DIGITAL USER GUIDE

Protection, made clear.

Automatic Voltage & Overload Protector · Black 63A model

63A

Live voltage.
Live current.
Adjustable limits.

Single-phase
DIN-rail device

Current P7 default: 0.5 seconds
Voltage trip time remains adjustable from 0.1 to 10 seconds.

For the device supplied **with or without a protective mount**. Identify the AS-OVP-63A marking before use. Have a qualified electrician install and configure the device.

01 / START HERE

A guide you can return to

Use the quick routes below or the PDF bookmarks to find a setting.

Model scope: This is the black 63A product. The generic supplier sheet also mentions 40A and 80A models; those ratings do not apply to this unit.

02 / YOUR DEVICE

Read the front at a glance

Actual product photograph. Button and indicator labels are visible on the unit.

READINGS

Upper display: voltage (V).
Lower display: current (A).
>V: overvoltage.
<V: undervoltage.
>A: overcurrent.
Power: working indication.

CONTROLS

SET: menu selection.
Up / Down: increase or decrease the selected value.
Power: short press for ON / OFF. In OFF state, long press for factory reset (page 12).

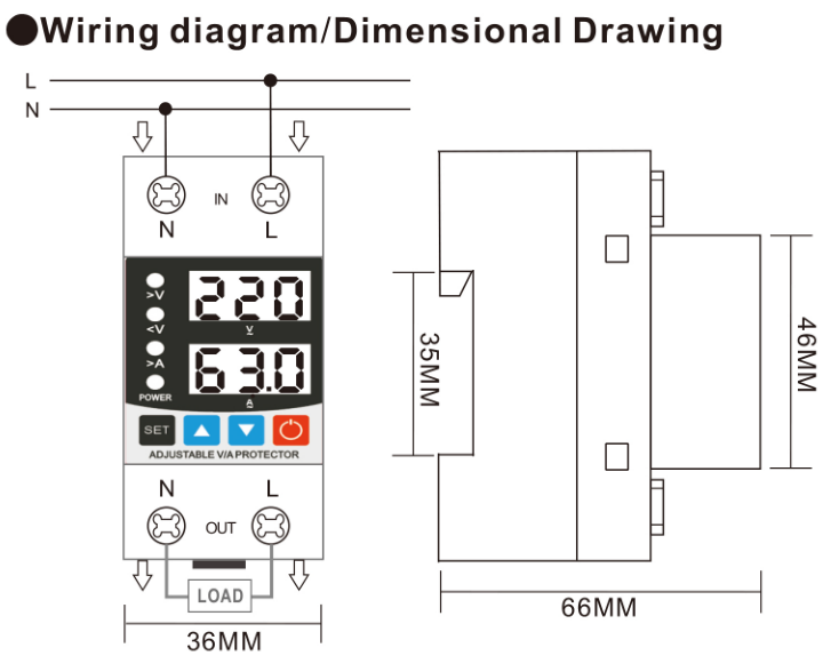
Before changing a setting

Record the existing value first. Exact menu-entry, save/exit and lock/unlock steps require the model-specific procedure. Do not assume another model uses the same key sequence.

03 / INSTALLATION

Check the circuit first

Installation and commissioning must be carried out by a qualified electrician.



IN: supply, at the top.
OUT: load, at the bottom.
N: neutral.
L: live.

Match the terminal markings on the actual unit. The supplier illustration uses different panel artwork.

Installation essentials

Isolate the supply and verify it is de-energised before wiring. Have the electrician assess the connected load, cable capacity and other required circuit protection. The 63A label is not a suitability check for every installation.

With-mount package: the protective enclosure does not change the device rating. Obtain the correct conductor limits, terminal torque, enclosure requirements and commissioning procedure before installation; these are not specified in the supplied sheet.

04 / UNDERSTAND THE SEQUENCE

Trip, recover, reconnect

A trip threshold and a recovery threshold have different jobs.

01

A limit is crossed

Voltage is above P3 or below P5, or current exceeds P9.

02

The trip delay applies

P7 is the voltage trip time: 0.1-10s, default 0.5s. P10 is the separate current trip time.

03

The condition recovers

P4 and P6 define voltage recovery thresholds. Recovery is not simply the same number as the trip limit.

04

The recovery delay passes

P2 sets the recovery waiting time. Automatic reconnection depends on the enabled protection/reset configuration.

P1 is separate: it controls power-on delay when supply returns.
Example from the supplier sheet: an overvoltage threshold of 270V is illustrated with 265V recovery; undervoltage 170V with 175V recovery. These examples are not universal settings for every installation.

05 / SPECIFICATIONS

The technical reference

Supplier technical data, scoped to the AS-OVP-63A black device.

Parameter	Specification
Supply terminals / frequency	N, L / 50-60Hz
Rated supply voltage	AC 80-300V
Overvoltage setting	130-300V
Undervoltage setting	80-210V
Voltage hysteresis	5V
P7 voltage trip time	0.1-10s; current default 0.5s
Voltage accuracy	<1%
Max. operating phase voltage	350V; not the normal supply range
Current rating / P9 range	63A / 1-63A
Altitude	<2000m
Ambient temperature	-25°C to +50°C
Relative humidity	<50% at 40°C, without condensation
Storage temperature	-25°C to +55°C
Net weight (device)	159g, supplier-listed
Device size	81 × 36 × 66mm, supplier-listed

Package distinction: device dimensions and weight do not include the protective mount. Check enclosure clearances against the actual delivered parts.

06 / SETTINGS P1-P7

Power & voltage settings

Use the adjustment ranges below. Choose values to suit the circuit and its appliances.

ID	Purpose	Adjustment	Value reference
P1	Power-on time	1-999s	5s shown
P2	Recovery time	1-999s	30s shown
P3	Overvoltage threshold	130-300V	270V shown
P4	Overvoltage recovery	125-295V	265V shown
P5	Undervoltage threshold	80-210V	170V shown
P6	Undervoltage recovery	85-215V	175V shown
P7	Voltage trip time	0.1-10s	Default 0.5s

P7: current factory default confirmed

The current black model ships with P7 set to 0.5 seconds. Earlier material referring to a 0.1-second default is out of date. The minimum adjustable value remains 0.1 second.

Other reference values in this table are the values illustrated in the supplier sheet. Verify the unit before commissioning. The sheet lists voltage hysteresis as 5V; have the electrician verify acceptable trip/recovery combinations.

07 / SETTINGS P8-P13

Current & measurement settings

These entries are for the installer. Record changes and verify measurements.

ID	Purpose	Adjustment	Reference
P8	Voltage correction	-10% to +10%	Live voltage shown
P9	Overcurrent threshold	1-63A	63.0A shown
P10	Current trip time	0.1-10s	10s shown
P11	Current counter	0-20 times	OFF shown
P12	Current adjustment	-10% to +10%	Live current shown
P13	Frequency adjustment	-2.5% to +2.5%	Do not modify

P13: do not modify

The supplied technical sheet expressly says not to modify the frequency adjustment. Leave it unchanged unless the manufacturer gives model-specific service instructions.

P11: the demonstration describes a repeated overcurrent retry/count function. Confirm the exact counting and reset behaviour for the shipped firmware before configuring it.

P8 / P12: percentage measurement corrections, not absolute voltage or current offsets. Do not adjust them simply to hide an abnormal reading.

08 / SETTINGS P14-P19

Advanced operation

Use these entries only when their effect on the installation is understood.

ID	Purpose	Adjustment	Reference
P14	Fast power-down protection	ON / OFF	ON shown in sheet
P15	Display mode	1 / 2 / 3	1 Standard; 2 Manual; 3 Automatic
P16	Automatic reset	ON / OFF	ON shown
P17	Action	ON / OFF	ON shown
P18	Energy conserving	ON / OFF	OFF shown
P19	Lock	000-999	112 shown; not a universal code

P17 affects protection

The product demonstration describes OFF as bypassing protective action. Do not use it as a way to stop nuisance trips. Investigate the circuit fault and obtain installer guidance.

P15: the demonstration shows standard voltage/current display, manual switching of readings, or automatic cycling.
P18: the demonstration describes reducing display brightness after inactivity.
P19: retain the configured lock information securely. See page 12 for factory reset. A lock-specific unlock procedure is not provided in the supplied sheet.

P14 is shown ON in the sheet, while the older video describes OFF. No factory-default claim is made here for P14.

09 / TROUBLESHOOTING

When something looks wrong

Observe the display and recent conditions before asking for help.

Observation	Next step
No output after power returns	A power-on or recovery delay may be active. Check the displayed supply and selected P1/P2 settings with the installer.
Output disconnects repeatedly	Stop repeated resetting. Have the load, wiring, supply conditions and configured limits checked.
Voltage/current reading seems wrong	Ask an electrician to compare with a suitable reference instrument. Do not change calibration to conceal a circuit problem.
Display dims or readings cycle	Review P18 energy conserving and P15 display mode. These settings can affect presentation without indicating a fault.
A setting cannot be changed or saved	The lock function may be relevant. Do not guess unlock codes; request the correct model-specific procedure.
Enclosure feels too hot, smells burnt or shows damage	Isolate power safely and stop using the unit. Arrange a qualified inspection before it is returned to service.

Have these details ready

Model and SKU, purchase/order reference, a clear photo of the display, selected settings, connected load, and when the problem occurs. Never expose live terminals to take a photo.

Contact amiciKart support

Watch the product demonstration

10 / INSTALLATION RECORD

Keep your configuration

A record for the owner and installer. Write values after successful commissioning.

Installation date / location _____

Installer / contact _____

Product label / batch reference _____

Circuit / connected load _____

Setting	Recorded value	Setting	Recorded value
P1 Power-on delay	_____	P2 Recovery delay	_____
P3 Overvoltage	_____	P4 OV recovery	_____
P5 Undervoltage	_____	P6 UV recovery	_____
P7 Voltage trip time	_____	P9 Current limit	_____
P10 Current trip time	_____	P11 Current counter	_____
P14 Fast power-down	_____	P15 Display mode	_____
P16 Automatic reset	_____	P17 Action	_____
P18 Energy conserving	_____	Lock stored securely	Yes / No

Checked by installer: terminal identification, secure connections, circuit suitability, required protective devices, selected thresholds/delays and functional operation.

Open product information

11 / FACTORY RESET

Restore factory settings

For the black AS-OVP-63A, supplied with or without the protective mount.

USE THE POWER BUTTON

Use the orange Power button on the front of the device. The supplied button reference assigns factory reset to a **long press while the device is in its OFF state**.

Short press: turn ON / OFF.
Long press in OFF state: restore factory settings.

1 / Record your configuration

Before resetting, record the settings you need to retain using the installation record on page 11. Factory reset restores settings; your selected configuration will need checking again.

2 / Switch OFF, then press and hold

If the device is ON, short-press Power to switch it OFF. While it is in the OFF state, press and hold the Power button to restore factory settings.

3 / Check settings before returning to use

Have the installer check the protection limits and delays before switching ON again. The current confirmed P7 default is 0.5 seconds; its adjustment range remains 0.1-10 seconds.

The button reference does not specify a hold duration or a reset-confirmation message. If completion is unclear, contact amiciKart support.

●Technical data

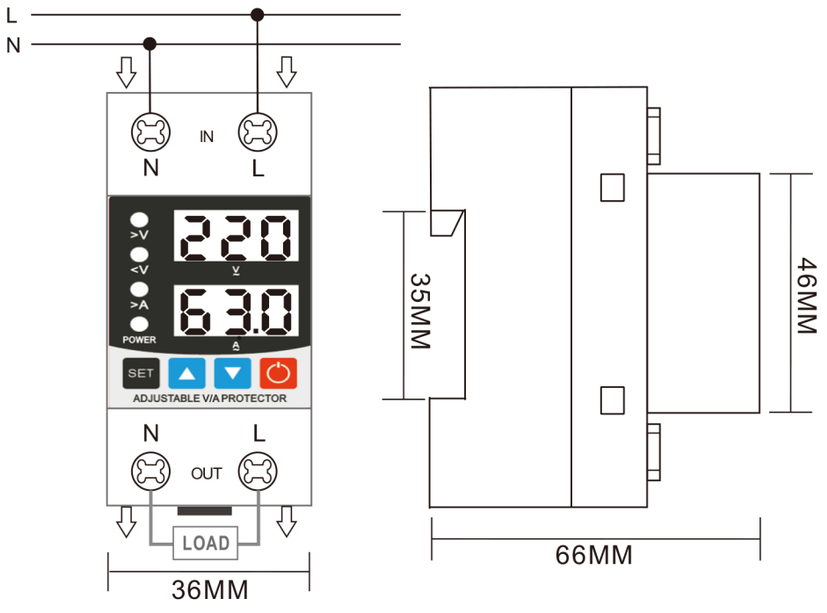
Supply terminals	N,L
Rated supply voltage	AC 80-300V
Rated frequency	50/60Hz
> U setting range	AC130-300V
< U setting range	AC80-210V
Voltage hysteresis	5V
Overvoltage trip delay	0.5s
Voltage accuracy	<1%
Max. operating phase voltage	350V
Max. operating current	40A/63A/80A
Altitude	≤2000m
Ambient temperature	-25℃~+50℃
Permissable relative humidity	≤50% at 40℃（without condensation)
Storage temperature	-25℃~+55℃
Net weight	159g
Size	81*36*66mm

●Front-face panel

>V: Overvoltage Indicator
<V: Underage Voltage
>A: Overcurrent Indicator
POWER : Normal Working Indicator

M Menu selection
▲ Digit+
▼ Digit-
⏻ ON/OFF

●Wiring diagram/Dimensional Drawing



●Setup menu

P-1 Power-on time
5 1s-999s

P-2 recovery time
30 1s-999s

P-3 Over voltage
270 130V-300V

P-4 Over voltage recovery
265 125V-295V

P-5 Under voltage
170 80V-210V

P-6 Under voltage recovery
175 85V-215V

P-7 Voltage trip time
0.5 0.1s-10s

P-8 Voltage Correction
Real-time voltage data -10%~+10%V

P-9 Over current
63.0 1A-63A

P10 Current trip time
1.0 0.1s-10s

P11 Current counter
oFF 0-20 times

P12 Current adjustment
Real-time current data -10%~+10%A

P13 Frequency adjustment
Real-time frequency data Do not modify -2.5%~+2.5%Hz

P14 Fast power down protection
on on/oFF

P15 Displays three modes
1 1:Standard 2:Manual 3:Automatic

P16 Automatic reset
on on/oFF

P17 Action
on on/oFF

P18 Energy conserving
oFF on/oFF

P19 Lock
112 000~999