

Over/under voltage/current Protector



Product Introduction

This intelligent over/under-voltage and current-limiting protector is specifically designed for AC 50Hz/60Hz circuits with a rated voltage of 220V. It is suitable for use with electrical equipment in a wide variety of environments, including homes, schools, businesses, municipal projects, street lighting, farms, rental properties, water pumps, underfloor heating systems, water heaters, and similar settings.

Product Features

1. This product features an LED display that shows real-time grid voltage and current values.
2. Protection parameters—including overvoltage, undervoltage, overcurrent, and time delay—can be configured locally. The device also includes a configuration menu and functions such as one-touch restoration to factory settings. When the product is in the "No Output" (OFF) state, press and hold the ON/OFF button for 5 seconds to restore factory settings.
3. The product also possesses rapid disconnection capabilities; when the overvoltage level reaches 320V or the undervoltage level drops to 110V, the device automatically enters rapid disconnection mode, cutting off the load within 0.1 seconds.

●Setting

No.	Option code	Option	max	min	Default	Step	Unit	Description
1	P-1	Power-on delay	999	1	5	1/10	S	
2	P-2	Recovery delay	999	1	30	1/10	S	
3	P-3	Overvoltage	300	230	270	1/10	V	OFF: Close over voltage
4	P-4	Undervoltage	210	140	170	1/10	V	OFF: Close under voltage
5	P-5	Voltage trip time	10.0	0.1	0.5	0.1/1.0	S	
6	P-6	Overcurrent	16.0	0.2	10.0	0.1	A	OFF : Close over current
7	P-7	Current trip time	10.0	0.1	5	0.1/1.0	S	
8	P-8	Continuous overcurrent counting	20	0	OFF	1	Times	OFF: Turn off counting
9	P-9	Automatic reset	on	off	on			on: Self recovery
								OFF: Manual recovery
10	P-10	Setup lock password	999	000	112	1/10		When this value is not 112, you can only view the parameter and cannot set it

●Front-face panel

> V: Overvoltage Indicator
< V: Undervoltage Indicator
> A: Overcurrent Indicator
POWER : Normal Working Indicator

SET Menu selection
▲ Digit+
▼ Digit-
ON/OFF



Main Technical Specifications

Rated Voltage	220V
Rated Current	10A/16A
Rated Frequency	50/60Hz
Maximum phase voltage	350V
Over/Under voltage recovery	hysteresis 5V
Power Consumption	<2W
Ambient Temperature	-25°Cto 65°C
Humidity	<95%
Installation Method	panel-mount/embedded
Overvoltage Setting	230V–300V, adjustable in 1V steps
Undervoltage Setting	140V-210V adjustable in 1V steps
Overcurrent Setting	0.2A-16A, adjustable in 0.1A steps
Delay Setting	1s–999s, adjustable in 1s steps
Display Accuracy	0.5 class
Min. Current	0.02A

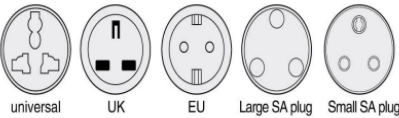
Product dimensions



Adjustable voltage and current protective socket



Socket type



Instruction manual