

Meter. Protect. Reconnect.

63A single-phase digital energy meter with over / under-voltage and over-current protection



63A

Single-phase
Nominal 230V

OV · UV · OC
+ kWh meter

Auto reconnect
after recovery

LCD · DIN rail

Install by a qualified electrician with an **upstream MCB / power switch**. This is **not** a DIY / no-electrician product. Rated **63A** for this listing (supplier sheet also lists an 80A option — not marketed here).

Your exact product

Primary SKU: **1xTOMZN-DDS238-VAP** (Without Mount) · Mount kit SKU: **1xTOMZN-DDS238-VAP-M**
Face marking observed: **AS-OVP-POW** · **IN:63A** · Brand **amiciSmart**
Product ID **8360613347483** · English · Version 1.1 · 18 September 2026

Read before installation. Keep this guide with your configuration record. Terminals: N left / L right (confirmed).

Find the help you need

Tap a section below. PDF bookmarks provide the same navigation.

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Applies to this product

This guide covers **1xTOMZN-DDS238-VAP** and **1xTOMZN-DDS238-VAP-M** (Shopify product ID **8360613347483**): the same 63A multi-function protector; With Mount adds only the mounting accessory. Technical ranges follow the **N1** supplier booklet. An older **DDS238-VAP TYPE** sheet conflicts on several values — see page 10; do not invent which is correct without device checks.

Meet the protector

Backlit LCD metering with adjustable OV / UV / OC protection and auto reconnect.



Display

Top: voltage (V) · Middle: current (A) · Bottom: energy (kWh) by default. Press ▲ to cycle active power (kW) and power factor.

Controls

SET · ▲ · ▼ · power / manual key. Long-press SET to enter settings; long-press SET again to save/exit (N1).

Terminals

IN on top · OUT on bottom. Terminals confirmed: embossed **N** left, **L** right at both IN and OUT. Wire to these marks.

Capability	What it means for you
Supply	Single-phase · N1 input range AC 140–300V · listing nominal 230V
Rated current (this listing)	63A (face: IN:63A)
Protections	Over-voltage · under-voltage · over-current
Metering	Unidirectional kWh · kW · power factor · live V and A
Auto reconnect	After recovery delay when conditions return to normal
Mounting	DIN rail · optional With Mount package (SKU-M)
Size (N1)	86 × 38 × 68 mm

Fault codes (N1): HU = over-voltage · **LU** = under-voltage · **HA** = over-current. The display flashes the code with the measured value. Pulse constant printed on face: **1000 imp/kWh**.

Installation boundaries

Electrical installation must be carried out by a qualified electrician.

Qualified electrician + upstream MCB

Have a licensed electrician install and commission this device. Provide an appropriate **upstream miniature circuit breaker / power switch** (N1 wiring diagram shows a power switch ahead of the protector). Do **not** treat this product as DIY / no-electrician, despite older storefront wording.

Isolate, then wire IN top / OUT bottom

Disconnect supply and verify isolation before touching terminals. Wire supply to **IN** (top) and load path toward **OUT** (bottom) — N1 “over-entering down-out”. Terminals confirmed for this product: **N left, L right** (IN top / OUT bottom).

Load, cable and breaker sizing

Plan continuous load within the **63A** rating of this listing. Factory over-current default is **40A** (N1) — set the OC limit for the protected circuit, not above what cable and upstream protection allow. This protector is not a substitute for a correctly rated circuit breaker.

Mounting packages

- **1xTOMZN-DDS238-VAP** — Without Mount (device only).
- **1xTOMZN-DDS238-VAP-M** — With Mount (same device + mounting accessory).

Confirm which variant arrived before installation. DIN-rail seating must be secure.

Not invented: terminal torque (Nm), IP / weatherproof rating, and certified breaking capacity are not stated in N1 — omitted. Indoor / enclosure practice is for the electrician to decide. Supplier TYPE sheet separately mentions waterproof-box install language — not copied as a claim here.

Daily use

Configure protections before relying on them. Verify readings on the live display.

1. Check the installed device

Confirm IN/OUT wiring, N/L orientation, DIN-rail seating and enclosure clearance. Stop use and seek help if there is damage, unusual heat, smell or abnormal operation.

2. Read the LCD

Normal display: voltage, current and kWh. Press ▲ to show kW, then power factor. On fault, the screen flashes **HU** / **LU** / **HA** with the measured value. When the condition returns to normal, the protector reconnects after the recovery delay.

3. Adjust protections (overview)

Long-press **SET** to enter the A1–A16 menu. Use ▲ / ▼ to change values. Long-press **SET** to save (you need not walk every step). No key activity for a long period also exits — see N1 notes. Full ranges and defaults are on pages 6–7.

4. Manual output switch

N1: the down / marked key can turn the protection output **oFF** (manual switch). Treat this as a control convenience — **not** safe electrical isolation. Isolate at the upstream breaker before any wiring work.

Action time honesty: adjustable **0.1–30 s** (default **1 s** per N1). Storefront “0.1 sec” language refers to the adjustable minimum, not a guaranteed factory trip time. Investigate repeated trips with an electrician; do not raise limits only to hide a fault.

Contact amiciKart support

Technical reference

Values below are from the N1 supplier booklet unless noted. Verify on the device.

Item	Specification (N1 unless noted)
Primary SKU	1xTOMZN-DDS238-VAP
Mount variant SKU	1xTOMZN-DDS238-VAP-M
Brand / face model	amiciSmart · AS-OVP-POW (photo)
Shopify product ID	8360613347483
Poles / phase	Single-phase · 2-wire
Input voltage (N1)	AC 140–300V
Listing nominal	230V (storefront)
Rated current (this listing)	63A
80A row in N1	Supplier documents 80A option — special-order / other SKU; not this listing
Power-on delay (A1)	1–500 s (default 10 s)
Over-voltage (A2)	120–300 V (owner lock; default 270 V from N1)
OV recovery (A3)	225–295 V (default 265 V)
Under-voltage (A6)	80–210 V (owner lock; default 170 V from N1)
UV recovery (A7)	145–215 V (default 175 V)
Recovery delay	1–500 s (default 30 s)
Action time	0.1–30 s (default 1 s)
Over-current 63A model	1–63 A (default 40 A); recovery 0.5–62.5 A
Continuous OC faults (A13)	OFF / 1–20 (default OFF)
Calibration	V / A / kWh –9.9% to +9.9%
Power consumption	≤ 2 W
Mechanical life	≥ 100,000 cycles
Dimensions	86 × 38 × 68 mm
Wiring rule	IN top / OUT bottom
Warranty (store)	1 year (store policy)

v1.1 owner locks: OV **120–300V** · UV **80–210V** · reconnect **1–500s** · unidirectional kWh · N left / L right. N1 booklet OV/UV digits superseded — see page 10. Defaults 270V / 170V kept (still in range).

Menu A1–A16 and factory defaults

From N1 product-setting flowchart. Illustrated examples are not necessarily defaults.

ID	Purpose	Range (N1)	Default / note
A1	Power-on delay	1–500 s	10 s
A2	Over-voltage value	120–300 V (owner)	270 V (N1 default kept)
A3	OV recovery value	225–295 V	265 V
A4	OV recovery delay	1–500 s	see recovery default 30 s*
A5	OV action time	0.1–30 s	1 s*
A6	Under-voltage value	80–210 V (owner)	170 V (N1 default kept)
A7	UV recovery value	145–215 V	175 V
A8	UV recovery delay	1–500 s	see recovery default 30 s*
A9	UV action time	0.1–30 s	1 s*
A10	Over-current value	1–63 A (this SKU)	40 A
A11	OC recovery delay	1–500 s	see recovery default 30 s*
A12	OC action time	0.1–30 s	1 s*
A13	Continuous OC fault times	OFF · 1–20	OFF
A14	Voltage calibration	–9.9% ... +9.9%	—
A15	Current calibration	–9.9% ... +9.9%	—
A16	kWh calibration	–9.9% ... +9.9%	—

* N1 prints a shared recovery-delay default of **30 s** and action-time default of **1 s** in the technical table; per-menu A4/A5/A8/A9/A11/A12 share those families. Confirm on the live unit after install. OC recovery **current** default is not clearly printed — leave blank on the record sheet.

Save / exit (N1): long-press SET to save without walking every step. **Manual OFF:** down / marked key turns protection output off. Owner-locked ranges supersede N1 booklet OV/UV digits. N1 note “OV above 300 V closes OV” still aligns with the 120–300 V lock. Do not use the older N1 “UV below 140 V closes UV” rule with the owner 80–210 V lock.

Troubleshooting and support

These checks guide diagnosis; they do not identify a fault with certainty.

Observation	Next step
No display	Electrician: verify supply at IN, N/L orientation, and that the upstream breaker is closed.
HU flashing	Over-voltage trip. Compare measured V with A2/A3. Check supply quality before raising limits.
LU flashing	Under-voltage trip. Compare with A6/A7. Persistent brownouts need electrical investigation.
HA flashing	Over-current trip. Compare load with A10 and cable/MCB rating. Default OC is 40A.
Will not reconnect	Wait for recovery delay (A4/A8/A11). Confirm fault cleared. Check manual oFF was not left engaged.
Cannot enter settings	Long-press SET ~enter menu. If unresponsive, power-cycle after isolation and retry.
Suspected wrong L/N	Isolate. Rewire to confirmed embossing: N left, L right (IN top / OUT bottom).
Want 80A capacity	This listing is 63A. N1 documents an 80A option separately — do not overload a 63A unit.
Listing said DIY	Ignore DIY marketing. Use an electrician and upstream MCB as in this guide.
Damage / heat / smell	Stop use, isolate safely, arrange inspection. Do not open the device.

Support: quote SKU **1xTOMZN-DDS238-VAP** or **1xTOMZN-DDS238-VAP-M**. Send a clear photo of the front label/display and your A1–A16 values. Store warranty: **1 year** — coverage follows store policy. WhatsApp / call **980-970-9898** · care@amicikart.com.

[Contact amiciKart support](#)

[Product page](#)

Keep your configuration

Complete after commissioning. Keep privately — do not write Wi-Fi passwords here (this SKU has no Wi-Fi).

Installation date / location

Installer / contact

Face model / batch / serial

Upstream MCB rating / load notes ($\leq 63A$)

Setting	Verified value
A1 Power-on delay	_____ s (1–500 · default 10)
A2 / A3 OV value / recovery	_____ / _____ V (120–300 owner / 225–295 N1 recovery)
A4 / A5 OV delay / action	_____ s / _____ s
A6 / A7 UV value / recovery	_____ / _____ V (80–210 owner / 145–215 N1 recovery)
A8 / A9 UV delay / action	_____ s / _____ s
A10 Over-current	_____ A (1–63 · default 40)
A11 / A12 OC delay / action	_____ s / _____ s
A13 Continuous OC faults	OFF / _____
Package received	1xTOMZN-DDS238-VAP / 1xTOMZN-DDS238-VAP-M

Installer checks: upstream MCB present; IN top / OUT bottom; N left / L right; DIN-rail secure; continuous load planned $\leq 63A$; settings verified on LCD; customer given this record. Leave blank rather than guessing unclear values.

Owner locks and sources

Authoritative corrections for v1.1 (18 Sep 2026 ~20:36 IST) and what N1 still supplies.

Owner locked (v1.1): OV **120–300V** · UV **80–210V** · reconnect **1–500s** · **unidirectional** energy metering · terminals **N left / L right** confirmed · electrician + upstream MCB · listing clearly **63A**.

What changed from v1.0

- OV/UV body ranges now follow **owner locks** (not N1 booklet 230–300 / 140–210).
- Defaults **OV 270V** and **UV 170V** kept from N1 because they remain inside the locked ranges.
- TYPE sheet **2–255s**, **bi-directional**, and **malignant-load** claims discarded.
- Terminals treated as confirmed fact (no longer an open check).

Still from N1 booklet (unchanged role)

- Menu IDs A1–A16, OC 1–63A default 40A, recovery-delay default 30s, action-time default 1s.
- Fault codes HU / LU / HA, display cycle (kWh → kW → PF), wiring IN top / OUT bottom.
- OV/UV **recovery** rows (A3/A7) remain N1 figures (225–295 / 145–215) — not re-specified by owner; verify if you set UV near 80V.
- Appendix scans may still show superseded OV/UV digits — banners note the owner lock.

English · Version 1.1 · 18 September 2026 (IST)

SKU master filename: **1xTOMZN-DDS238-VAP.pdf** · Product ID 8360613347483

Font: Liberation Sans (Segoe UI unavailable on build host)

Status: draft for owner approval — **not** uploaded to SharePoint and **not** published to Shopify.

[Contact amiciKart support](#)

Supplier booklet pages (N1)

The next pages reproduce the N1 booklet panels used as the primary source.

How to use this appendix

These panels are the scanned N1 instruction booklet (application, parameters, A1–A16, display codes, wiring, cover). Use them with pages 1–10. If a scanned digit is soft, verify on the live device and record it on page 9.

Superseded digits on these scans

N1 panels may still print OV 230–300V and UV 140–210V. For this amiciKart listing, **owner locks override** those digits: OV **120–300V**, UV **80–210V**, reconnect **1–500s**, unidirectional metering. Use pages 1–10 for customer truth.

Identity reminder: single-phase · **63A** · OV 120–300 / UV 80–210 · unidirectional kWh · electrician + upstream MCB · N left / L right · amiciSmart AS-OVP-POW.

Appendix pages carry a blue “Supplier reference (N1)” banner. They supplement — they do not replace — the customer explanation on pages 1–10.



Also covered: mount variant **1xTOMZN-DDS238-VAP-M** (photo right/with-mount hero). Same electrical device and settings.

I. Application

Adjustable voltage and current protective device with kilowatt-hour meter is an intelligent protector integrated over-voltage protector, under-voltage protector and over-current protector. In case of over-voltage fault, under-voltage fault or over-current fault in line, this product can instantly power off to prevent electrical equipment from being burnt. The over-voltage, under-voltage and over-current values of this product can all be set up by yourself and can be adjusted on the basis of local practical conditions.

II. Product features

2.1 In case of over-voltage fault, under-voltage fault or over-current fault in single phase line, the product can power off the line and can automatically restore connect the line over a time delay after voltage or current of the line recovered to normal condition.

2.2 In case of transient over voltage in line, the product can protect the equipment from false operation.

2.3 In case that the line subjects to unstable voltage or sudden power-off and power-on due to loosened connection and other fault, the product will disconnect the line.

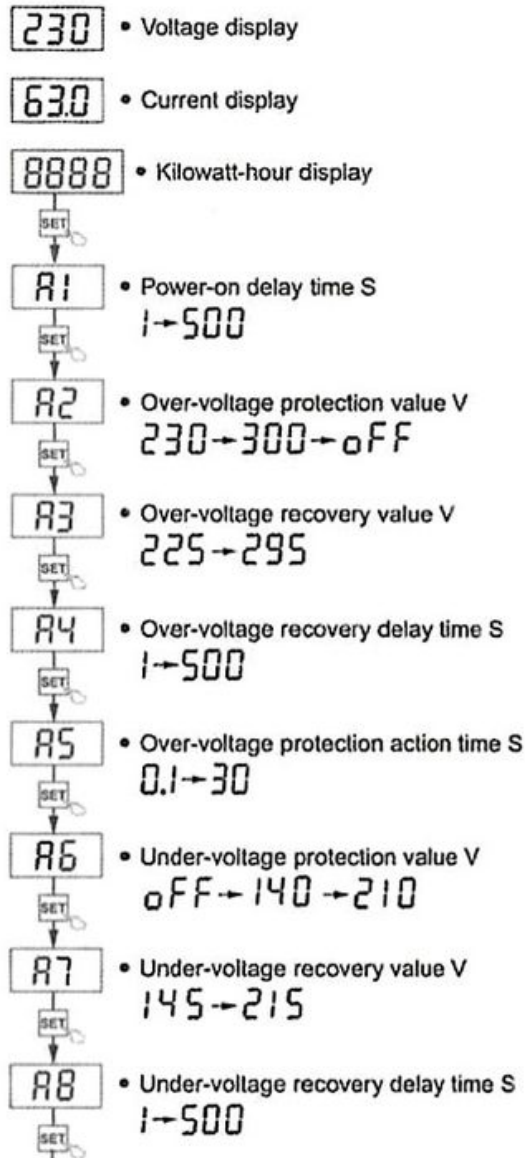
2.4 When fault voltage of the line reaches the peak, the product itself will not be damaged.

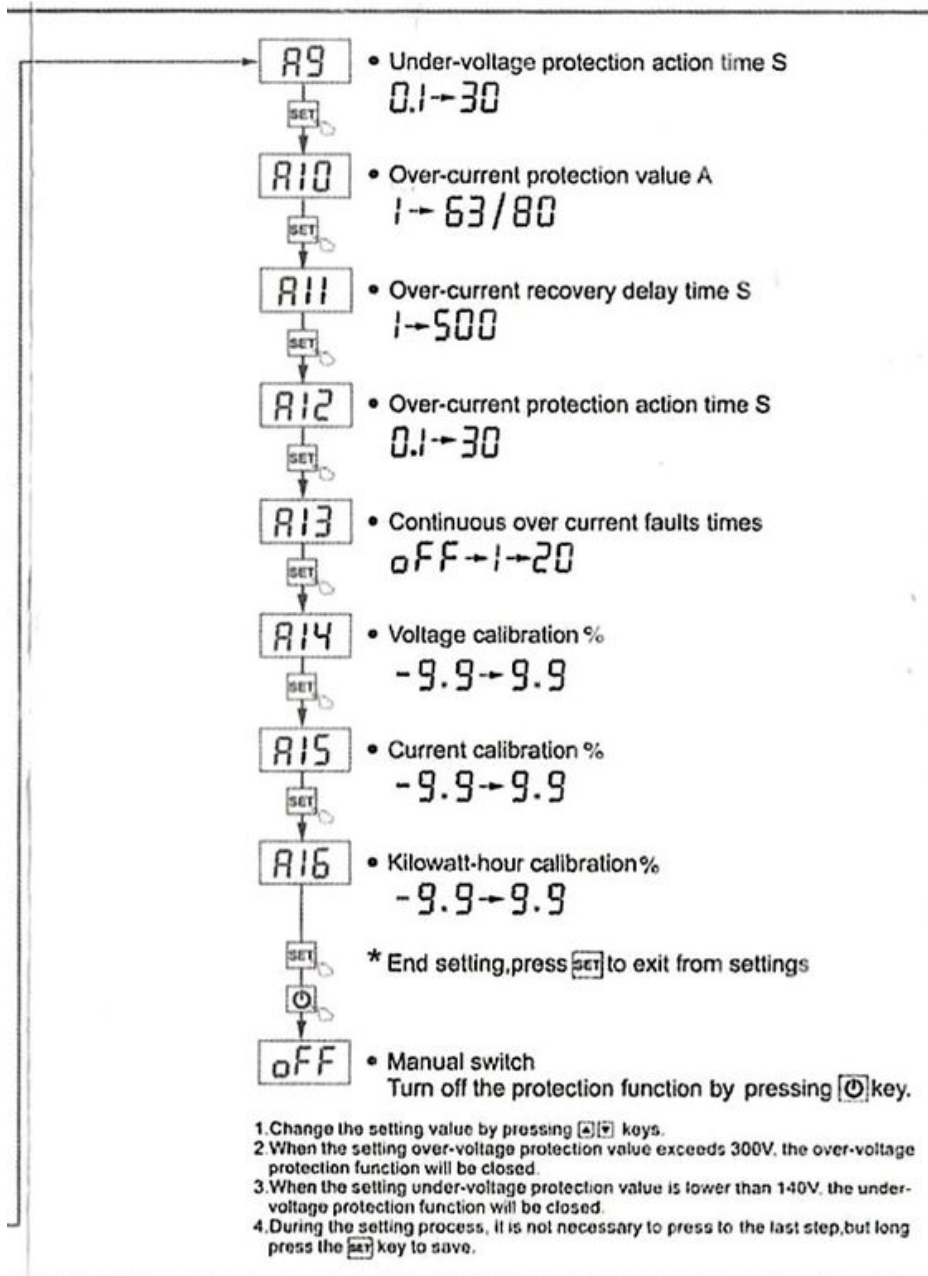
2.5 The protector can display kilowatt-hour and kW.

III. Main technical parameters

Function	Technical Parameter	Function	Technical Parameter
Input voltage	AC 140–300V	Power-on delay time	1–500s default 10s
Over-voltage protection value	230–300V default 270V	Over-voltage recovery value	225–295V default 265V
Under-voltage protection value	140–210V default 170V	Under-voltage recovery value	145–215V default 175V
Over-current protection value	63A:1–63A default 40A	Over-current recovery value	0.5–62.5A
	80A:1–80A default 60A		0.5–79.5A
Recovery delay time	1–500s default 30s	Action time	0.1–30s default 1s
Continuous over current faults times	1–20 times default OFF	Voltage/ current/ kilowatt-hour calibration	–9.9–9.9%
Power consumption	≤2W	Electrical and mechanical life	≥100000cycles
Boundary dimention	86 × 38 × 68MM	Wiring	Over-entering down-out

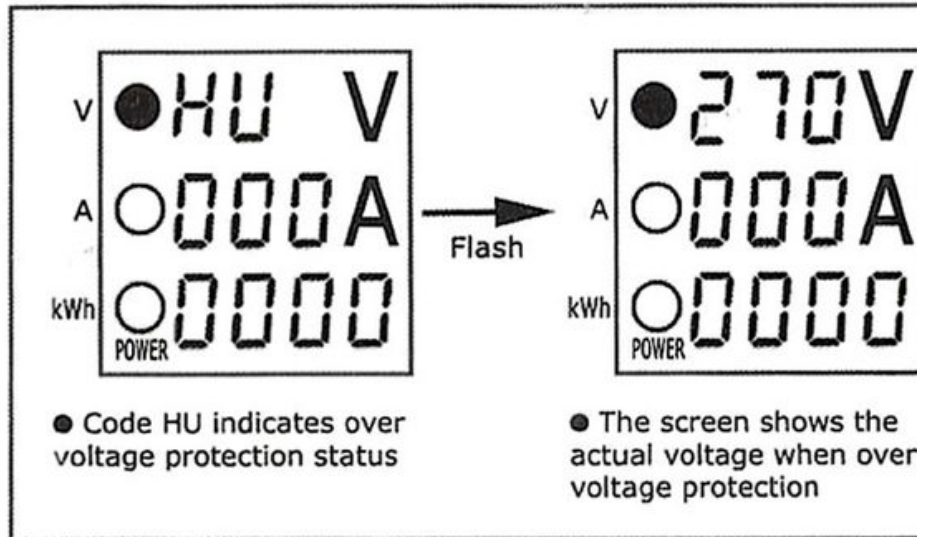
IV. Product setting:



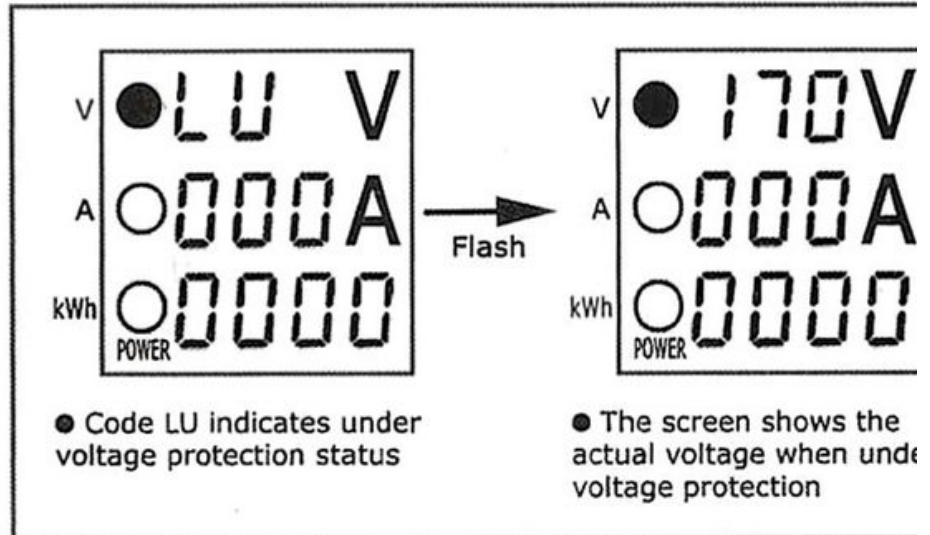


V.Screen display description

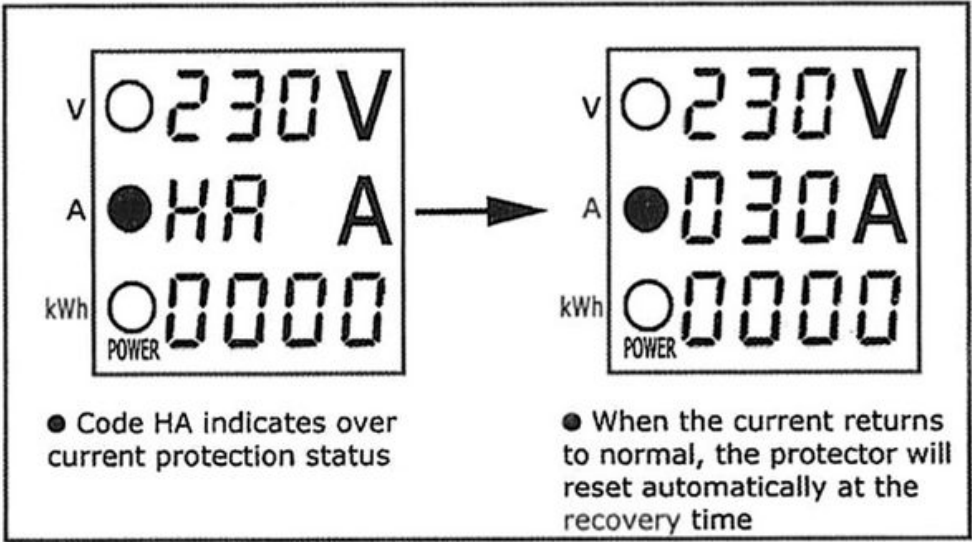
5.1 Over voltage protection status



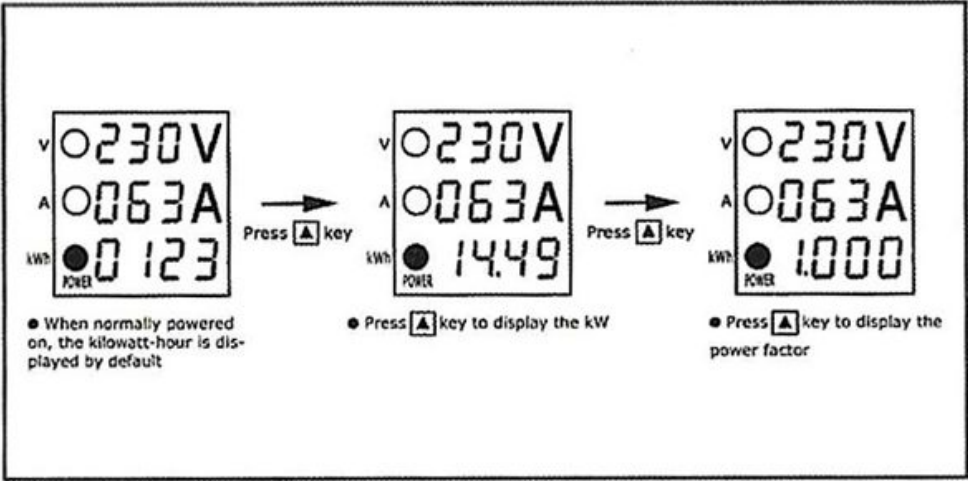
5.2 Under voltage protection status



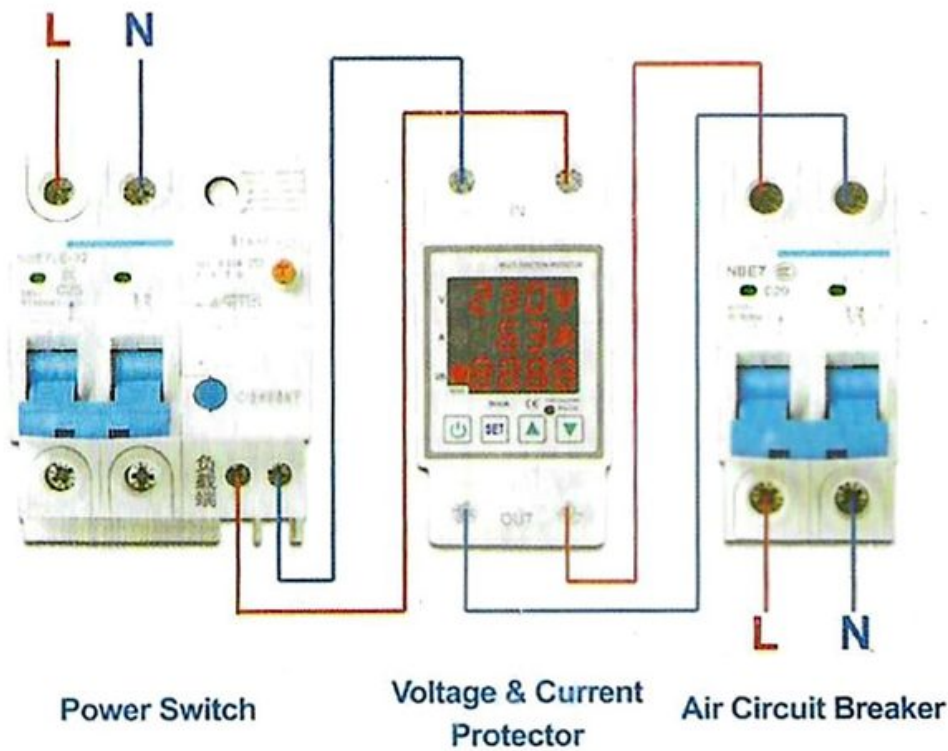
5.3 Over current protection status



5.4 Kilowatt-hour, kW and power factor display switch



VI.Wiring diagram



Adjustable voltage and current protective device with kilowatt-hour meter



Instruction manual