

# WSA110-DR

Single Phase DIN Rail Smart  
Prepayment Meter



## Overview

The WSA110-DR is a DIN Rail single-phase smart prepayment meter for split prepayment metering systems. It complies with STS, DLMS standards and uses various technical solutions to communicate with AMI or AMR systems.

## Highlights

1. Dual-Circuits measuring
2. Down-link communicate with CIU by PLC/Rf/MBUS
3. Up-link communicate with DCU by GSM/3G/CDMA
4. Firmware upgrade
5. Easy to uplink upgrade by Hot swappable module
6. STS Prepayment supports STS1.0 or STS2.0(CTS)
7. Relay Control(Tamper\Debt\Power Control\Remote)
8. By Pass detect
9. Meter cover and meter base support ultrasonic welding



# Single Phase DIN Rail Smart Prepayment Meter



## Main Feature

### Measurement

1. Measurement active energy in both direction
2. Remaining credit
3. Instantaneous measurement

Voltage

Current

Active power

Power factor

Frequency

### Communication

1. Optical port, RS485\MBUS\RS232\RF\PLC, G3\GPRS, MC171 IEC62056-21\DLMS

### Display

1. 4 LED display

2. Display the content in the CIU with 3 display modes available: scrolling display, manual display and power-off display
3. Display contents are configurable

### TOU(option)

1. RTC
2. 4 tariffs, 8 tariffs(option)
3. 2 seasons with a special week table
4. 50 holidays per year

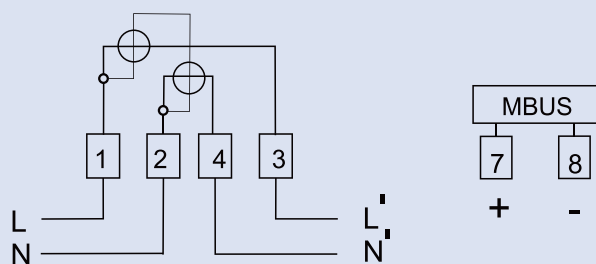
### Event

1. System event
2. Power event
3. Tamper event
4. Relay event

## Technical Specifications

Voltage	Reference	220V, 230V, 240V
	Operating range	0.5-1.2Un
Frequency		50Hz or 60Hz
Current	Basic Current (Ib)	5A, 10A
	Maximum Current (Imax)	40A, 60A, 80A, 100A
Accuracy	Active(and apparent )	CL1,0
Typical Power Consumption	Voltage circuit active / apparent power at Un	≤12W
	Current circuit apparent power at Ib	≤2VA
Degree of Protection		IP54
Weight of Meter		0.8kg
Dimensions		128mm (L) ×100mm (W) ×60mm (H)
Meter Service Life		>10years

## Connection diagram



## Dimension diagram

