



AUS-iot EM 1P LSL - xxx



Overview

The **AUS-iot EM 1P LSL** is a LoRa-enabled single-phase electricity meter with an integrated latch for remote mains supply control. Fully integrated into the AUS-iot System backend software, it provides seamless real-time monitoring, automated billing, and remote management of residential, commercial, and industrial energy use.

With secure LoRaWAN connectivity, the EM 1P LSL ensures long-range, reliable data transmission while minimizing power consumption. Its built-in latch enables remote disconnection and reconnection of the mains supply, supporting efficient load management, tamper response, and rapid fault resolution.

Flexible integration options allow operators to manage the device through the AUS-iot System suite or link to external platforms via API or simple CSV exchange. Real-time fault and tamper notifications are delivered by mobile app or email, ensuring fast action and improved safety.

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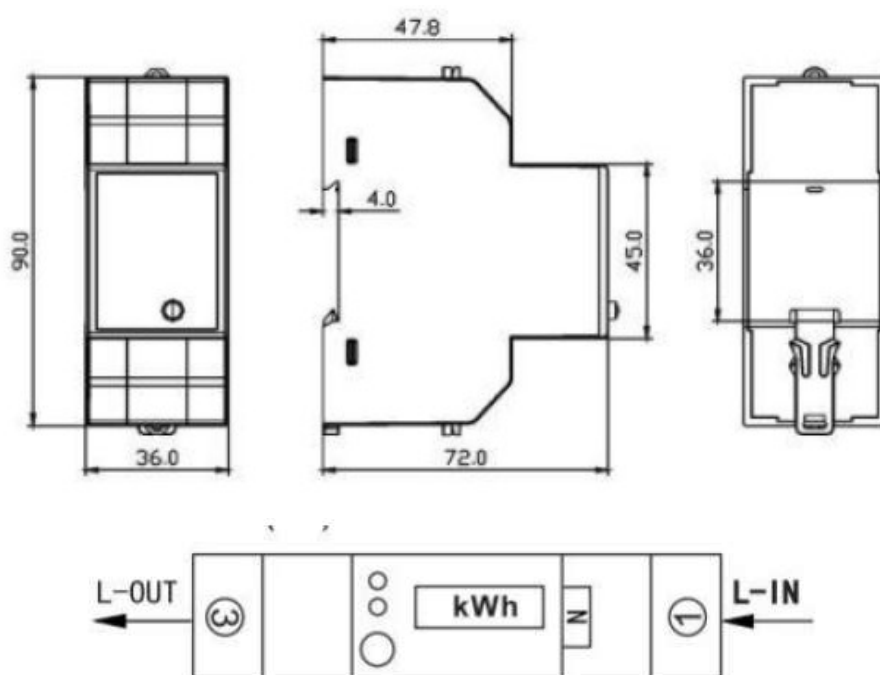
Features

• Input Voltage: 220VAC (80%~120%)	• Long distance communication up to 15 km
• Input Current: 0.25~5(80)A	• Life: 10+ year / Ultra-low power
• Input Frequency: 50Hz	• LoRaWAN Class A
• Parameters: V, A, Hz, PF, kWh, kVArh	• Approved for use in SA, AUS, EU
• Sensor: Shunt / Direct connection	• Installation: Vertical DIN Rail
• Load Control: 80A Magnetic Latch	• Operating Temperature: -20°C to 70°C
• Network: L+N	• Configurable Data Upload
• Compliance: IEC 62052-11 / IEC 62053-21 / IEC 62055-41 / IEC 62056-21	

Accuracy

• Accuracy: Class 1 IEC 62053-21	
• Voltage : 0.5% of range maximum	• Active power(W): $\pm 1\%$ of range max
• Current: 0.5% of nominal	• Reactive power(VAr): $\pm 1\%$ of range max
• Frequency: 0.2% of mid-frequency	• Apparent power(VA): $\pm 1\%$ of range max
• Power factor: 1% of unity (0.01)	• Active energy(Wh): Class 1 IEC 62053-21

Mechanical



Order Code

Product	Type	Phase	Comms	Sensor	Control	Radio Band
AUS-iot	EM - Electricity Meter	1P – Single Phase	L – LoRa	S – Shunt	L - Latch	868 - South Africa 915 - Australia

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