



WUHAN RADARKING ELECTRONICS CORP.

DDSY150

Single Phase Prepayment Keypad Electricity Meter

The DDSY150 is used for a wide range of applications, due to an improved dynamic range allowing a basic current of 5 Amp while retaining a maximum current of 80 Amp and extended functional features.

Main Features

- 20 digit (Standard Transfer Specification) STS encryption
- Detection of significant reverse energy (SRE)
- IEC62056-21 compliant optical & RS485 port allowing for easy data interrogation
- Disconnects on overload and no credit
- Prepayment and credit mode hot swap
- Programmable load limit and low credit warning
- Detection and record tamper event such as opening cover, reverse connection, black-out
- Easy access to 12 months historical consumption data and last 5 token entered

AMR/AMI Smart Metering Function (on request)

- * Easy connection to User Interface Unit (UIU) for split type applications
- * PLC/ RF / GPRS communication with a head-end AMR/AMI server
- * Time of Use (**TOU**) , multi-tariff, holiday setting.
- * Advanced load control and disconnection features

Technical specifications

Electrical parameters:

Nominal voltage Un	230V
Limited voltage	70%~120%Un
Nominal frequency fn	50-60Hz
tolerance	5%
Basic current(Ib)	5A
Maximum current(Imax)	80A
Starting current(Ist)	20mA
Active energy constant	1600imp/kWh
Measurement Accuracy	
Active energy to IEC62053 - 21	Class1.0
Power consumption in Voltage circuit	<2W <8VA

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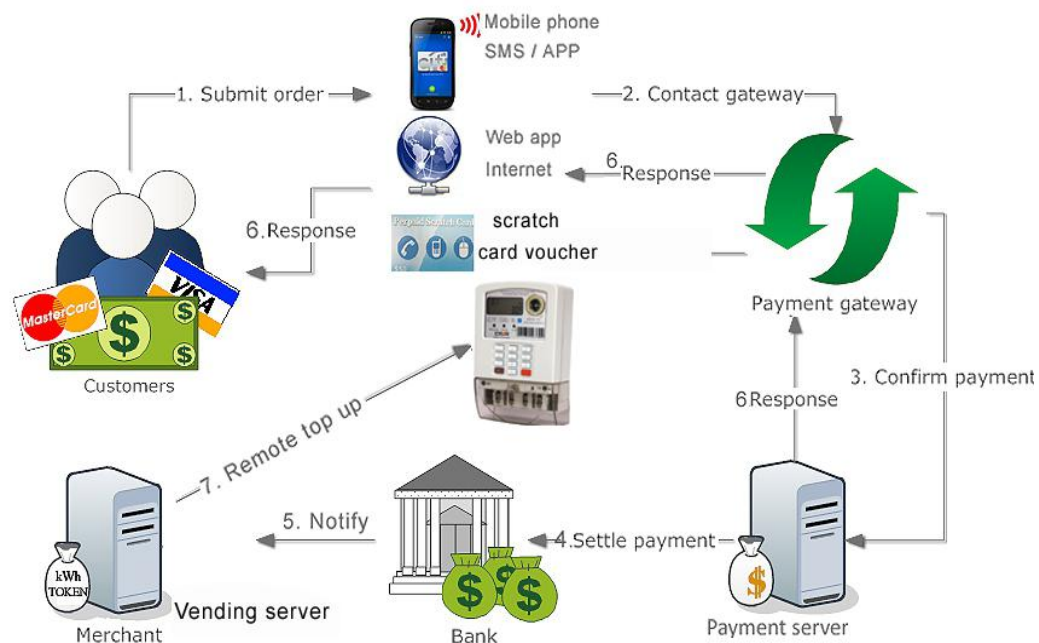


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Power consumption in current circuit	<1VA
Temperature range	
Operation	-25°C to+70°C
Storage	-40°C to+85°C
Insulation strength	
AC Insulation strength	4kV at 50Hz during 1min
Impulse voltage 1.2/50 μs mains connections	8kV
Electro Magnetic Compatibility	
Electrostatic discharges	
Contact discharge	8kV
Air discharge	16kV
Electromagnetic RF fields	
27MHz to 500MHz typical	10V/m
100kHz to 1GHz typical	30V/m
Fast transient burst test	4kV
Mechanical requirements	
Meter shell Protection Rate	IP54
Insulation System Classification	Protective Class II

Easy-Pay Multi-platform Smart Prepayment Solution

Our broad range of prepaid solutions allow for vending and purchase on various platforms. Both vendors and consumers can manage their interaction with the vending system more conveniently and efficiently.



To find more benefit of our product and solutions, please contact us for further details.