

# 22mm AC Digital Voltmeter Ammeter LED Indicator

This 22mm LED indicator integrates digital voltmeter and ammeter functionalities. Designed for AC systems, it operates within 50-500V and measures up to 100A.



## Overview

### Dual-Function LED Monitoring

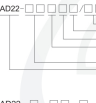
This 22mm square LED indicator combines a digital voltmeter and ammeter into a single compact unit, allowing for real-time monitoring of AC voltage and current. Designed for high reliability and brightness, it serves as a modern, low-consumption replacement for traditional incandescent and neon lamps. Its robust polycarbonate construction and anti-surge performance make it ideal for demanding industrial environments including power distribution, telecommunications, and machinery control.

## Technical Performance


### Use

AD22 series of indicators are used as indicating, foretelling, accident and other signals in the lines of equipment (such as electrical power, telecommunication, machine tool, watercraft, textile, printing and mine machinery, etc).

### Type and meaning

AD22 

Code of voltage  
 "L" means with cable; "C" means fast-connect  
 Resistor-wiring base; "C" means anti-base  
 Auxiliary spec code (shows different type of the same neck size with A, B, C, D)  
 Basic spec code (shown neck size)  
 Type of indicator (approved and issued by Shanghai Electrical Equipment Science and Research Institute, specially used by Kejing Xindall Industries Co., Ltd.)

AD22 

The circuit of connection  
 The shape of head  
 Installation dimension  
 The shape & material of case  
 Type of indicator (approved and issued by Shanghai Electrical Equipment Science and Research Institute, specially used by Kejing Xindall Industries Co., Ltd.)

### Circuit Introduction

(1) AC and DC indicator (AC/DC6V ~ 220V)



Note: It should be considered radiating condition when DC is up to 110V, 220V and 380V, for there is a great of heat.

(2) AC indicator (AC 220V, AC380V)



(3) Return of double-color indicator (DC, AC110 ~ 220V)



Note: When put through X0 and X1, lamp is shining green, when done X0 and X2, lamp is shining red.

Wiring schematics for different indicator types and voltage configurations.

## Measurement Ranges

**500 V AC**

Max Voltage

**100 A**

Max Current

## Electrical Specifications

Parameter	Value
Working Frequency Voltage	2.5kV (AC valid value), 1min
Insulated Resistance	eMI©
Voltage Wave Allowed	±20%
Voltage Range	50V to 500V AC
Current Range	0A to 100A

## Material Properties

- High-intensity polycarbonate lampshade
- Anti-surge performance
- Bolt-type connector for safety
- Long-life LED light source
- Low power consumption

## Physical Design



AD22-22FVA

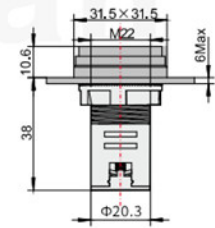
Square  
Voltmeter &  
Ammeter  
pilot light

220V AC

50~500V AC  
0~50A  
50~100A



- Red
  - Yellow
  - Green
  - Blue
  - White
- AD22-22FVA



Detailed dimensions showing the 22mm mounting diameter and 31.5mm square front panel.

## Dimensions & Mounting

Feature	Specification
Mounting Hole Diameter	∅20.3mm
Front Panel Size	31.5 x 31.5mm
Total Length	38mm
Front Part Height	10.6mm
Mounting Thread	M22
Max Panel Thickness	6mm

Available LED Colors

Red, Yellow, Green, Blue, White

## Compliance & Standards

### Certifications

CE • IEC 947-5-1 • EN60947-5-1

## Applications

### Industrial Applications

- Electrical Power Systems
- Telecommunications Equipment
- Machine Tools
- Watercraft & Marine
- Textile & Printing Machinery
- Mining Machinery