



96 x 96mm

Features:

- For 1Ø 2 wire, 3Ø 3 wire, 3Ø 4 wire Electrical Network
- K LED for kilo indication

Certifications: **CE**

Display Specifications

Display	7 segment LED
Digit	4
Display Height	0.56" (14.2 mm)

Input Specifications

Electrical Connection	1Ø 2 wire, 3Ø 3 wire, 3Ø 4 wire
Input Type	AC
Input Voltage Rated	11 - 300V (L-N) 19 - 516V (L-L)
Continuous Max. Input Rating	120 % of rated I/P voltage
Overrange Indication	"Or" for input > 516V (L-L) "Or" for input > 300V (L-N)
Frequency	50 / 60Hz
Resolution	Auto Resolution
Accuracy	±0.5% of F.S
Update Rate	1 Sec
Impedance	1MW (±5%)

Settable Parameters

PT Primary	100V – 999kV (Programmable to any Value)
PT Secondary	100V - 500V

Auxiliary Supply Specifications

Auxiliary Supply	230V AC, (±20%), 50/60 Hz
Power Consumption	<5 VA max.

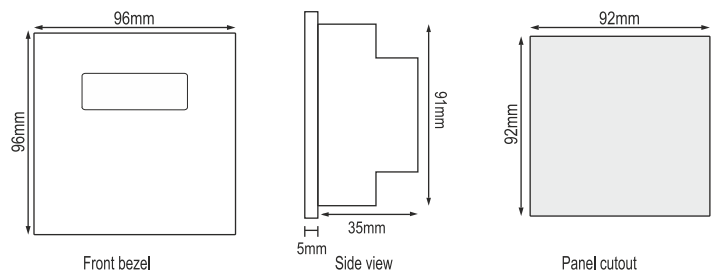
Environmental Specifications

Temperature	Operating: 0 to 50°C Storage: -25 to 70°C
Humidity (non-condensing)	0-90% (non condensing)

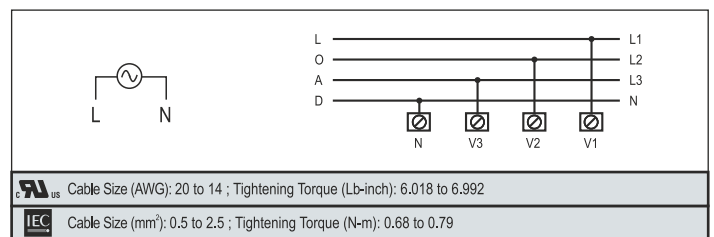
Mechanical Specifications

Mounting	Panel mount
Weight	190 gms

Dimensions



Terminal Connections



Ordering Information

Part No.	Supply Voltage	Certification
	230V AC	
MV334-230V AC	■	—
MV334-230V AC-CE	■	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	Dips : 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) Interruptions : 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)



96 x 96mm

SPECIFICATIONS

Display	: 4 Digit 7 segment LED Display
Wiring input	: 3 \emptyset 4 W, 3 \emptyset 3 W, 1 \emptyset 2 W
Rated input voltage	: 11 - 300V AC(L-N) 19 - 516V AC(L-L)
Frequency range	: 50/60 Hz
Max continuous I/P range	: 120% of rated I/P Voltage
Over range indication	: "Or" for input > 516V(L-L) "Or" for input > 300V(L-N)
Impedance	: 1M Ω (\pm 5%)
PT Primary	: 100V - 999kV
PT Secondary	: 100V - 500V (Programmable to any value)
Resolution	: Auto resolution
Accuracy	: \pm 0.5% of full Range

Measuring Method	: True RMS
Display Update Time	: 1sec.
Power Consumption	: Less than 5VA
Auxiliary Supply Voltage	: 230V AC(\pm 20%), 50/60Hz
Weight	: 190gms
Mounting	: Panel mounting
Environmental Conditions	:
Operating Temperature	: 0°C to 50°C
Operating Storage	: -25°C to 70°C
Relative Humidity	: 0-90% (non-condensing)
Pollution degree	: II

SAFETY PRECAUTIONS

All safety related codifications, symbols and instructions that appear in this operating manual or on the equipment must be strictly followed to ensure the safety of the operating personnel as well as the instrument.

If the equipment is not used in a manner specified by the manufacturer it might impair the protection provided by the equipment.

- Do not use the equipment if there is any mechanical damage.
- Ensure that the equipment is supplied with correct voltage.

⚠ CAUTION :

1. Read complete instructions prior to installation and operation of the unit.
2. Risk of electric shock.
3. The equipment in its installed state must not come in close proximity to any heating sources, caustic vapors, oils, steam or other unwanted process by products.

CONFIGURATION

- Use \triangleright + \triangle key to enter & exit from config. menu, for 5 sec.
- Use \triangle key to go to next parameter.
- Use \triangleright key to edit the parameter & press same key for 2 sec. to save parameter.
- Use \triangle key to increment parameter value.
- To set the value of PT primary in kV, First edit the value and then press \triangle key for 3 sec., Display will shift to kV with resolution 000.0kV & this process is same, to set the value of PT primary in V.

Config. page.	Function	Range or Selection	Factory Setting
1	Network Selection	3 ϕ 4W, 3 ϕ 3W, 1 ϕ 2W-R, 1 ϕ 2W-Y, 1 ϕ 2W-B	3P4W
2	PT Primary	100-999kV	350
3	PT Secondary	100-500V	350

ONLINE PAGE DESCRIPTION

	KEY PRESS	DESCRIPTION
Press Key (A)	* —	Displays 1 st phase voltage
	* 1 st time	Displays 2 nd phase voltage
	* 2 nd time	Displays 3 rd phase voltage
	* 3 rd time	Displays average line neutral voltage
	4 th time	Displays line-line voltage of 1 st & 2 nd Phase
	5 th time	Displays line-line voltage of 2 nd & 3 rd Phase
	6 th time	Displays line-line voltage of 3 rd & 1 st Phase
7 th time	Displays average line-line voltage	

Note : * Marked pages are not available when network selection is 3P3W. and 1P2W respective phase parameter will be available.

AUTO MANUAL DESCRIPTION

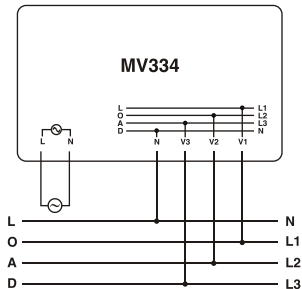
Press \triangleright key for 3sec. to switch in auto and manual mode.

SERIAL NUMBER DESCRIPTION

Press \triangle key for 10sec. to display 8 digit serial number only for 10sec. in two windows.

WIRING DIAGRAM WITH TERMINAL CONNECTIONS

3P4W



(Specifications subject to change as development is a continuous process.)

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