Panel Actuators and Indicators Type PL 22 **Buzzer and Flashing Buzzer**







- Ø 22mm (Ø0.87") dimension
- Buzzer
- Interrupted sound
- Flashing type
 AC and DC voltage
- cULus and CE
- IEC/EN 60947-5-1, IEC/EN 60073, IEC/EN 60529, UL 508

Product description

Pilot lights and Buzzer are mounted device assemblies consisting of the housing, an internal lamp or buzzer, terminals, and a cover. Applications include industrial control panels of all types, equipment indicator panels, status alarm indicator.

The buzzer volume is 95dB @ 10cm (3.94"), the current is 20mA.

Approvals







Technical data

Rated imp. withstand voltage U _{imp}	2500VAC 50Hz 1min.			
Rated insulation Voltage U _i	500VAC			
Allowable voltage fluctuation	±20%			
Continuous operating life	≥100.000h			
Ultrahigh brightness	≥100cd/m² (≥9.29ftc)			
Applying frequency	50-60Hz			
Current consumption (AC/DC)	15-20mA			
Sound volume	95dB @ 10cm (3.94")			
Operating temperature	-25 to +70°C (-13 to +158°F			
Storage	-30 to +80°C (-22 to +176°F)			
Degree of protection	IP 40			

Ordering key PL 225 BZ R 24* Series Dimension Type Colour Voltage.

* Not all configurations available – see page 6 for complete list

Dimension and style

22S = Ø22mm (Ø0.87") standard size

Types

BZ = Buzzer

FBZ= Flashing buzzer

Colours

R = Red only for FBZ type

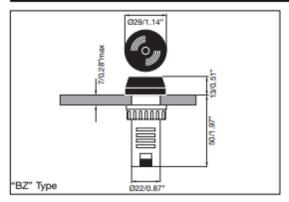
K = Black only for BZ type

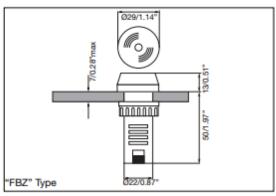
Voltages

12 = 12VAC/DC 24 = 24VAC/DC 110 = 110VAC/DC

220A = 220VAC

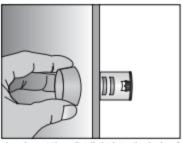
Dimensions mm/inches



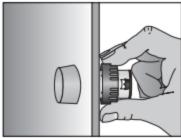




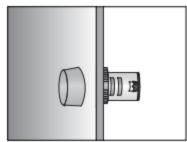
Mounting



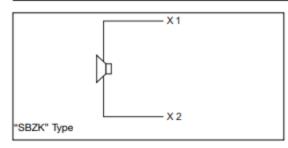
Just insert the pilot light into the hole of the pannel.

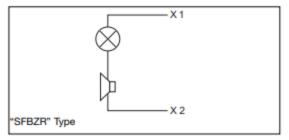


The pilot light will be secured at the The pilot light has been installed. back by the plastic nut



Wiring Diagram





Wiring Notes

- Use 60°C or 75°C copper (CU) conductor and wire size range 18AWG, stranded or solid.
 Terminal tightening torque 0.6Nm (5.3in.lb)
- Recommended external fuse listed or R/C fuses, Supplemental (JDYX, JDYX2) rated 3A mmaximum.



Assembling and Mounting

It come easy to get a complete product. Just to choose the operator, the holder, the lamp element if illuminated function is required and the contact block (up to 3).



Operator





Holder







Contact block



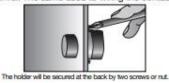
Bezel Push Button with LED and 1NO+1NC

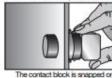
To install it, the only tool needed is a screwdriver. The same used to wiring the contact block can be used to fix the push-button.

Lamp element











Accessories for Panel Actuators



Sealing cover IP67

Always on the head of operators, waterproof and dust, IP67.

Silicon rubber

PA SEAL COV



Protection cover

Always on the head of button, prevent strike and mistaking operation. Lockable.

PA PB COV



Mounting ring Ø22mm (0.87")

Installed on plastic panel to strengthen

PA MR 22

Reducing ring for Pilot Light Ø22mm (0.87")

To mount the Ø22mm (0.87") pilot light into the hole for Ø25mm (0.98")or Ø30mm (1.18") of the panel.

Ø30mm/Ø1.18" PA RR 3



Fastering connector for Pilot Light Ø22mm (0.87")

Improve the quality of installation and PC reduce the time of installations.

PA PL CONN



Label frame

Hang it on the push button or pilot light, for symbol or text explanation.

10mm/0.39" 18mm/0.71"

PA LBF 11 PA LBF 18



Warning plate

Ø60mm/Ø2.36" PA WP 6 For emergency stop push buttons. ABS Ø90mm/Ø3.54" PA WP 9 Thickness 1.5mm/0.059'



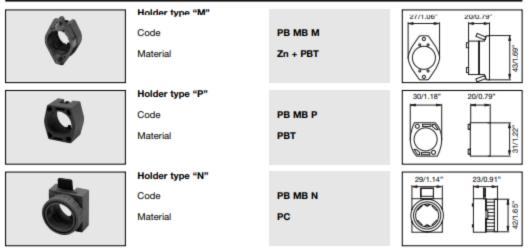
Panel hole cap Ø22mm (0.87")

For blocking up prepared or useless holes on the panels.

PA PHC 22



Holders



Lamp Element



Ordering key PALAMP R 220A* Type Colour Voltage

* Not all configurations available – see page 6 for complete list

Approvals



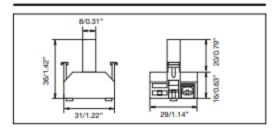


RoHS

Voltage

110 = 110VAC/DC 12 = 12VAC/DC 24 = 24VAC/DC 220A = 220VAC

Dimensions mm/inches



Colours

R = Red Y = Yellow W = Clear/White G = Green B = Blue

Technical data

Rated imp. withstand voltage Uimp	2500VAC 50Hz 1min.				
Rated insulation Voltage U _i	500VAC				
Allowable voltage fluctuation	±20%				
Continuous operating life	≥100.000h				
Ultrahigh brightness	≥100cd/m² (≥9.29ftc)				
Applying frequency	50-60Hz				
Current consumption (AC/DC)	≤18mA				
Operating temperature	-25 to +70°C (-13 to +158°F)				
Storage temperature	-30 to +80°C (-22 to +176°F)				

Wiring Notes

- Use 60°C or 75°C copper (CU) conductor and wire size range 18AWG, stranded or solid.
- Terminal tightening torque 0.6Nm (5.3in.lb)
- 3) Recommended external fuse listed or R/C fuses, Supplemental (JDYX, JDYX2) rated 3A mmaximum.

Panel Actuators and Indicators Type PA2 Contact Block





Product description

Switching element equipped with two independent elements. Available in different switching configurations. Pole and throw

pole single throw (SPST) or double pole single throw (DPST).

Elements can be snapped to configurations can be single each other on the bottom, up to 3.

Approvals







Technical data

Contact resistance	≤ 50m Ω
Travel	5.8 ± 0.2mm (2.28" ± 0.08")
Rated insulation Voltage U _i	660VAC/DC (acc. to IEC 60947-5-1)
	600VAC/DC (acc. to UL508)
Rated imp. withstand voltage U _{imp}	2500VAC 50Hz 1min.
Minimum switching power	
Min Current	100mA
Min Voltage	24V
Switch housing	PC
Contact parts	Cu
Contact material	
Standard	Hard silver
Optional	Gold/silver
Optional for aggressive atmospheres	Silver/palladium
Operating temperature	-25 to +70°C (-13 to +158°F)
Storage temperature	-30 to +80°C (-22 to +176°F)

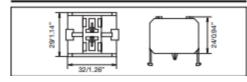
Terminals

Screw terminals Max. section sigle-core wire Max. section stranded wire Copper conductor wire

2 x 2.5mm² (0.004sq.inch) 2 x 1.5mm² (0.002sq.inch) 14 AWG @ 60°C or 75°C CU conductor 1.2Nm (10.6in.lb.)

Terminal tightening torque

Dimensions mm/inches



High switching power Double switch

- Industrial applications
- 10A switching capacity
 Up to 500VAC
- Modular mounting (up to 3 elements)
- Screw terminals
- High reliability
 cULus and CE
- According to EN ISO 13850 (only NC slow action)
 IEC/EN 60947-5-1, IEC/EN 60947-5-5, UL 508

* Not all configurations available – see page 6 for complete list

Ordering key	PA 2 110 / 1*
Type —	\neg \top \top
Number of contacts ——— Contact code ———	
Options (1 = Snap action — 2 = Slow action with	n forced opening NC contact)

Contact code

Contact configuration	Contact code
2 NO contacts (DPST)	200
2 NC contacts (DPST)	020
1 NC contact (SPST)	010
1 NO contact (SPST)	100
1 NC + 1 NO contacts (DPST)	110

Contact characteristics

Contact Rating AC1	10A @ 25	OVAC	
Contact Rating		AC15	DC13
(acc. to IEC 60947-5-1)	@ 24V	10A	6A
	@ 110V	A8	1A
	@ 220V	6A	0.5A
	@ 380V	4A	-
	@ 500V	2.5A	-
AC Contact Rating (acc. to UL 508)		A600	B600
B600 (all snap codes)	@ 120V	6A	3A
A600 (all slow codes)	@ 240V	3A	1.5A
	@ 480V	1.5A	0.75A
	@ 600V	1.2A	0.6A
DC Contact Rating (acc. to UL 508)		Q600	Q300
Q600 (all snap codes)	@ 125V	0.55A	0.55A
Q600 (100, 200 slow codes)	@ 250V	0.27A	0.27A
Q300 (010, 020, 110 slow codes)	@ 480V	0.10A	-
	@ 600V	0.10A	-

1	E G	- H - H		Maximum current, amperes (acc. to UL508)						Maximum		
ı	900	E STATE	120V		24	240V 480V		OV	600V		volt-amperes	
ı	O 문용	E # 0 #	Make	Break	Make	Break	Make	Break	Make	Break	Make	Break
ı	A600	10	60	6.00	30	3.00	15	1.5	12	1.2	7200	720
ı	B600	5	30	3.00	15	1.50	7.50	0.75	6	0.6	3600	360
1	affor affor	18 to 18		Maximum current, amperes (acc. to UL508)					Maxi	mum		
1	200	100		-	an cun	ent, an	peres	(acc. to	GESGG	,	voit-ar	nperes
ı	Corted Co design	Ther curre Arres	_	125V			OV OV	_	01 to 6		volt-ar @ 30 le	nperes OV or ss
	0600 5000	Confinal Confinal Confinal	_		1		OV	_		00V	volt-ar @ 30 le	_

Wiring diggram

trining an	ag. a	
2NO 14	2NC 1	1NC
1NO 13	1NO+1NC] [