



EM512 Type 700 JV1

Residential Prepayment Electricity Meter with Double Sensor

EM512 Type 700 JV1 is the single phase prepayment meter with double sensor, fully designed to fulfill the requirements of EN50470-1, EN50470-3, CLC/TR 50579 IEC62052-11, IEC62053-21 and STS standard.

KEY BENEFITS

- » Maximum current of 80A with Class1 accuracy
- » Anti Tamper meter
- » Asymmetrical (DIN) and symmetrical (BS) terminal arrangement
- » 20 Digit STS encryption
- » Optical port for data bus output
- » Use keypad with configuration 3x4
- » Programmable Post Paid or Prepaid Meter
- » Input token via remote RC-5

PROTECTION

EM512 Type 700 JV1 is manufactured using advanced technology and high quality component materials in order to ensure long-term functionality and accuracy. The resistance and protection features protect the meter from dust and liquid damage in accordance with IP54 testing standards.

EM512 Type 700 JV1 is manufactured with anti-tamper features which comply to SPLN D3.009-1:2010. In the event of tampering, the meter will continue counting the energy consumption based on class limit. In this case, the register will be automatically protected and will record a missing energy measurement as a result of tampering or energy theft. In visual mode, the yellow LED and the LCD will be activated every time the meter detects tampering or energy theft.

EM512 Type 700 JV1 is designed with a magnetic sensor used to activate the LED tamper and LCD display each time the meter indicates an external magnetic force. In this case, the meter will keep measuring the energy usage based on the class 1 standard meter.

METER OPTIONS

The EM512 Type 700 JV1 product range supports the following options:

- » Programmable low credit warning threshold (in kW)
- » Maximum power limit setting (in W)
- » Programmable interval audible low credit warning (in Minutes)

BENEFITS AND FEATURES

The meters also have the data bus output via optical probe, which the meters always push the data out via optical probe.

The data are: Initial meter, Event Log and historical token

For ease of use and user friendliness, all EM512 Type 700 JV1 meters include:

- » LED for tamper indicator (yellow color)
- » LED for credit indicator, (Red color for Low credit and green color for sufficient credit). The low credit warning limit can be programmed





The keypad when pressed has both tactile and audible feedback.

The acceptance or rejection of a token is shown on the LCD. In addition the meter stores and can display the last five tokens entered.

An optional the EM512 Type 700 JV1 have the Infra-Red for token input via command remote which use RC5 protocol

DISPLAY LCD

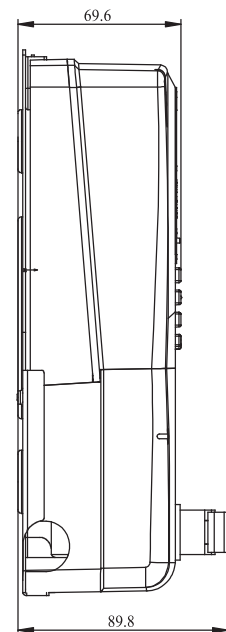
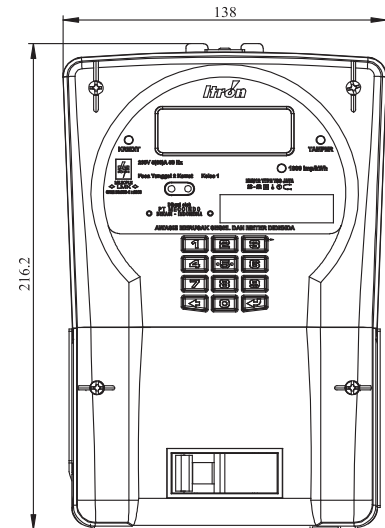


- »  Power bar indicator
- »  Reverse current indicator
- »  Tamper indicator
- »  Contactor open indicator

TECHNICAL SPECIFICATIONS

Meter Type	Prepaymnet Single Phase meter
Standard	EN 50470-1, EN 50470-3, CLC/TR 50579 IEC 62052-11:2003, IEC 62053-21:2003
Network	Single Phase 2 wires
Measuring Scope	Active Energy
Class Index	Class 1
Reference voltage	220V, 230V, 240V
Operating Voltage Range	- 30% Un to +15% Un
Power Consumption	<2W dan <10VA
Basic Current	5 A
Maximum current	60 A / 80 A
Starting Current	0.2% Ib
Operating Temperature range	-25°C to +55°C
Limit temperature Range to transport and storage	-25°C to + 85°C
Degree of Protection	IP 54
Immunity to impulse voltage	6kV
Relative Humidity	Up to 95%
Meter Weight	1.3 kg
Meter constant	1000 pulse/kWh
User Interface	12 digits keypad with audio feedback 7 segment LCD with spacial symbols LED Indicator Optical probe Infra-Red for token input via remote

DIMENSION



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