



BROCHURE

Button switch/button control box/elevator control box
Signal light/warning light/cable connector/power distribution box

Smidnya
Technologies



AD22

INDICATOR LAMP SERIES

Indicator Lamp

AD22 Indicator Lamp Series

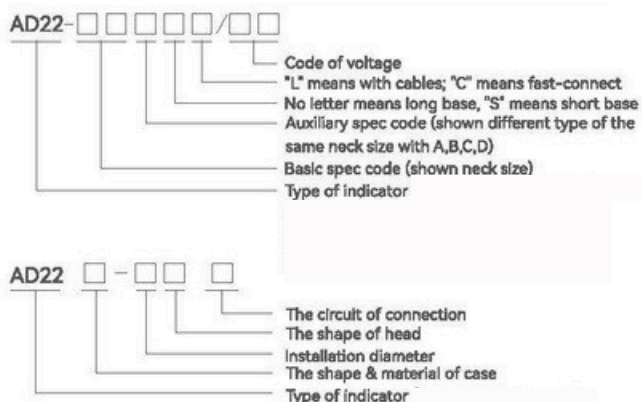
Brief Introduction

AD22(LED) series of indicator is equally used LED shining chip as light source. Because it features with long life, low consumption, small volume and light weight, this new type of product replaced the older incandescent lamp and neon lamp. AD22 indicators are produced by our factory enjoying following characters: high brightness, good reliability, beautiful shape and careful manufactured. Products are well praised by lots of clients. In order to fit in with top 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, and it is possible to meet all kinds of international standard lamp shade, which is made of polycarbonate with high intension and enjoying better anti-surge performance, and bolt-type connector design will make it safer and more convenient. All improvements will be provided for more convenient choice and to make your design perfect.

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



Applicable Environment

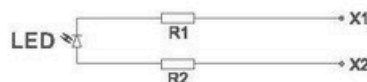
- (1) Surrounding temperature: $-25^{\circ}\text{C} \sim +55^{\circ}\text{C}$.
- (2) Relative humidity: $\leq 98\%$.
- (3) It can normally work under the conditions of 2-80Hz vibration frequency and 0.7g/h accelerated speed.
- (4) Pollution grade: III; Installation sort: III.
- (5) It is possible to work under hygrothermal environment if there is a "TH" sign.

Main Technical Target

- (1) PF voltage : 2.5kV(AC valid value), 1min.
- (2) Insulation resistance $\geq 2\text{M}\Omega$
- (3) Voltage fluctuation allowed by AC indicator $\pm 20\%$
- (4) Continuous working life $\geq 30000\text{h}$
- (5) Brightness $\geq 60\text{cd/m}^2$
- (6) Index of leakage $Ct1 \geq 100$
- (7) Protection grade is IP40, and it is possible to be made to up to IP67
- (8) Using frequency: AC 50 ~ 60 Hz

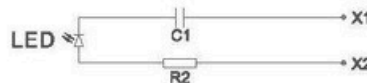
Circuit Introduction

- (1) AC and AC/DC indicator (AC/DC 6V ~ 220V)

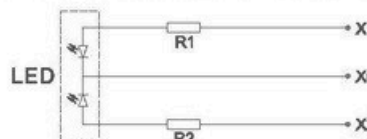


Note: The elimination of heat should be considered because the temperature will go up when DC is up to 110V, 220V and 380V.

- (2) AC indicator (AC220V, AC380V)



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



Note: When we power X0 and X1, lamp is shining green, when we power X0 and X2, lamp is shining red.

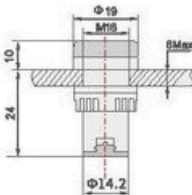
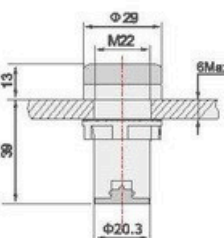
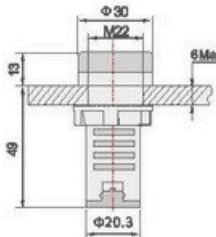
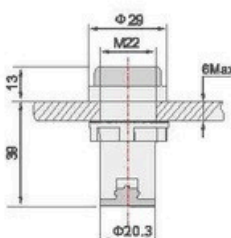
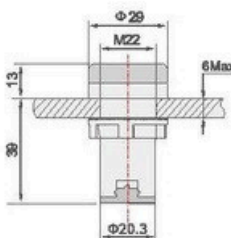
Contrast List of Voltage, Current

Supply Voltage	AC/DC							DC	FD			AC	
Voltage	6V	12V	24V	36V	48V	110V	127V	220V	380V	500V		220V	380V
Current	140	72	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. PG denotes pure green, PB denotes pure blue. PW denotes pure white

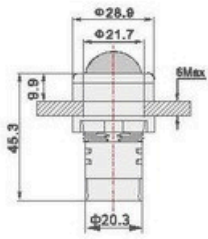
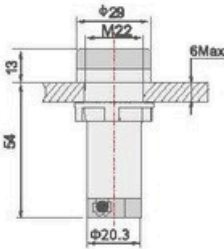
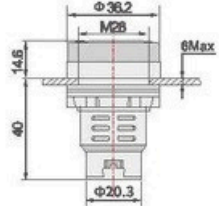
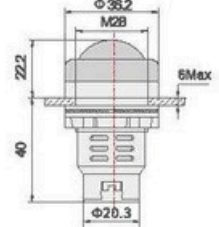
Indicator Lamp

AD22 Indicator Lamp Series

Indicator	Description	Voltage	Color	Type	Contour
 AD22-16DS	Protected LED Indicator	24V AC/DC	● Red	AD22-16DS	
		36V AC/DC	● Yellow		
		48V AC/DC	● Green		
		110V AC/DC	● Blue		
		220V AC	○ White		
		380V AC			
 AD22-22DS	Protected LED Indicator	24V AC/DC	● Red	AD22-22DS	
		36V AC/DC	● Yellow		
		48V AC/DC	● Green		
		110V AC/DC	● Blue		
		220V AC	○ White		
		380V AC			
 AD22-22D	Protected LED Indicator	24V AC/DC	● Red	AD22-22D	
		36V AC/DC	● Yellow		
		48V AC/DC	● Green		
		110V AC/DC	● Blue		
		220V AC	○ White		
		380V AC			
 AD22-22ES	Protected LED Indicator	24V AC/DC	● Red	AD22-22ES	
		36V AC/DC	● Yellow		
		48V AC/DC	● Green		
		110V AC/DC	● Blue		
		220V AC	○ White		
		380V AC			
 AD22-22CS	Protected LED Indicator	24V AC/DC	● Red	AD22-22CS	
		36V AC/DC	● Yellow		
		48V AC/DC	● Green		
		110V AC/DC	● Blue		
		220V AC	○ White		
		380V AC			

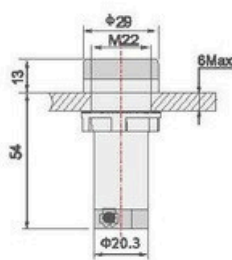
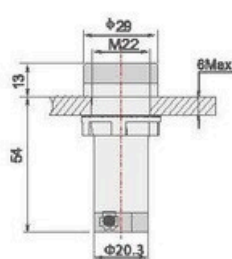
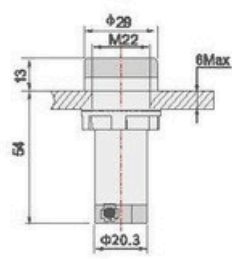
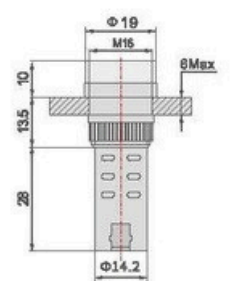
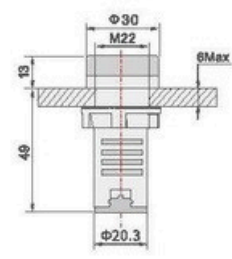
Indicator Lamp

AD22 Indicator Lamp Series

Indicator	Description	Voltage	Color	Type	Contour
	Protected LED Indicator	24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 220V AC 380V AC	● Red ● Yellow ● Green ● Blue ○ White	AD22-22AS	
	Protected LED Indicator	24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 220V AC 380V AC	● Red ● Yellow ● Green ● Blue ○ White	AD22-22DSE	
	Protected LED Indicator	24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 220V AC 380V AC	● Red ● Yellow ● Green ● Blue ○ White	AD22-30DS	
	Protected LED Indicator	24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 220V AC 380V AC	● Red ● Yellow ● Green ● Blue ○ White	AD22-30AS	
	Indicator wrench Φ16			AD22E-PH16	
	Indicator wrench Φ22			AD22E-PH22	

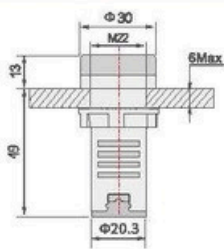
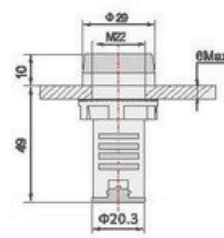
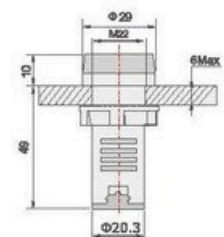
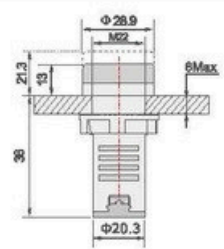
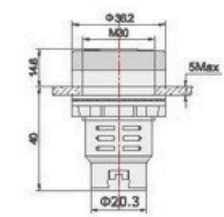
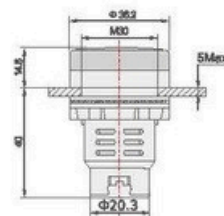
Indicator Lamp

AD22 Indicator Lamp Series

Indicator	Description	Voltage	Color	Type	Contour
	Protected LED Indicator	110V AC/DC 220V AC/DC 380V AC/DC	 Red & Green  Red & Blue	AD22-22DRG AD22-22DRB	
AD22-22DRG					
	Protected LED Indicator	110V AC 220V AC 380V AC		AD22-22DRS	
AD22-22DRS					
	Protected LED Indicator	110V AC 220V AC 380V AC	 	AD22-22DRY AD22-22DRE	
AD22-22DRY					
	Protected LED Indicator Buzzer	24V AC/DC 36V AC/DC 48V AC/DC 110V AC 220V AC	 Red  Black	AD22-16MSD AD22-16MFD	
AD22-16MSD					
	Buzzer	24V AC/DC 36V AC/DC 48V AC/DC 110V AC 220V AC		AD22-22MFD	
AD22-22MFD					

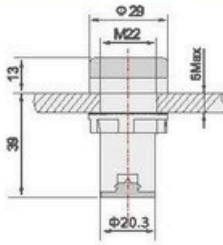
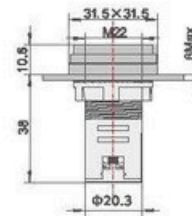
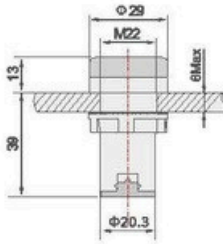
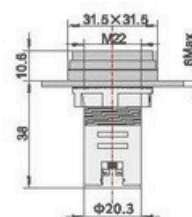
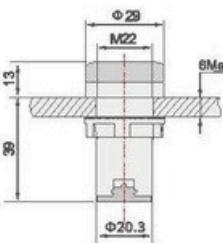
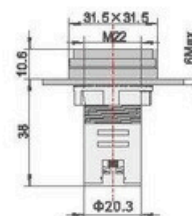
Indicator Lamp

AD22 Indicator Lamp Series

Indicator	Description	Voltage	Color	Type	Contour
	Protected LED Indicator Buzzer	24V AC/DC 36V AC/DC 48V AC/DC 110V AC 220V AC	Red	AD22-22MSD	
	Protected LED Indicator Buzzer	24V AC/DC 36V AC/DC 48V AC/DC 110V AC 220V AC	Red	AD22-22MSB	
	Buzzer	24V AC/DC 36V AC/DC 48V AC/DC 110V AC 220V AC	Black	AD22-22MFB	
	Protected LED Indicator Buzzer	24V AC/DC 36V AC/DC 48V AC/DC 110V AC 220V AC	Red Black Red Black	AD22-22MSN AD22-22MFN AD22-22MSN/H AD22-22MFN/H	
	Buzzer	24V AC/DC 36V AC/DC 48V AC/DC 110V AC 220V AC	Black	AD22-30MFD	
	Protected LED Indicator Buzzer	24V AC/DC 36V AC/DC 48V AC/DC 110V AC 220V AC	Red	AD22-30MSD	

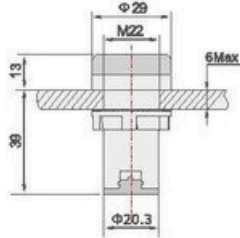
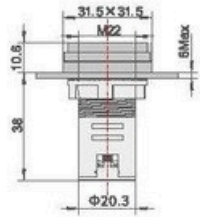
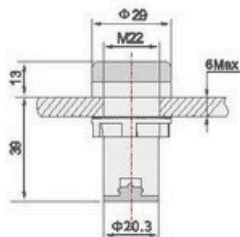
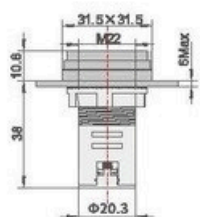
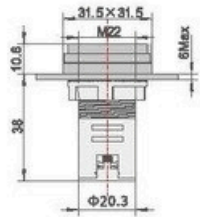
Indicator Lamp

AD22 Indicator Lamp Series

Indicator	Description	Voltage	Color	Type	Contour	
	Round Voltmeter Pilot light	50~500V AC		 Red  Yellow  Green  Blue  White	AD22-22DSV	
	Square Voltmeter Pilot light	50~500V AC		 Red  Yellow  Green  Blue  White	AD22-22FSV	
	Round Ammeter Pilot light	220V AC 0~50A 50~100A		 Red  Yellow  Green  Blue  White	AD22-22DSA	
	Square Ammeter Pilot light	220V AC 0~50A 50~100A		 Red  Yellow  Green  Blue  White	AD22-22FSA	
	Round Hz Pilot light	220V AC 0~80Hz		 Red  Yellow  Green  Blue  White	AD22-22DHZ	
	Square Hz Pilot light	220V AC 0~80Hz		 Red  Yellow  Green  Blue  White	AD22-22FHZ	

Indicator Lamp

AD22 Indicator Lamp Series

Indicator	Description	Voltage	Color	Type	Contour
 AD22-22DSC	Round Thermometer Pilot light	220V AC -20~200°C	 - Red - Yellow - Green - Blue - White	AD22-22DSC	
 AD22-22FSC	Square Thermometer Pilot light	220V AC -20~200°C	 - Red - Yellow - Green - Blue - White	AD22-22FSC	
 AD22-22DVA	Round Voltmeter & Ammeter pilot light	220V AC 50~500V AC 0~50A 50~100A	 - Red - Yellow - Green - Blue - White	AD22-22DVA	
 AD22-22FVA	Square Voltmeter & Ammeter pilot light	220V AC 50~500V AC 0~50A 50~100A	 - Red - Yellow - Green - Blue - White	AD22-22FVA	
 AD22-22FVAH	Square Volt. & Amp. & Hz. Pilot light	220V AC 50~500V AC 0~50A 50~100A 0~80Hz	 - Red - Yellow - Green - Blue - White	AD22-22FVAH	
 AD22-22FVAC	Square Volt. & Amp. & Temp. Pilot light	220V AC 50~500V AC 0~50A 50~100A -20~200°C	 - Red - Yellow - Green - Blue - White	AD22-22FVAC	