



WHCi04

User Interface Unit

Designed for residential and small commercial consumers

Providing a strong foundation for your Smart Grid initiatives

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Description	Value
Voltage	
Reference 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
Humidity	Up to 95% non-condensing
Power Consumption	
Power consumption in voltage circuit (active)	≤ 2 W
Power consumption in voltage circuit (apparent)	≤ 5 V
Electromagnetic Compatibility	
Electrostatic discharges	Contact 8kV, air 15kV
Fast transient burst	USB power cord coupling group of pulses: 1kV
Protection degree	IP51
Lifetime	≥ 10 years

■ Main Functionalities

➤ Short code funtion

- Query data and display
- relay test,active overdraft and so on

➤ LCD display

- Large digit LCD display, easy for reading
- Display readable without main power
- LCD backlights to increase readability in low light conditions
- Flexible display mode

➤ Status indication

- LED, buzzer indication
- Buzzer alarm can be interrupted by keypad

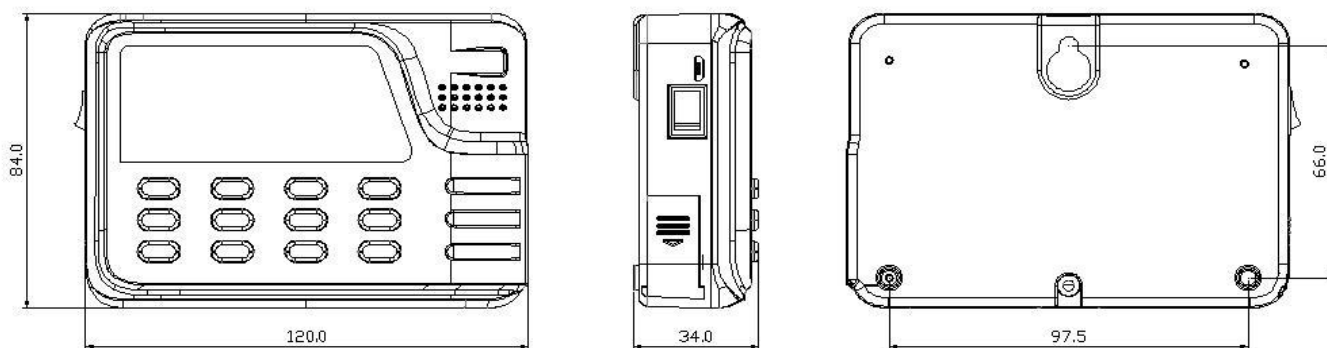
➤ TOKEN input

- Support enter 20 digits token by keypad

➤ Communication

- Communicate with MCU via PLC/RF module
- Communication distance more than 150 meters

■ Dimension and installation



➤ Certificates

