



**LAY 5 METAL BODY PUSH BUTTON - 22MM SERIES**



**PUSH BUTTON**  
RED / GREEN / YELLOW/  
BLUE / WHITE



**SELECTOR**  
2P / 3P



**EMERGENCY**



**MUSHROOM**



**KEY SELECTOR**



**KEY EMERGENCY**



**INDICATOR WITH BUZZER**



**DOUBLE HEAD**

**LA38 PUSH BUTTON SWITCHES - 22MM**



**PUSH BUTTON**  
RED / GREEN /  
YELLOW / BLUE / WHITE



**SELECTOR**  
2P / 3P



**EMERGENCY**



**LUMINOUS PB**

**LAY-5 PLASTIC PUSH BUTTON SWITCHES - 22MM**



**PUSH BUTTON**  
RED / GREEN /  
YELLOW / BLUE / WHITE



**SELECTOR**  
2P / 3P



**EMERGENCY**



**SELECTOR SWITCH  
WITH LIGHT**

**TB 5 PUSH BUTTON SWITCHES - 22MM**



**PUSH BUTTON**  
RED / GREEN /  
YELLOW / BLUE / WHITE



**SELECTOR**  
2P / 3P



**EMERGENCY**



**LUMINOUS PB**

**LAY-7 PUSH BUTTON SWITCHES - 22MM**



**PUSH BUTTON**  
RED / GREEN /  
YELLOW / BLUE / WHITE



**SELECTOR**  
2P / 3P



**EMERGENCY**



**MUSHROOM**



**LED LIGHT TYPE "OZ37"**



■ RED



■ GREEN



■ YELLOW



■ BLUE



■ WHITE

**VOLT METER, AMP METER & FREQUENCY METER**



■ VOLT INDICATOR



■ AMP METER



■ VOLT + AMP METER



■ FREQUENCY METER

**SIGNALLING & CONTROL DEVICES – 16MM SERIES - [PUSH BUTTONS]**

Available in 24V DC / 220V AC ,5 Pin (1 NO + 1 NC) / 8 Pin (2NO + 2NC)  
Lockable / Spring Return - Red / Green / Yellow / Blue / White



■ SELECTOR



■ KEY SELECTOR



■ EMERGENCY



■ LED BUZZER



■ ROUND



■ ROUND



■ ROUND



■ RECTANGLE



■ RECTANGLE



■ RECTANGLE



■ RECTANGLE



■ SQUARE



■ SQUARE



■ SQUARE

**MONO LEVER SWITCH**

OZPA 12	22m	2 Pole	Lockable
OZPA 22	22m	2 Pole	Spring Return
OZPA 14	22m	4 Pole	Lockable
OZPA 24	22m	4 Pole	Spring Return



OZCS 2011	30m	2 Pole	Lockable
OZCS 201	30m	2 Pole	Spring Return
OZCS 4022	30m	4 Pole	Lockable
OZCS 402	30m	4 Pole	Spring Return



**MOTOR SIRENS**

\*available in 12V DC / 24V DC / 110V AC / 220V AC



■ OZ MS - 190



■ OZ MS - 290



■ OZ MS - 390



■ OZ MS - 490

**BUZZER TYPE "OZPS/N"**

\*available in 12V DC / 24V DC / 220V AC

- OZ PS - 25
- OZ PS - 30
- OZ PN - 80 (Triangle)
- OZ P - 80 (Square)





## OZO 16MM PUSHBUTTON TYPE OZ16

OZO 16MM Pushbuttons Features include snap action, double throw contacts, reliable low level switching. for such applications as PLC inputs, logic level switching, or anywhere space is at a premium.

Offered in three styles (round, square, or rectangular), all units are terminated via .110 quick connect / solder tabs. LED illumination includes a built-in current limiting resistor, and gasketed lenses provide an IP65 watertight / oiltight panel seal. Models include illuminated and non-illuminated pushbuttons, pilot lights, selectors, key switches.

### **Key Features:**

Super bright LED Illumination, Momentary, Maintained, Selector, Key, Pilot Light, reliable low level switching, IP40 (dustproof) or IP65 (oiltight) versions, .110in solder/quick connect termination

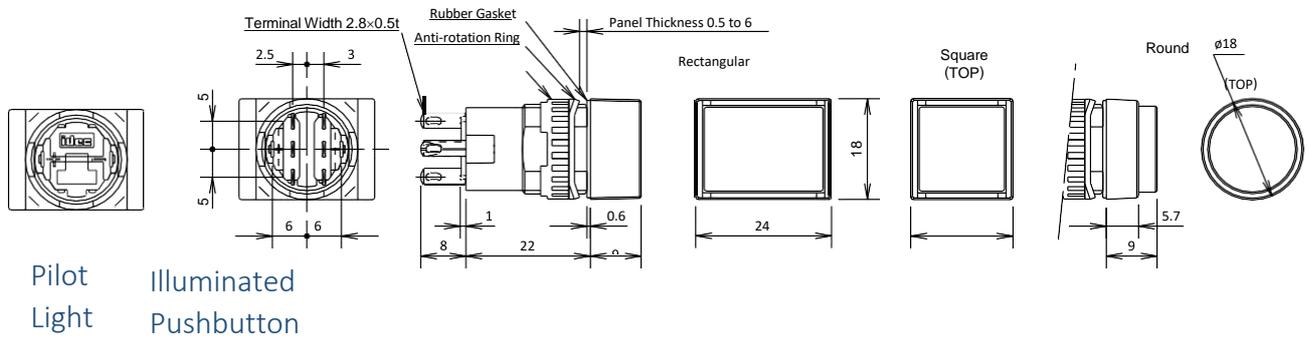


# OZL16 MINIATURE SWITCHES AND LIGHTS

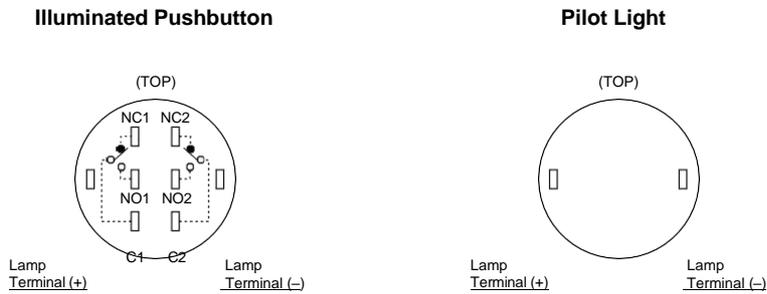


## OZL16 Series Miniature Control Units Ø16

### Dimensions (Illuminated Pushbuttons & Pilot Lights)



### Terminal Arrangement (bottom view)

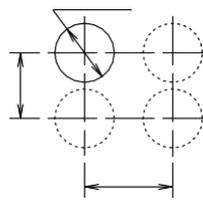
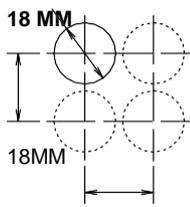


### Mounting Hole Layout

Round/Square

Rectangular

Rectangular w/3-way barrie



# OZL16 MINIATURE SWITCHES AND LIGHTS



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## Specifications and Ratings

Rated Insulation Voltage		250V / DC30			
Rated Thermal Current		3A / 5A			
Operating Voltage (AC/DC)		12V	24V	110V	220V
AC 50/60 Hz	Resistive Load	—	—	1.0A	0.5A
	Inductive Load	—	—	0.7A	0.5A
DC	Resistive Load	1.0A	1.0A	0.2A	—
	Inductive Load	0.7A	0.7A	0.1A	—
Contact Material					
Operating Temperature		-25 to +55°C (no freezing)			
Storage Temperature		-30 to +80°C (no freezing)			
Operating Humidity		45 to 85% RH (no condensation)			
Contact Resistance		50 mΩ maximum (initial value)			
Insulation Resistance		100 MΩ minimum (500V DC megger)			
Dielectric Strength	Switch Unit	Between live and dead metal parts: 2,000V AC, 1 minute Between terminals of different poles: 2,000V AC, 1 minute Between terminals of the same pole: 1,000V AC, 1 minute Between contact and lamp terminals: 1,500V AC, 1 minute			
	Illumination Unit	Between live part and ground: 2,000V AC, 1 minute			
Vibration Resistance		Operating extremes: 5 to 55 Hz, amplitude 0.75 mm			

Shock Resistance	Damage limits: 500 m/s <sup>2</sup> (50G) Operating extremes: 200 m/s <sup>2</sup> (20G)
Mechanical Durability (minimum operations)	Momentary: 1,000,000 operations Maintained: 100,000 operations Pushlock Turn Reset: 100,000 operations Selector Switch: 200,000 operations Key Selector Switch: 250,000 operations
Electrical Durability (minimum operations)	Other than Maintained: 100,000 operations Maintained: 50,000 operations (Switching frequency operations/h)
Degree of Protection	IP40, IP65 (IEC 60529)
Terminal Style	Solder terminal

# OZL16 MINIATURE SWITCHES AND LIGHTS



Unit	Rated Voltage	5V DC	12V AC/DC	24V AC/DC
	Voltage Range	5V DC $\pm 5\%$	12V AC/DC $\pm 10\%$	24V AC/DC $\pm 10\%$
LED Lamp	Part No.	OZL16 OZL16	OZL16	OZL16
	Lamp Base	Exclusive for A series control units		
	Current Draw	5 mA		
	Lamp Base Color	Same as illumination color (except JW - gray base)		
	Voltage Marking	Die stamped on the base		
	Life (reference value)	Approx. 50,000 hours (The luminance is reduced to 50% of the initial intensity when used on complete DC.)		
	Internal Circuit	<p>X1 (+) X2 (-)</p> <div style="border: 1px solid black; padding: 5px; display: inline-block;">                     Limited current circuit Noise protection circuit Dimmer protection circuit                 </div>	<p>X1X2</p> <div style="border: 1px solid black; padding: 5px; display: inline-block;">                     Limited current circuit Noise protection circuit Rectifier circuit Dimmer protection circuit                 </div>	