KM-24

WIRELESS 1 PHASE ENERGY METER

TECHNICAL SPECIFICATION

Power Supply		110-240 VAC 50-60 Hz
Power Consumption		2.5VA
Display		7-Segment, Size 0.39 Inch,
Input	Volt	1 Phase
	Volt Range	110-240 VAC
	Accuracy Volt	±0.5% FS.
	Current	45 A
	kW,PF,Demand	±0.5% FS.
	Accuracy Current	±0.5% FS.
	kWh	Class 1
	Counter Input	Dry Contact Max 1k Hz
Output		3200 impluse/kWh
Communication	Protocol	MODBUS RTU
	Baud Rate	2400, 4800, 9600, 19200, 38400,57600, 115200 bps
	Parity	None, Even, Odd
	Stop Bits	1, 2
	Data Bits	8 Bits
	Support Device Node	255
LoRa Communication	Frequency	923-925 MHz
	Transmit Power	+20dBm (E.I.R.P.)
	Spreading factor	7 - 12
	Sensitivity	Up to -137dBm
	Antenna	SMA
Ambient Operation	Temperature	-10 ˚C to 60 ˚C
	Humidity	85 % RH Non-Condensing
Ambient Storage	Temperature	-20 ˚C to 80 ˚C
	Humidity	85 % RH Non-Condensing
Protection Degree		IP30
Installation		DIN-RAIL
Material		ABS-V0
Size		89 x 76 x 74.50 ±0.5 mm.
Weigth		200 g.

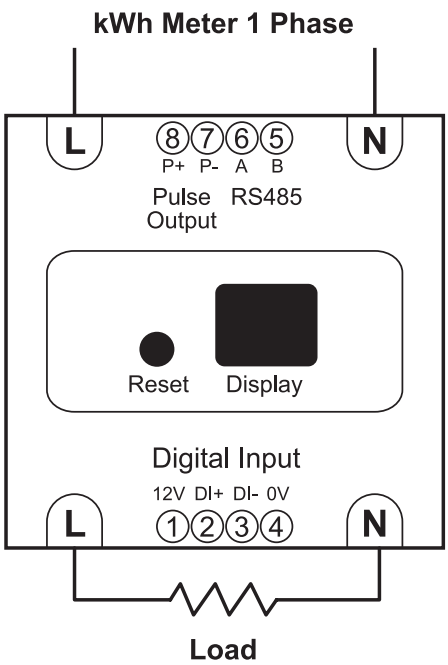
DESCRIPTION

- KM-24-M is 1 phase electrical meter
- Can install meter more than 127 per 1 system RS485
- Can measure voltage (V), Current (A), Power(kW), Electrical energy (kWh) and display result of water usage in cubic metre (m^3) unit from Pulse of of Water Meter.
- Input for receive pulse from water meter to send data water usage with cubic meter unit.
- Electrical measure in True RMS has high accuracy.
- Voltage measure range 110-240 VAC.
- Current measure range 0.02 - 45 A
- 7-Segment LED display.
- Communication is RS485 Modbus RTU Protocol.
- Can set Input filter time since 0.00 - 10.00 Sec.

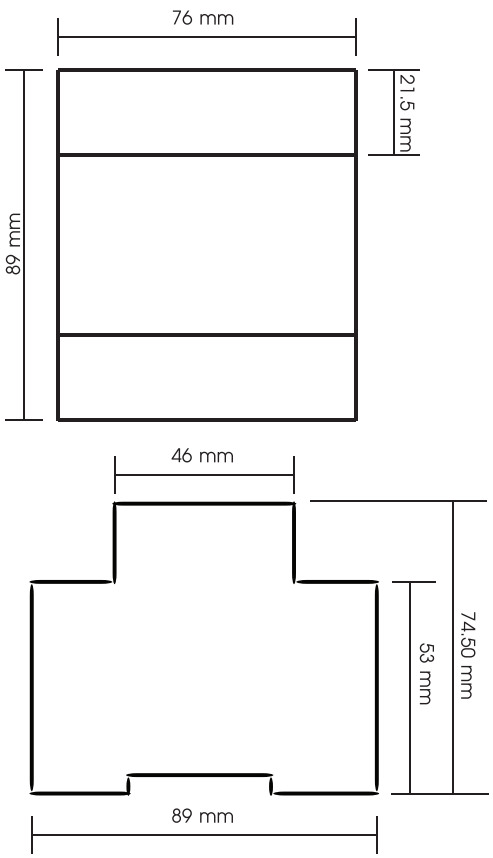
OPERATION

Use with current 45 A. It can measure V, A, kW, kWh and display water usage in cubic metre unit (m^3) by receive Water Meter and send data from measure both electrical and water usage. User can connect meter 127 devices per 1 system RS485. It convince for use by Online system all the time. Decrease staff and give correctness to record and saving energy. Display by 7-Segment LED. Top row show Volt and Amp alternately. Below show kW, kWh and water usage in cubic meter(m3) all the time.

WIRING DIAGRAM



DIMENSION



ORDERING CODE

KM-24 - [ ] (Communication)

COMMUNICATION	
M	RS-485
L	Wireless