

# YC7VAs Overvoltage and Undervoltage Protector



## General

The adjustable voltage and current protection device is an intelligent protection device integrating overvoltage protection, undervoltage protection, and overcurrent protection. In the event of an overvoltage, undervoltage, or overcurrent fault, the device automatically disconnects the power supply to protect electrical equipment from damage. The protection parameters for overvoltage, undervoltage, and overcurrent can be set and adjusted by the user according to the actual application requirements.

## Characteristics

The protector automatically disconnects the power supply when an overvoltage, undervoltage, or overcurrent fault occurs in a single-phase circuit. Once the voltage or current returns to the normal operating range, the power supply is automatically restored after the preset delay time.

It effectively suppresses transient overvoltage and protects electrical equipment from malfunction or damage caused by voltage surges.

Equipped with a digital display, the protector provides real-time monitoring of voltage, current and other operating parameters for convenient observation and operation.

## Type designation

YC7VAs

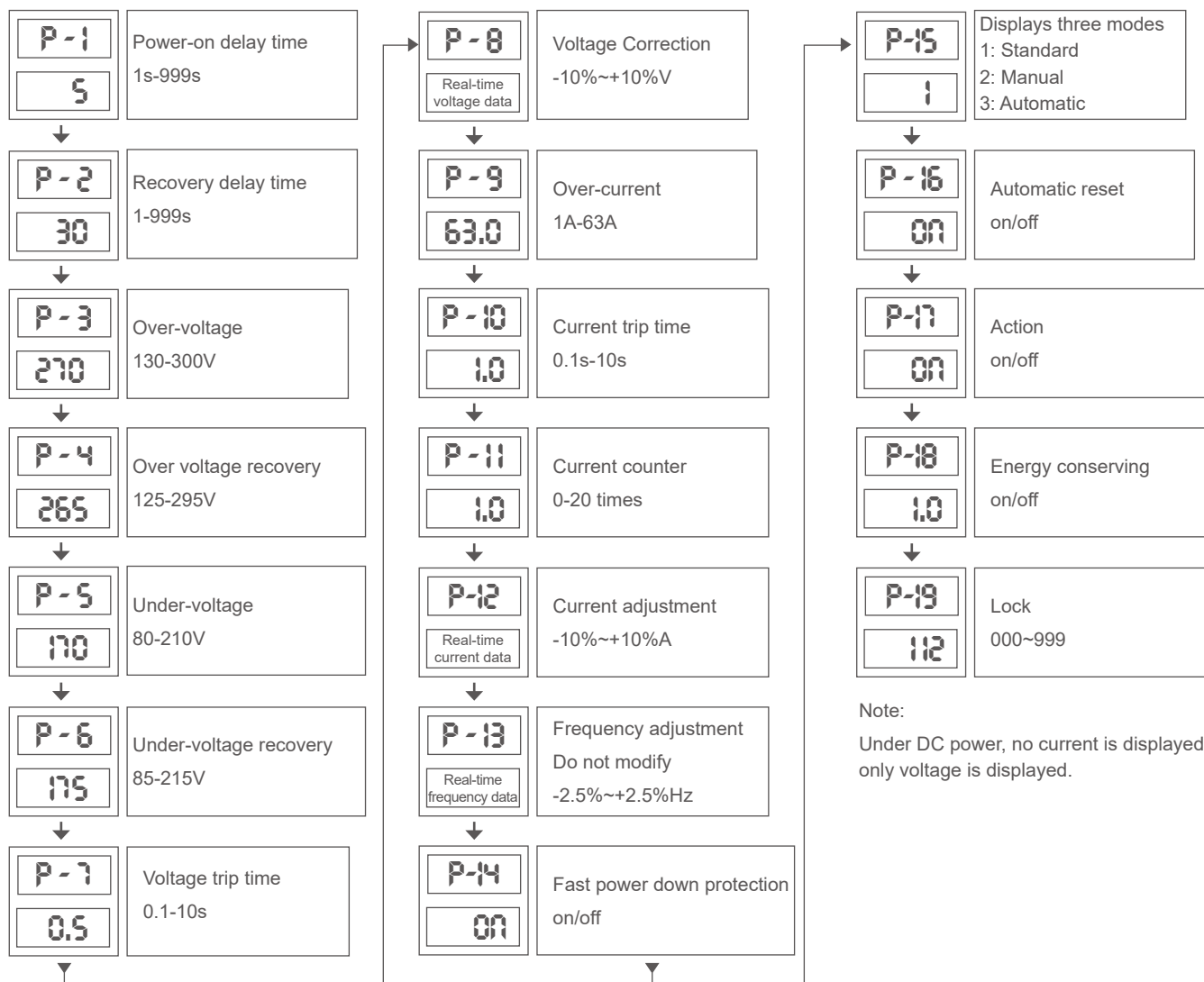
| Company Code | Design Number | Function Type | New Style | Rated Current      | Voltage           |
|--------------|---------------|---------------|-----------|--------------------|-------------------|
| YC           | - 7           | VA            | s         | 63A                | 230V              |
| Company Code | Design Number | Function Type | New Style | 40A:40A<br>63A:63A | Single-phase 230V |

# YC7VAs Overvoltage and Undervoltage Protector

## Technical data

| Function                         | Default Value                       |
|----------------------------------|-------------------------------------|
| Rated supply voltage             | AC 220V / DC 80–300V                |
| Rated frequency                  | 40/50/60/70Hz                       |
| Over-voltage protection setting  | AC130–300V / DC130–300V             |
| Under-voltage protection setting | AC80–210V / DC80–210V               |
| Voltage hysteresis               | 5V                                  |
| Voltage protection trip delay    | 0.5s                                |
| Voltage measurement accuracy     | <1%                                 |
| Maximum operating voltage        | 350V                                |
| Maximum operating current        | 40A / 63A                           |
| Operating altitude               | ≤2000m                              |
| Ambient temperature              | -25°C ~ +50°C                       |
| Relative humidity                | ≤50% at 40°C (without condensation) |
| Storage temperature              | -25°C ~ +55°C                       |
| Dimensions                       | 85 × 36 × 66 mm                     |

## Setup menu

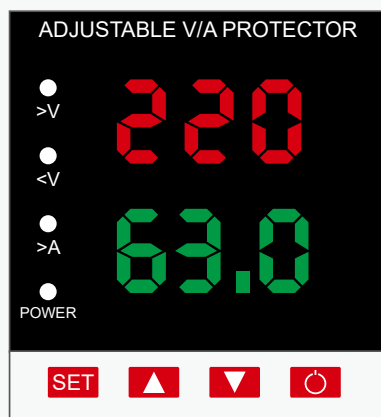


Note:

Under DC power, no current is displayed, only voltage is displayed.

## YC7VAs Overvoltage and Undervoltage Protector

### Front-face panel



>V: Overvoltage Indicator

<V: Under-voltage

>A: Overcurrent Indicator

**POWER:** Normal Working Indicator

SET Menu selection

▲ Digit+

▼ Digit-

⏻ ON/OFF

### Overall and mounting dimensions(mm)

