB-ON	Amps Average Value	RY - ON	R-Y Voltage (VLN)
		YB - ON	Y-B Voltage (VLN)
		BR - ON	B-R Voltage (VLN)
		K - ON	Kilo
		RYB - ON	VLL Average Value
		RYB - OFF	VLN Average Value

Enabling and Disabling Auto Scrolling

Press Down for more than 6 Secs. Display shows : Auto scroll enabled.
Press Down for more than 6 Secs. Display shows : Auto scroll disabled.

Note: In case Auto scrolling mode is enabled

- When any key is Pressed, for 1min autoscrolling gets disabled. After 1 minute Auto scrolling gets enabled.
- Meter power goes off automatically autoscrolling gets disabled.



3. PROGRAMMING MODE

3.1 Programming Keys



To select / Edit & save Value



To decrement value/ Parameter

3.2 Setup Procedure

- Press Up + Down to enter setup mode
- Enter Password (default 1000). Blinking digit indicates editing is possible.
- Press Down to decrement value from 0, 9, upto 1.
- Press Up to move to the next digit till 4th digit .
- If Password is correct, meter displays setup mode.
- Press Up to view and press Up again to edit the parameter.
- Press Down to decrement values or to select from available options.
- Press Up to save the value / parameter.
- Press Down to edit next parameter till end of last parameter. Then display reads (YES) with 'y' blinking.
- Press Down to change to (NO) . Press Up to save.

If password is wrong, meter will display the next parameter but editing is not possible.

3.3 Setup Mode :

Programming Parameter	Default	Option/Range
Wiring Connections*	3P.4W	Option : 3P.4W, 3P.3W
PT Primary**	4150	Option : 100V - 999kV
PT Secondary**	4150	Option : 50V - 550V
CT Primary***	5000	Option : 0.5A - 99kA
CT Secondary***	5000	Option : 0.5A - 6A
Baud rate	9600	Option : 4.800k, 9.600k, 19.20k, 38.40k
Parity	EVEN	Option : EVEN / odd / no
Slave Id	1000	Range : 1-247

Note: *Applicable for 3A & 3V Model
***Applicable for 3A, A Model

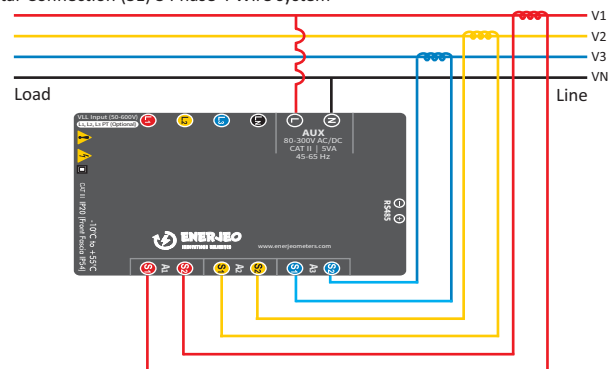
**Applicable for 3V & V Model



4. WIRING DIAGRAM

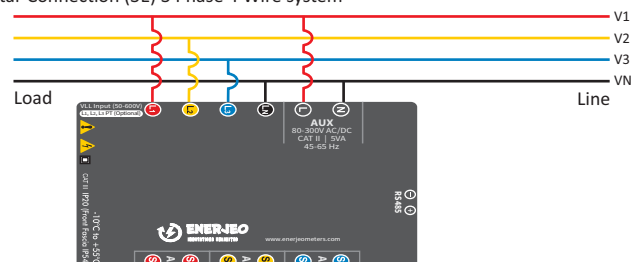
3Phase 4wire system (Star) - JEO 3A

Star Connection (3E) 3 Phase 4 Wire system



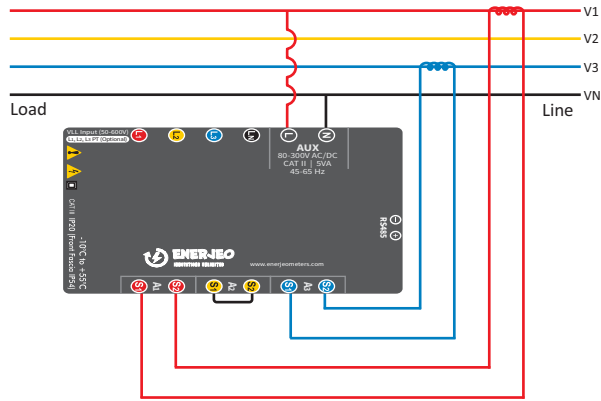
3Phase 4wire system (star) - JEO 3V

Star Connection (3E) 3 Phase 4 Wire system



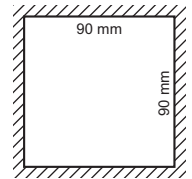
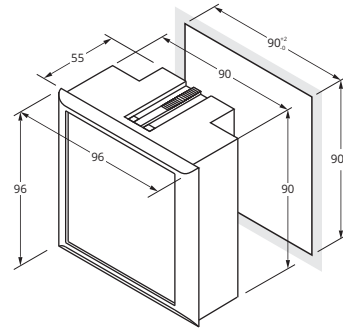
3Phase 3wire system (Delta) - JEO 3A

Delta Connection (2E) 3 Phase 3 Wire system



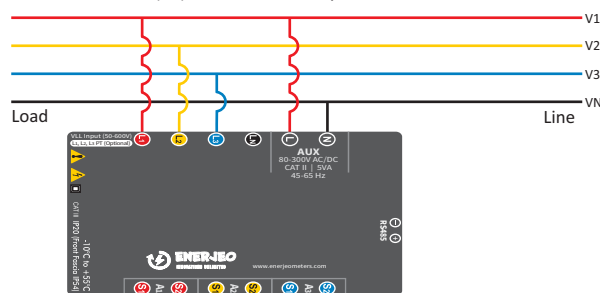
5. MECHANICAL SPECIFICATION:

Dimension Bezel: 96 x 96 mm (Depth 50mm behind Bezel) Panel Cutout: 90⁺²₀ x 90⁺²₀ mm



3Phase 3wire system (Delta) - JEO 3V

Delta Connection (2E) 3 Phase 3 Wire system



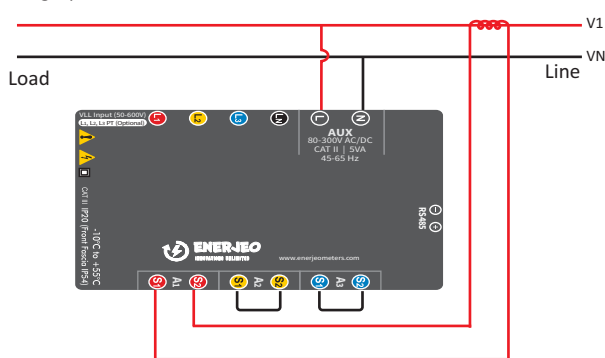
6. INFORMATION

Manufacturer assumes no responsibility for a hazard or damage caused by incorrect or non-application of any of the instructions mentioned herein. Enerjeo shall not be liable for any consequential or resulting injury or for loss, damage or expense directly or indirectly from the use of this product under any circumstances.

Enerjeo does not claim any responsibility for the damage caused by using the product directly or indirectly as sufficient care has been taken to provide all information regarding the product. The user is advised to use according to the operating instructions, professional practices, wiring rules, codes, safety regulations applicable to the given installation.

Single Phase system - JEO A

Single phase Connection

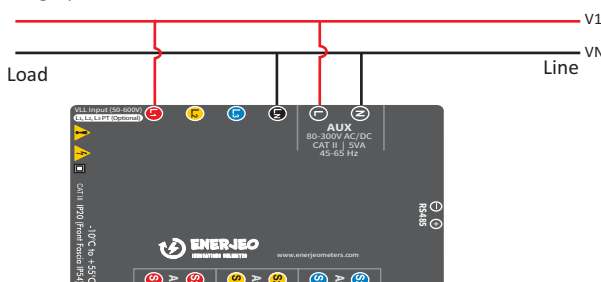


7. PRECAUTIONARY MEASURES TO BE TAKEN WHILE WIRING THE CIRCUIT:

- Turn OFF the power to the circuit, when wiring the circuit. Connecting or removing measurement cables while the power is turned ON is dangerous.
- Take special caution not to wire a current measurement circuit to the voltage input terminal or vice-versa.
- Strip the insulation cover of the measurement cable so that when it is wired to the input terminal, the conductive parts (bare wires) do not protrude from the terminal. It is recommended to use appropriate pre plug after crimping the wire. Also, make sure to fasten the input terminal screws securely so that the cable does not come loose.
- Use cables with safety terminals that cover the conductive parts for connecting to the voltage input terminals. Using a terminal with bare conductive parts is dangerous if the terminal comes loose.

Single Phase system - JEO V

Single phase Connection



8. CAUTION

During normal operation of this instrument, hazardous voltages are present at the rear terminals, which may cause injury or death. Installation, disconnection or removal of the meter should be carried out only by qualified, trained personnel, after de-energizing connected circuit. The warranty will become void incase the seal is broken, improper installation as well as improper grounding.