



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

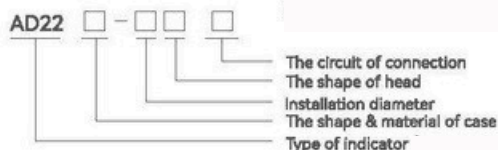
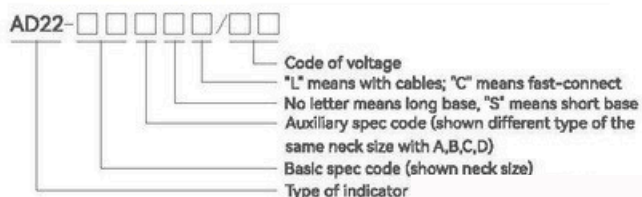
Brief Introduction

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

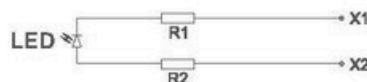
- (1) Surrounding temperature: $-25^{\circ}\text{C} \sim +55^{\circ}\text{C}$.
- (2) Relative humidity: $\leq 98\%$.
- (3) It can normally work under the conditions of 2-80Hz vibration frequency and 0.7g/h accelerated speed.
- (4) Pollution grade: III; Installation sort: III.
- (5) It is possible to 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 $\text{Ct}1 \geq 100$
- (7) Protection grade is IP40, and it is possible to be made to up to IP67
- (8) Using frequency: AC 50 ~ 60 Hz

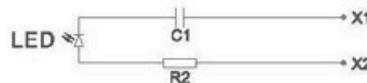
Circuit Introduction

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

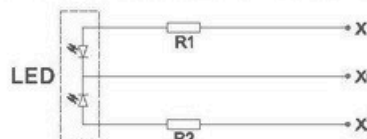


Note: The elimination of heat should be considered because the temperature will go up when DC is up to 110V, 220V and 380V.

- (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

Push button head

LAY5 Push Button Series

Parts	Description	Color	Type
	Emergency Stop head Turn to release	Black	Φ30 LAY5-ES42
		Red	Φ30 LAY5-ES44

LAY5-ES44

	Emergency Stop head Turn to release	Black	Φ40 LAY5-ES52
		Red	Φ40 LAY5-ES54

LAY5-ES54

	Emergency Stop head Spring return	Black	Φ30 LAY5-EC24
		Green	Φ30 LAY5-EC34
		Red	Φ30 LAY5-EC44
		Black	Φ40 LAY5-EC2
		Green	Φ40 LAY5-EC3
		Red	Φ40 LAY5-EC4

LAY5-EC4

	Emergency Stop head Push-pull	Black	Φ40 LAY5-ET2
		Red	Φ40 LAY5-ET4

LAY5-ET4

	Emergency Stop head Spring return	Black	Φ60 LAY5-ER2
		Green	Φ60 LAY5-ER3
		Red	Φ60 LAY5-ER4

LAY5-ER4

	Emergency Stop head Turn to release	Black	Φ60 LAY5-ES62
		Red	Φ60 LAY5-ES64

LAY5-ES64

	Double-headed push button head 1 flush green marked I 1 flush red marked O IP40		LAY5-EB83
	Double-headed push button head with boot 1 flush green marked I 1 flush red marked O IP40	Green White Red	LAY5-EB93

LAY5-EB83

	Double-headed push button head 1 flush green marked I 1 projecting red marked O IP40		LAY5-EB84
	Double-headed push button head with boot 1 flush green marked I 1 projecting red marked O IP65	Green White Red	LAY5-EB94

LAY5-EB84

	Illuminated double-head Push button head 1 flush green Marked I 1 flush red Marked O 1 central pilot light	Green Yellow Red	LAY5-EBW83
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LAY5-EBW83

	Illuminated double-head Push button head 1 flush green Marked I 1 projecting Red marked O 1 central pilot light	Green Yellow Red	LAY5-EBW84
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LAY5-EBW84

	Double-headed push button head 1 flush green marked I 1 flush red marked O IP40		LAY5-EL83
	Double-headed push button head with boot 1 flush green marked I 1 flush red marked O IP65	Green Red	LAY5-EL93

LAY5-EL83

	Double-headed push button head 1 flush green marked I 1 projecting red marked O IP40	Green	LAY5-EL84
	Double-headed push button head with boot 1 flush green marked I 1 projecting red marked O IP65	Red	LAY5-EL94

LAY5-EL84

	Illuminated double-head Push button head 1 flush green Marked I 1 flush red Marked O 1 central pilot light	Green Yellow Red	LAY5-EW83
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LAY5-EW83

	Illuminated double-head Push button head 1 flush green Marked I 1 projecting Red marked O 1 central pilot light	Green Yellow Red	LAY5-EW84
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LAY5-EW84

Push button head

LAY5 Push Button Series

Parts	Description	Color	Type
	Pilot light Head	○ White	LAY5-BV01
		● Green	LAY5-BV03
		● Red	LAY5-BV04
		● Yellow	LAY5-BV05
		● Blue	LAY5-BV06
LAY5-BV04			

	Flush Push button Head	● Black	LAY5-BA2
		● Green	LAY5-BA3
		● Red	LAY5-BA4
		● Yellow	LAY5-BA5
		● Blue	LAY5-BA6
LAY5-BA3			

	Flush Push button Head Marked	— Green	LAY5-BA331
		= Green	LAY5-BA336
		① White	LAY5-BA334
		ⓘ Black	LAY5-BA335
		Ⓢ Red	LAY5-BA432
		STOP Red	LAY5-BA434
		START Green	LAY5-BA533
LAY5-BA432			

	Flush Push button Head Marked	ⓘ Blue	LAY5-BA637
LAY5-BA637			

	Flush Push button Head Booted	● Black	LAY5-BP2
		● Green	LAY5-BP3
		● Red	LAY5-BP4
		● Yellow	LAY5-BP5
		● Blue	LAY5-BP6
LAY5-BP3			

	Projecting Push button Head	● Black	LAY5-BL2
		● Green	LAY5-BL3
		● Red	LAY5-BL4
		● Yellow	LAY5-BL5
		● Blue	LAY5-BL6
LAY5-BL3			

	Projecting Push button Head Marked	— Green	LAY5-BL331
		= Green	LAY5-BL336
		① White	LAY5-BL334
		ⓘ Black	LAY5-BL335
		Ⓢ Red	LAY5-BL432
		STOP Red	LAY5-BL434
LAY5-BL432			

	Illuminated Flush Push button Head	● Green	LAY5-BW13
		● Red	LAY5-BW14
		● Yellow	LAY5-BW15
		● Blue	LAY5-BW16
		● Green	LAY5-BW33
		● Red	LAY5-BW34
		● Yellow	LAY5-BW35
		● Blue	LAY5-BW36
LAY5-BW34			

	Selector switch head Standard handle	LAY5-BD2
	2 Position stay put	LAY5-BD3
	3 Position stay put	LAY5-BD4
	2 Position spring return	LAY5-BD5
	3 Position spring return	LAY5-BD5
LAY5-BD2		

	Selector switch head Long handle	LAY5-BJ2
	2 Position stay put	LAY5-BJ3
	3 Position stay put	LAY5-BJ4
	2 Position spring return	LAY5-BJ5
	3 Position spring return	LAY5-BJ5
LAY5-BJ2		

	Illuminated Selector Switch head Standard handle, 3-position stay put	● Green	LAY5-BK33
		● Red	LAY5-BK34
		● Yellow	LAY5-BK35
LAY5-BK34			

	Illuminated Selector Switch head Standard handle 2-position stay put	● Green	LAY5-BK23
		● Red	LAY5-BK24
		● Yellow	LAY5-BK25
LAY5-BK23			

Push button head

LAY5 Push Button Series

Parts	Description	Color	Type
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Emergency
Stop head
Turn to release

Black	Φ30	LAY5-BS42
Red	Φ30	LAY5-BS44

LAY5-BS44



Emergency
Stop head
Turn to release

Black	Φ40	LAY5-BS52
Red	Φ40	LAY5-BS54

LAY5-BS54



Emergency
Stop head
Push-pull

Black	Φ40	LAY5-BT2
Red	Φ40	LAY5-BT4

LAY5-BT4



Emergency
Stop head
Spring return

Black	Φ30	LAY5-BC24
Green	Φ30	LAY5-BC34
Red	Φ30	LAY5-BC44
Black	Φ40	LAY5-BC2
Green	Φ40	LAY5-BC3
Red	Φ40	LAY5-BC4

LAY5-BC4



Emergency
Stop head
Spring return

Black	Φ60	LAY5-BR2
Green	Φ60	LAY5-BR3
Red	Φ60	LAY5-BR4

LAY5-BR4



Emergency
Stop head
Turn to release

Black	Φ60	LAY5-BS62
Red	Φ60	LAY5-BS64

LAY5-BS64

Parts	Description	Color	Type
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Emergency
Stop head
Key release

Black	Φ40	LAY5-BS12
Red	Φ40	LAY5-BS14

LAY5-BS14



Key switch head

2 Position stay put	LAY5-BG2
2 Position spring return	LAY5-BG3
3 Position stay put	LAY5-BG4
3 Position spring return	LAY5-BG5

LAY5-BG2



Double-headed push button head
1 flush green marked I
1 flush red marked O
IP40

Green

Red

LAY5-BL83

Double-headed Push-button head with boot
1 flush green marked I
1 flush red marked O
IP65

LAY5-BL93

LAY5-BL83



Double-headed push button head
1 flush green marked I
1 projecting red marked O
IP40

Green

Red

LAY5-BL84

Double-headed push-button head with boot
1 flush green marked I
1 projecting red marked O
IP65

LAY5-BL94

LAY5-BL84



Illuminated double-headed
Push button head
1 flush green
Marked I
1 flush red
Marked O
1 central pilot light

Green

Yellow

Red

LAY5-BW83

LAY5-BW83



Illuminated double-headed
Push button head
1 flush green
Marked I
1 projecting
Red marked O
1 central pilot light

Green

Yellow

Red

LAY5-BW84

LAY5-BW84