

## Ad16 Series Pilot Lamp

### Product Overview

Ad16 series pilot lamp only use LED lamp as the light source. The advantage have: long life, gentle weight, small cubage, save energy. It is the advanced product of all kinds of the incandescence lamp and the neon lamp of the XD type. The cover of the lamp is made of PC material, and have good shock resistance. It can be used as indication pilot light, accident signal and other signals in the circuits of such equipment as telecommunication.

### Specifications

- Electrical Life  $\geq 30000$  hours
- Permitted Voltage  $\pm 20\%$  ( $\geq 110V$ )
- Dielectric Strength:  $2.5kV(AC\ RMS)$ ,  $1\ min$
- Usage Frequency (AC):  $50 \sim 60Hz$
- Rated Operating Current:  $\leq 20mA$
- Brightness:  $\geq 100cd/m^2$
- Comparative Tracking Index  $CT1 \geq 100$ , flame retardant
- Insulation Resistance:  $U_i \leq 60V, 5M\Omega$ ;  $60V < U_i \leq 660V, 50M\Omega$
- Light Color: red, green, yellow, white, blue, orange

### Implication of Type

AD16 — ★ ■ □ / △ / ▲ / ● / ◎									
Code of series	The installation dimension of the neck; 16: Φ16mm 22: Φ22mm	The design code (A,B,C…… express different type of the same neck dimension) M buzzer S flicker SM flicker buzzer SS Dual- color lamp	S expresses the super short type, the standard type is without letter.	Color of pilot lamp: R red G green Y yellow O orange W white B blue	Voltage	K expresses anti-interference type, the normal type is without letter.	Protective Degree: P IP65 No letter means IP40		

### Diagram of Interior Connection


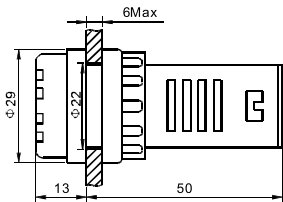

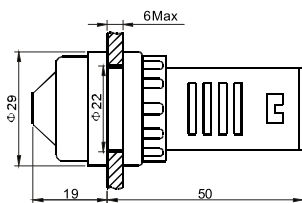

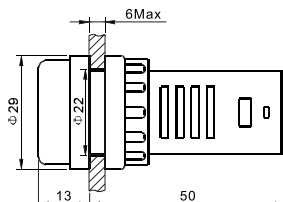

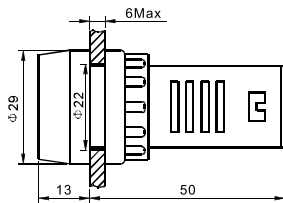
	AC/DC Type Pilot Lamp	AC Type Pilot Lamp	AC/DC Type Dual-color Lamp	AC Type Dual-color Lamp
Normal Type				
			Red: X1-X0 Green: X2-X0 (Yellow: X1-X2)	Red: X1-X0 Green: X2-X0
Anti-interference Type				
			Red: X1-X0 Green: X2-X0 (Yellow: X1-X2)	Red: X1-X0 Green: X2-X0

Note: 1. AC/DC type pilot lamp is resistor step-down form; AC type pilot lamp is capacitor step-down form.

2. When voltage is 110V or above it, The temperature of outer shell of AC/DC type pilot lamp is higher than AC type pilot lamp.

### Attentions

- The frequency of AC type pilot lamp is  $50 \sim 60Hz$ . If work in other frequency ranges, it will be broken.
- The common threshold value of anti-interference pilot lamp is below  $40V$ ; and if you need higher threshold value please tell us.  
We suggest that the threshold value shouldn't be too high. Please check the routing if the interference voltage is too high.
- Connection error is not allowable to AC type dual-color light, otherwise pilot lamp will be broken.
- Avoid using welding mode to connect lines as possible and you should using general plug ( $2.5 \times 0.8mm$ ) to connect and wear the protective sleeve.  
If you need to weld, please finish it in 3 seconds by the electric iron which is below  $30W$  and don't exert external force on terminals.

Shape	Type Number	Color	Operating Voltage	Shape & Dimensions	Remarks
Φ22E 	AD16-22E /△/▲/●	<div>R</div> <div>G</div> <div>Y</div> <div>O</div> <div>B</div> <div>W</div>	AC/DC 6V AC/DC 12V AC/DC 24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 220V AC/DC 380V AC 110V AC 220V AC 380V		<ul style="list-style-type: none"> <li>⊙ Screw Type Connection</li> <li>⊙ Electric Shock Protection Structure</li> <li>⊙ Anti-interference type can be customized.</li> </ul>
Φ22H 	AD16-22H /△/▲/●	<div>R</div> <div>G</div> <div>Y</div> <div>O</div> <div>B</div> <div>W</div>			<ul style="list-style-type: none"> <li>⊙ 380,220 are the special use for capacitor frame to leak electric.</li> <li>⊙ Screw Type Connection</li> <li>⊙ Electric Shock Protection Structure</li> <li>⊙ Anti-interference type can be customized.</li> </ul>
Φ22 Two-color Pilot Lamp 	AD16-22SS /△/▲/●	<div>R</div> <div>G</div>			<ul style="list-style-type: none"> <li>⊙ Screw Type Connection</li> <li>⊙ Electric Shock Protection Structure</li> <li>⊙ Anti-interference type can be customized.</li> <li>⊙ Other color types can be customized.</li> </ul>
Φ22 Flicker Buzzer 	AD16-22M/▲	Buzzer			Sound Intensity: Volume ≥80 dB(10cm) Continuous Buzz Incontinuous Buzz Ie≤35mA
	AD16-22S/▲	Flicker Lamp			
	AD16-22SM/▲	Flicker Buzzer			