



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

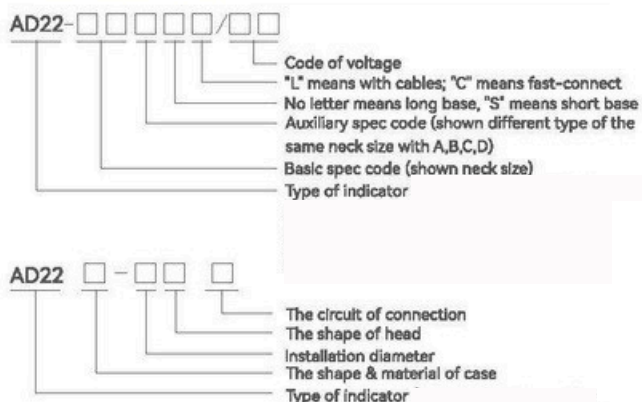
Brief Introduction

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

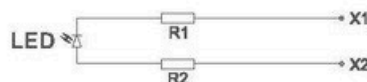
- (1) Surrounding temperature: $-25^{\circ}\text{C} \sim +55^{\circ}\text{C}$.
- (2) Relative humidity: $\leq 98\%$.
- (3) It can normally work under the conditions of 2-80Hz vibration frequency and 0.7g/h accelerated speed.
- (4) Pollution grade: III; Installation sort: III.
- (5) It is possible to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

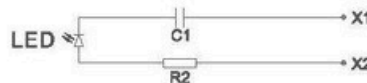
Circuit Introduction

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

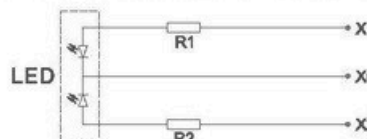


Note: The elimination of heat should be considered because the temperature will go up when DC is up to 110V, 220V and 380V.

- (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.

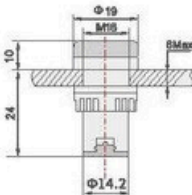
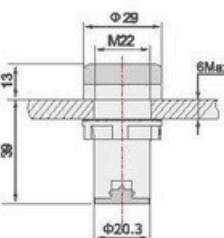
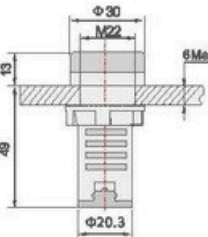
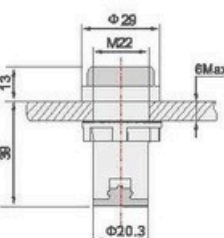
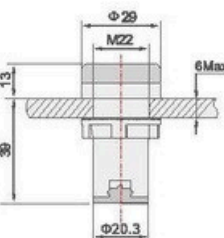
Contrast List of Voltage, Current

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

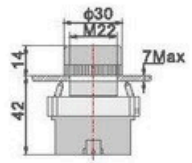
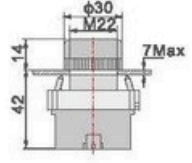
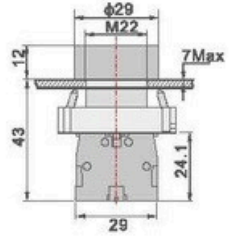
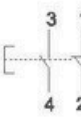
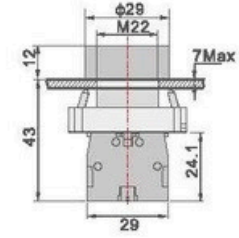
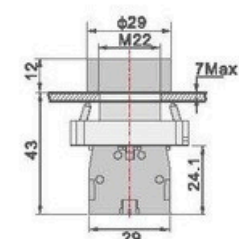
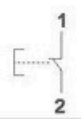
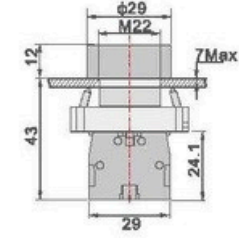
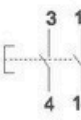
Indicator Lamp

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			

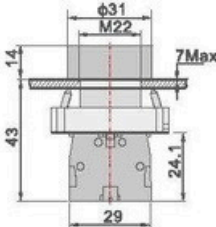
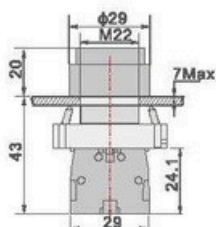
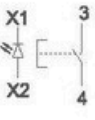
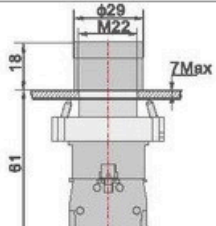
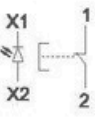
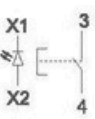
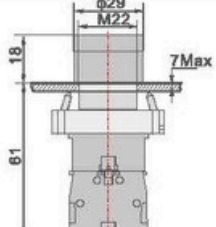
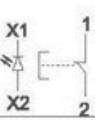
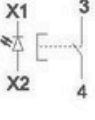
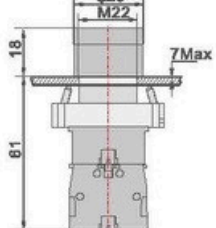
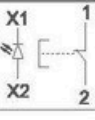
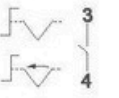
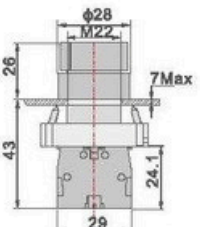
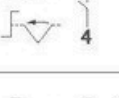
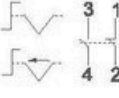
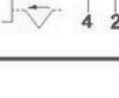
Push button

LAY5 Push Button Series

Push button	Description	Contact	Circuit	Color	Type	Contour
 LAY5-BV63	Pilot light 130V 220~240V 50~60Hz			 White	LAY5-BV61	
				 Green	LAY5-BV63	
				 Red	LAY5-BV64	
				 Yellow	LAY5-BV65	
				 Blue	LAY5-BV66	
 LAY5-BV74	Pilot light 130V 220~240V 50~60Hz			 White	LAY5-BV71	
				 Green	LAY5-BV73	
				 Red	LAY5-BV74	
				 Yellow	LAY5-BV75	
				 Blue	LAY5-BV76	
 LAY5-BA31	Flush push button Spring return	N/O		 White	LAY5-BA11	
				 Black	LAY5-BA21	
				 Green	LAY5-BA31	
				 Yellow	LAY5-BA51	
				 Blue	LAY5-BA61	
		N/C		 Red	LAY5-BA42	
 LAY5-BA45	Flush push button Spring return	N/O+N/C		 Black	LAY5-BA25	
				 Green	LAY5-BA35	
				 Yellow	LAY5-BA55	
				 Blue	LAY5-BA65	
				 Red	LAY5-BA45	
 LAY5-BA3351	Flush push button Spring return Marked	N/O		 Green	LAY5-BA3311	
				 Green	LAY5-BA3361	
				 White	LAY5-BA3341	
				 Black	LAY5-BA3351	
				 Green	LAY5-BA5331	
		N/C		 Black	LAY5-BA5321	
				 Red	LAY5-BA4322	
				 Red	LAY5-BA4342	
 LAY5-BA6373	Flush push button Spring return Marked	N/O		 Blue	LAY5-BA6371	
		N/O+N/O		 Blue	LAY5-BA6373	

Push button

LAY5 Push Button Series

Push button	Description	Contact	Circuit	Operation/Color	Type	Contour
 LAY5-BP31	Flush push button Spring return Booted IP65	N/O		○ White LAY5-BP11 ● Black LAY5-BP21 ● Green LAY5-BP31 ● Yellow LAY5-BP51 ● Blue LAY5-BP61		
		N/C		● Red LAY5-BP42		
 LAY5-BL4322	Projecting Push button Spring return Marked	N/O		● Green LAY5-BL3311 ■ Green LAY5-BL3361 ⊕ White LAY5-BL3341 ● Black LAY5-BL3351		
		N/C		● Red LAY5-BL4322 ● Red LAY5-BL4342		
 LAY5-BW3361	Illuminated Flush push button Spring return	N/O 220~240V		○ White LAY5-BW3161 ● Green LAY5-BW3361 ● Yellow LAY5-BW3561 ● Blue LAY5-BW3661		
		N/C		● Red LAY5-BW3462		
 LAY5-BW3371	Illuminated Flush push button Spring return	N/O 220~240V		○ White LAY5-BW3171 ● Green LAY5-BW3371 ● Yellow LAY5-BW3571 ● Blue LAY5-BW3671		
		N/C		● Red LAY5-BW3472		
 LAY5-BPW3361	Illuminated Flush push button Spring return Booted IP65	N/O 220~240V		○ White LAY5-BPW3161 ● White LAY5-BPW3171 ● Green LAY5-BPW3361 ● Green LAY5-BPW3371 ● Yellow LAY5-BPW3561 ● Yellow LAY5-BPW3571 ● Blue LAY5-BPW3661 ● Blue LAY5-BPW3671		
		N/C		● Red LAY5-BPW3462 ● Red LAY5-BPW3472		
 LAY5-BD21	Standard Handle Selector Switch	N/O		2-position stay put LAY5-BD21		
				2-position spring return LAY5-BD41		
		N/O+N/C		2-position stay put LAY5-BD25		
				2-position spring return LAY5-BD45		