

MAGNO CIU

Customer Interface Unit



The **Magno CIU** is a handheld customer interface unit designed for end users to interact with energy meters using the **DLMS/COSEM** protocol and operate in compliance with **STS/CTS** standards. It enables monitoring of energy consumption and supports prepayment activities. With a slim, lightweight, and durable design, it offers mobility and resilience in various environments, displaying DLMS energy parameters and alarm statuses via keypad input.



DLMS PROTOCOL



STS COMPLIANT



MULTIPLE ALARMS



REMOVE UPGRADE



MAGNO CIU

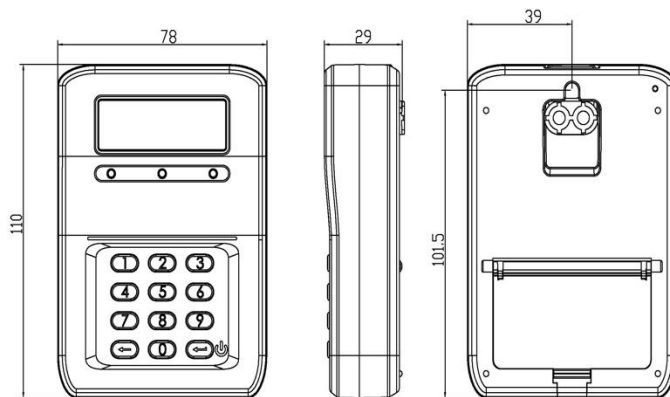
Technical Specification:

Rated voltage	Micro USB supply or Two sections of 7 battery supply
Operating voltage range	DC 5 V \pm 0.5V(USB) or DC 3V (battery)
Temperature	Normal Operation range: -25°C to +55°C Limit operation range: -35°C to +65°C Limit range for storage and transport: -40°C to +70°C
Power Consumption	Voltage circuit (active): \leq 2 W Voltage circuit (apparent): \leq 5VA
Electromagnetic Compatibility	Electrostatic Discharges: Contact 8kV, air 15kV Fast transient burst: USB power cord coupling group of pulses: 1kV
Protection class	IP51
Lifetime	\geq 10 years

Technical Specification:

Short Code Function	<ul style="list-style-type: none">▪ Query data and display▪ Relay test, active overdraft and so on
Status Indication	<ul style="list-style-type: none">▪ LED, buzzer indication▪ Buzzer alarm can be interrupted by keypad
LCD Display	<ul style="list-style-type: none">▪ Large digit LCD display, easy for reading▪ Display readable without main power▪ LCD backlights to increase readability in low light conditions▪ Flexible display mode
Token Input	<ul style="list-style-type: none">▪ Support enter 20 digits token by keypad
Communication	<ul style="list-style-type: none">▪ Communicate with MCU via RF or PLC module▪ Communication distance more than 150 meters

Diagram:



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