

# AD22

## Indicator lamp series

### Brief introduction

AD22-22-25-16 (LED) and AD22-22-25-16-12 (NEON) series of indicator is equally used LED shining chip as light source. Because of long life, low consumption, small volume and light weight, it is a product replaced the older generations XD all kinds of incandescent lamp and indicator of neon lamp by new ones. AD22-25, AD22-22 and AD22-16 indicators produced by our factory have following character: high brightness, good reliability, beautiful shape and careful manufacture. Products are well praised by lots of clients. In order to fit in with quality and aesthetic demand of user, we develop AD22-22B, C, D, E, G, H, double-color lamp, position indicator, shining buzzer and mini short indicator again and use AD22-22G/22GS series button style to design shape, and it is possible to seal all kinds of international standard symbols or make to order ones in lampshade. Lampshade is made of polycarbonate with high intension and has better anti-surge performance, set up bolt-type connector in it, which will be safer and more convenient. All improvement will be provided convenience and perfection for you.

### 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, mine machinery, etc).

### Applicable environment

- 1) Environmental temperature: -25℃ ~ +55℃.
- 2) Relative humidity: ≤ 98%.
- 3) It can normally work under following condition: vibration frequency is 2-80Hz and accelerated speed is 0.7g.
- 4) Pollution grade is 3 and installed sort is III
- 5) There is a "TH" sign, and it is possible to work under the moist tropical environment.

### Main technical data

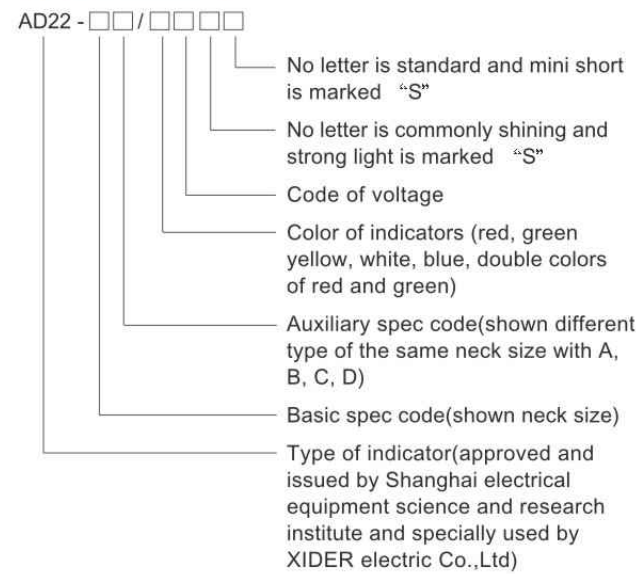
- 1) Voltage of working frequency: 2.5kV(AC valid value), 1 min.
- 2) Insulated resistance ≥ 2MΩ
- 3) Voltage wave allowed by AC indicator ± 20%
- 4) Continual working life ≥ 30000h
- 5) Brightness > 60cd/m<sup>2</sup>
- 6) Index of leakage CT1 ≥ 100
- 7) Protection grade IP65, and it is possible to be made to order IP67
- 8) Using frequency AC50~60Hz

### Contrast list of voltage current and code

Voltage code	21	22	23	24	25	26	27	28	29	30	31	32	
Supply voltage	AC/DC							DC	FD	AC			
Voltage(V)	6	12	24	36	48	110	127	220	380	500	220	380	
Current	140	172	18-72	18	18	16	16	12	12	12	16	17	

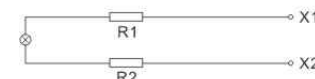
Note: "FD" in the list means a discharging lamp can be installed on the cupboard of capacitor.

### Type and meaning



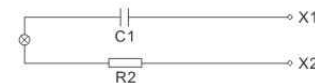
### Circuit direction

- 1) AC and DC indicator (DC, AC6V~DC, AC 220V)

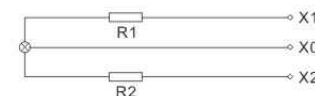


Note: When DC is 110V, 220V and 380V, there is amount of heat, and it should be considered radiating condition.

- 2) AC indicator (AC220V, AC380V)




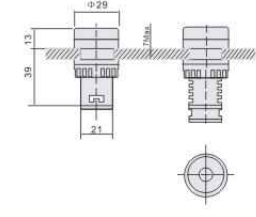

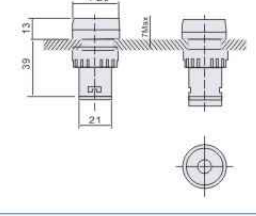

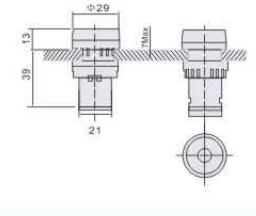

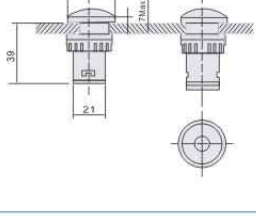

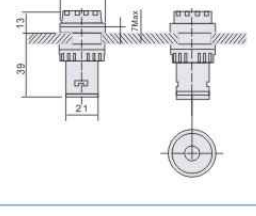

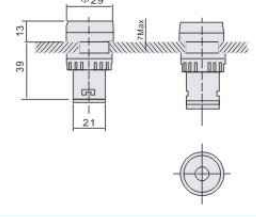

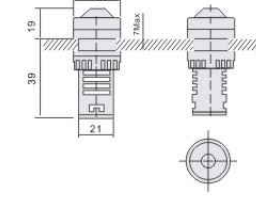
- 3) Return of double-color indicator (DC, AC110V~DC, AC220V)



Note: When put through X0 and X1, lamp gives out a green light, when done X0 and X2, lamp does a red one.

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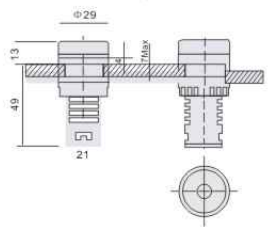

## Indicator lamp series

Indicator	Circuit diagram	Description	Voltage	Color	Type
 AD22-22DS/R (AD16-22DS/R)		Protected LED Indicator	6V AC/DC 12V AC/DC 24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC 220V* AC 380V* AC	Red	AD22-22DS
 AD22-22DS/Y (AD16-22DS/Y)		Protected LED Indicator	6V AC/DC 12V AC/DC 24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC 220V* AC 380V* AC	Yellow	AD22-22DS
 AD22-22DS/G (AD16-22DS/G)		Protected LED Indicator	6V AC/DC 12V AC/DC 24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC 220V* AC 380V* AC	Green(PG) Blue(PB) White(PW)	AD22-22DS
 AD22-22CS/R (AD16-22CS/R)		Protected LED Indicator	6V AC/DC 12V AC/DC 24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC 220V* AC 380V* AC	Red Green Yellow Blue White	AD22-22CS
 AD22-22ES/G (AD16-22ES/G)		Protected LED Indicator	6V AC/DC 12V AC/DC 24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC 220V* AC 380V* AC	Red Green Yellow Blue White	AD22-22ES
 AD22-22BS/B (AD16-22BS/B)		Protected LED Indicator	6V AC/DC 12V AC/DC 24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC 220V* AC 380V* AC	Red Green Yellow Blue White	AD22-22BS
 AD22-22HS/G (AD16-22HS/G)		Protected LED Indicator	6V AC/DC 12V AC/DC 24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC 220V* AC 380V* AC	Red Green Yellow Blue White	AD22-22HS




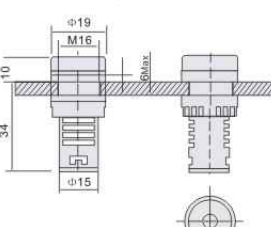

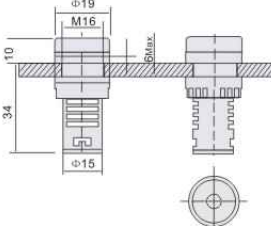


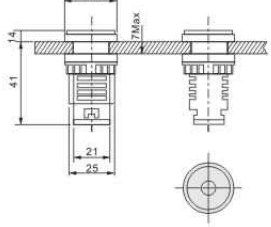

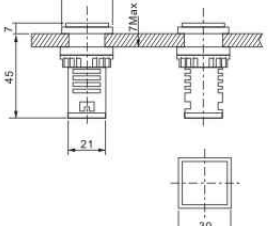

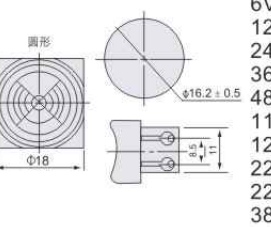
# AD22

Indicator lamp series

Indicator	Circuit diagram	Description	Voltage	Color	Type
 AD22-22D/R (AD16-22D/R)		Protected LED Indicator	6V AC/DC 12V AC/DC 24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC 220V* AC 380V* AC	Red Green Yellow Blue White	AD22-22D
 AD22-22D/Y (AD16-22D/Y)		Protected LED Indicator	6V AC/DC 12V AC/DC 24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC 220V* AC 380V* AC	Red Green Yellow Blue White	AD22-22D
 AD22-22D/W (AD16-22D/W)		Protected LED Indicator	6V AC/DC 12V AC/DC 24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC 220V* AC 380V* AC	Red Green Yellow Blue White	AD22-22D
 AD22-22C/R (AD16-22C/R)		Protected LED Indicator	6V AC/DC 12V AC/DC 24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC 220V* AC 380V* AC	Red Green Yellow Blue White	AD22-22C
 AD22-22E/G (AD16-22E/G)		Protected LED Indicator	6V AC/DC 12V AC/DC 24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC 220V* AC 380V* AC	Red Green Yellow Blue White	AD22-22E
 AD22-22B/R (AD16-22B/R)		Protected LED Indicator	6V AC/DC 12V AC/DC 24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC 220V* AC 380V* AC	Red Green Yellow Blue White	AD22-22B
 AD22-22H/G (AD16-22H/G)		Protected LED Indicator	6V AC/DC 12V AC/DC 24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC 220V* AC 380V* AC	Red Green Yellow Blue White	AD22-22H

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Indicator lamp series

Indicator	Circuit diagram	Description	Voltage	Color	Type
 AD16-16DS/R		Protected LED Indicator	6V AC/DC 12V AC/DC 24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC 220V* AC 380V* AC	Red Green Yellow Blue White	AD16-16DS
 AD16-16DS/Y		Protected LED Indicator	6V AC/DC 12V AC/DC 24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC 220V* AC 380V* AC	Red Green Yellow Blue White	AD16-16DS
 AD16-16D/G		Protected LED Indicator	6V AC/DC 12V AC/DC 24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC 220V* AC 380V* AC	Red Green Yellow Blue White	AD16-16D
 AD22-30DS/B		Protected LED Indicator	6V AC/DC 12V AC/DC 24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC 220V* AC 380V* AC	Red Green Yellow Blue White	AD22-30DS
 AD22-22FD/G		Protected LED Indicator	6V AC/DC 12V AC/DC 24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC 220V* AC 380V* AC	Red Green Yellow Blue White	AD22-22FD
<b>Buzzer light</b>	<b>Circuit diagram</b>	<b>Voltage Rated current</b>	<b>Sound pressure</b>	<b>Color</b>	<b>Type</b>
 AD16-22SM/R		6V AC/DC 12V AC/DC 24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC 220V* AC 380V* AC	200A	75DB	Red AD16-22SM/R Green AD16-22SM/G Yellow AD16-22SM/Y Blue AD16-22SM/B Black AD16-22M/K