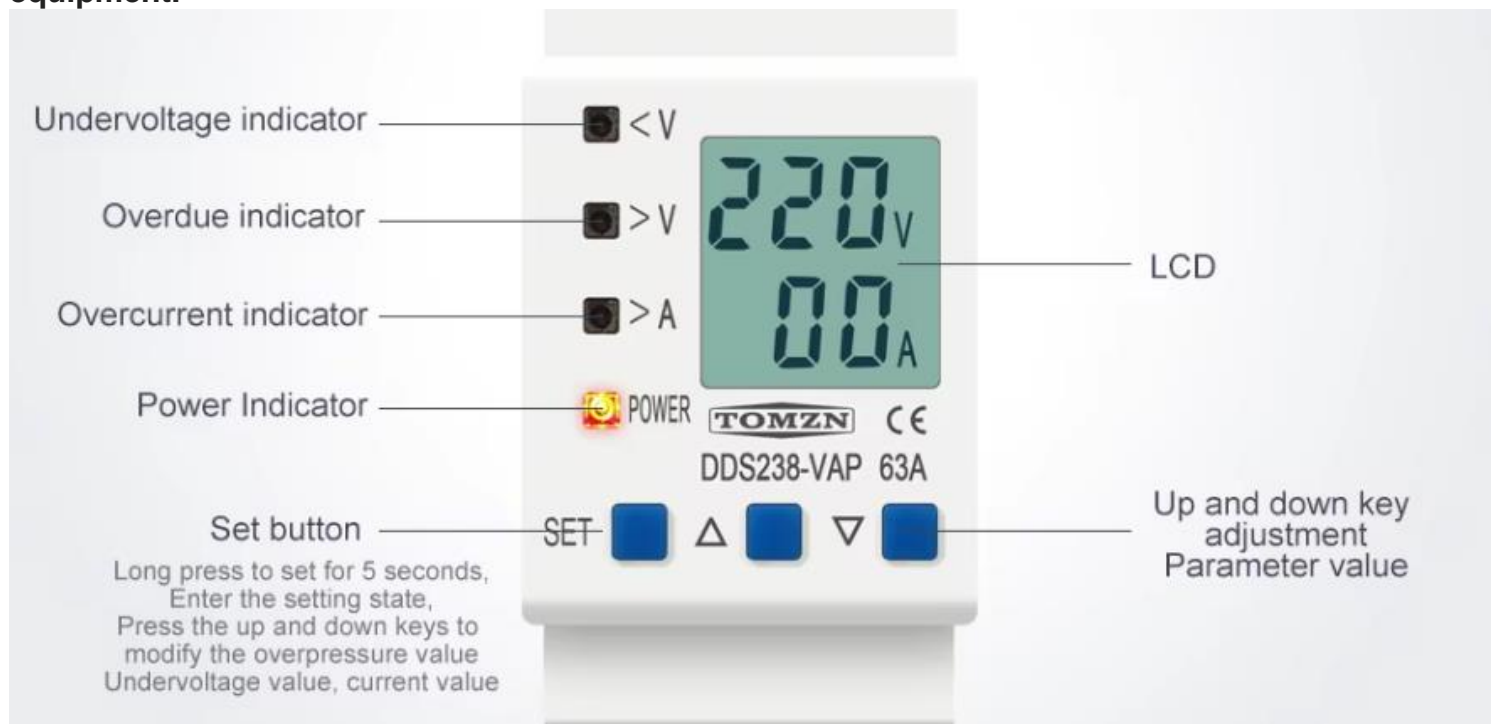


## AC 85-300V 50/60HZ

2. Over current protection, over voltage protection, under voltage protection can disable one , two or three of them.
3. the device have lightning protection for itself.
4. Voltage and Current Accuracy 0.5%
5. Its own power consumption <0.5W
6. Can be manually and automatically reconnect.
7. Can set the delay on and delay off time
8. Can be used as a normal switch
9. Can be used as a cycle switch. Remarks The product does not have a battery. If the external power supply is out of power, the cycle time starts from 0.
10. Electricity metering accuracy Class 1
11. Backlight mode is optional, convenient for user scene selection
12. Malignant load identification limit (pure resistive load), for apartments Rental housing restrictions Fast heat Electromagnetic Kettle Electric rice cooker and other resistive high-power equipment.



# LCD DISPLAY INSTRUCTION

Using long-life HTN ultra-wide temperature LCD screen,  
the parameter wheel is clear and bright

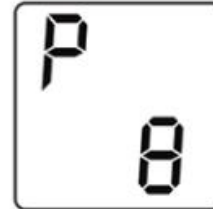
## NORMAL WORKING STATUS LCD DISPLAY

The LCD display shows '236' on the top line with a 'V' symbol to its right, and '0.8' on the bottom line with an 'A' symbol to its right.

RMS voltage and current

The LCD display shows 'E' on the top line and '0.8' on the bottom line.

Total active energy (kWh)

The LCD display shows 'P' on the top line and '8' on the bottom line.

RMS active power (W)

## UNDER FUNCTION MODE SETTING AND VALUE SETTING LCD DISPLAY

The LCD display shows 'de' on the top line and '2' on the bottom line.

Function mode 2

The LCD display shows 'b9' on the top line and '2' on the bottom line.

Backlight mode 2

The LCD display shows '55' on the top line and '2' on the bottom line.

Delay 2s in load  
switch on after  
input power on

The LCD display shows 'Uo' on the top line and '270' on the bottom line.

270V overvoltage  
protection

The LCD display shows 'UoH' on the top line and '265' on the bottom line.

265V overvoltage  
recovery

The LCD display shows 'UL' on the top line and '170' on the bottom line.

170V under voltage  
protection

The LCD display shows 'ULH' on the top line and '175' on the bottom line.

175V under voltage  
recovery

The LCD display shows 'SU' on the top line and '3.0' on the bottom line.

if over/under voltage  
fault last 3s, output  
load switch off

The LCD display shows 'Io' on the top line and '40' on the bottom line.

40A over-current  
protection

The LCD display shows 'IC' on the top line and '3.0' on the bottom line.

3A Malignant load  
protection (Pure  
Resistive Load limit

The LCD display shows 'SI' on the top line and '3.0' on the bottom line.

if over-current fault  
last 3s, output load  
switch off

The LCD display shows 'SH' on the top line and '60' on the bottom line.

Delay 60s for recovery  
load after output load  
switch off protection

The LCD display shows 'Er-1' on the top line and '1' on the bottom line.

Er1 means the recent 1  
time records, another  
1 means the reason  
is overvoltage protection

## UNDER FUNCTION MODE S5/6/7 LCD DISPLAY



Function mode 6



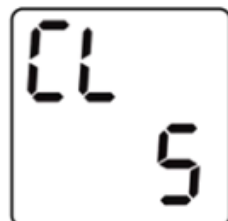
Backlight mode 2



Delay 2s in load switch  
on after input power on



switch off after 5 minutes  
(after switch on)



switch on after 5 minutes  
(after switch off)

# MODE AND CODE DESCRIPTION

LCD Code	Parameters setting	default	Max.	Min.	Marking
dE	Function mode	1	7	1	
dE 1	Mode 1				overvoltage protection, under voltage protection and over-current protection automatic switch off/on
dE 2	Mode 2				overvoltage protection, under voltage protection and over-current protection automatic switch off/manual switch on
dE 3	Mode 3				Close function of overvoltage protection, under voltage protection and over-current protection ,always keep the output load switch off
dE 4	Mode 4				Close function of overvoltage protection, under voltage protection and over-current protection ,always keep the output load switch on
dE 5	Mode 5 , unit: second	5	999	1	Close function of overvoltage protection, under voltage protection and over-current protection , keep the output load switch on /off in cycle
dE 6	Mode 5 , unit: minute	5	999	1	
dE 7	Mode 5 , unit: hour	5	999	1	
b9	Backlight mode	2	2	1	Mode 1 means always lighting , mode 2 means it will lighting last 30s after you push the button . it will light out after 30s if no any operation with button

SS	Delay time in load switch on after input power on	2s	255s	2s	It means switch on the output load after how many times when product input power on again
Uo	Overvoltage protection value	270V	300V	85V	If the value exceed the range , the LCD will display off and closed this protection function
UoH	Overvoltage recovery value	265V	300V	85V	This value must be smaller than overvoltage protection value. or it will default set as overvoltage protection value -5V when you save
UL	Under voltage protection value	170V	300V	85V	If the value exceed the range , the LCD will display off and closed this protection function
ULH	Under voltage recovery value	175V	300V	85V	This value must be smaller than under voltage protection value. or it will default set as under voltage protection value +5V when you save
SU	overvoltage / under voltage fault judgment time	3s	60s	0.1s	It means the fault must be last how many times then it will make output load switch off when happen fault
Io	Over current protection value	40A	63A	1A	If the value exceed the range , the LCD will display off and closed this protection function
IC	Malignant load protection value(Pure Resistive Load limit)	0.5A	5A	0.5A	If the value exceed the range , the LCD will display off and closed this protection function
Si	Over current fault judgment time	3s	60s	0.1s	It means the fault must be last how many times then it will make output load switch off when happen fault
SH	Delay time setting for recovery load after output load switch off protection	60s	512s	1s	It means the product must wait for how many times then make the output switch on again after happen protection
oP	Delay time set for cycle switch(under function mode 5/6/7)	5	999	1	The time unit is different under mode5/6/7
CL	Delay time set for cycle switch on(under function mode 5/6/7)	5	999	1	The time unit is different under mode5/6/7
Err 5	Last five records of protection reason				

# DIMENSION DIAGRAM

