

K16 Series

Ø16mm Switches/Buttons




















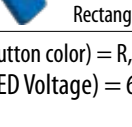
- 16mm (5/8") Mounting Holes
- IP 65 degree of protection (Water & dust proof)
- Snap action contacts
- Illuminated Mushroom & Round, square, rectangular heads (Selector switches are optional)
- Useful quick connector (tap #110) or available solder socket or PCB pin sockets
- Flush mountable switches available - see page F4

Specifications

Contacts	Contact Form	SPDT (1NO + 1NC), DPDT (2NO + 2NC)
	Contact Material	Ag Alloy (24K Gold plated)
	Max. Switching Current	3A MAX
	Max. Rated Voltage	250VAC, 110VDC
	Rated Current	1A at 24VDC/ 120VAC, 0.5A at 250VAC
	Min. Switching Current	1mA 5VDC
LED	Rated Voltage	24VDC, 12VDC, 6VDC
	Rated Current	15mA
	Expected Life	50,000hrs
Buzzer	Sound	80dB continuous alert sound at 0.1m
	Voltage/Current	24VDC/15mA

General Spec	Contact Resistance	Max. 50mΩ	
	Insulation Resistance	100MΩ at 500V DC	
	Dielectric Strength	2,000VAC for 1 Min.	
	Vibration Resistance	5~55Hz Dual amplitude : 0.75mm	
	Shock Resistance	Endurance: 500m/s ² , Operatin 200m/s ²	
	Expected Life	Mechanical	Push Button (release): Min. 1,000,000
			Selector, Key Selector: 250,000
	Expected Life	Electrical	Others: Min. 100,000
			Maintained: Min. 50,000 (frequency 1,200 times/hrs)
	Expected Life	Electrical	Others: Min. 100,000
Ambient Temperature			Operation: -25°C~ +55°C, Storage: -30°C~+80°C
Ambient Humidity	45~85%RH		
Degree of Protection	IP65		
Terminal Soldering Temp.	20W 5sec / 260°C 3sec		

	Style	Operation	Contact	Part Numbers		
				Non Illuminated	Illuminated	
Push Button		Momentary	SPDT DPDT	K16-211 ① K16-212 ①	K16-271 ①-② K16-272 ①-②	
		Maintained	SPDT DPDT	K16-311 ① K16-312 ①	K16-371 ①-② K16-372 ①-②	
		Momentary	SPDT DPDT	K16-221 ① K16-222 ①	K16-281 ①-② K16-282 ①-②	
		Maintained	SPDT DPDT	K16-321 ① K16-322 ①	K16-381 ①-② K16-382 ①-②	
		Momentary	SPDT DPDT	K16-231 ① K16-232 ①	K16-291 ①-② K16-292 ①-②	
		Maintained	SPDT DPDT	K16-331 ① K16-332 ①	K16-391 ①-② K16-392 ①-②	
Mushroom Switches		Momentary	SPDT DPDT	K16-911 ① K16-912 ①	K16-971 ①-② K16-972 ①-②	
		Maintained	SPDT DPDT	K16-911H ① K16-912H ①	K16-971H ①-② K16-972H ①-②	
		Momentary	SPDT DPDT	K16-921 ① K16-922 ①	K16-981 ①-② K16-982 ①-②	
		Maintained	SPDT DPDT	K16-921H ① K16-922H ①	K16-981H ①-② K16-982H ①-②	
		Momentary	SPDT DPDT	K16-931 ① K16-932 ①	K16-991 ①-② K16-992 ①-②	
		Maintained	SPDT DPDT	K16-931H ① K16-932H ①	K16-991H ①-② K16-992H ①-②	
	E-Stop Switches		Turn to Release	SPDT DPDT	K16-811R K16-812R	K16-871-24VDC K16-872-24VDC
	Buzzers		80dB	N/A	K16-CZ	K16-CZL
		80dB	N/A	K16-BZ	K16-BZL	

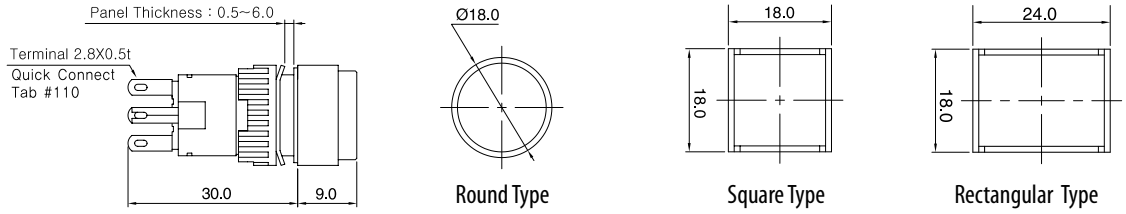
	Style	Operation	Contact	Part Numbers
Pilot Lamp		Pilot Lamp	N/A	K16-170 ①-②V
		Pilot Lamp	N/A	K16-180 ①-②V
		Pilot Lamp	N/A	K16-190 ①-②V
Selector Switches		2 Step	SPDT DPDT	K16-411 K16-412
		3 Step	DPDT	K16-512
		2 Step	SPDT DPDT	K16-421 K16-422
		3 Step	DPDT	K16-522
		2 Step	SPDT DPDT	K16-431 K16-432
		3 Step	DPDT	K16-532
Key Selector Switches		2 Step	SPDT DPDT	⊗ K16-611 ⊗ K16-612
		3 Step	DPDT	⊕ K16-712
		2 Step	SPDT DPDT	⊗ K16-621 ⊗ K16-622
		3 Step	DPDT	⊕ K16-722
		2 Step	SPDT DPDT	⊗ K16-631 ⊗ K16-632
		3 Step	DPDT	⊕ K16-732

* ① (Button color) = R, G, Y, B, and W (Red, Green, Yellow, Blue, and White)

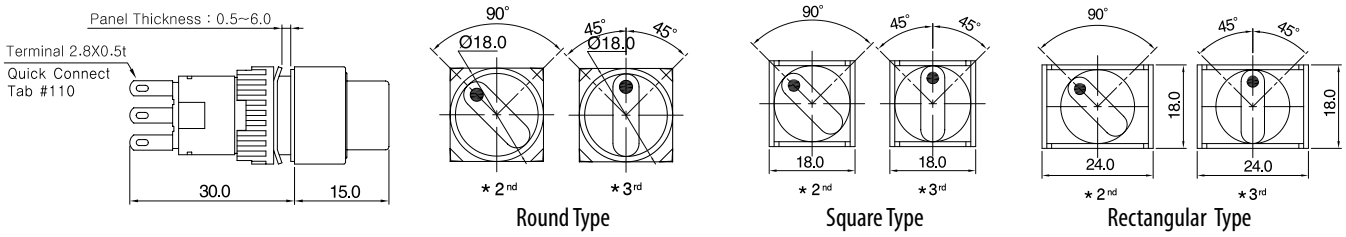
* ② (LED Voltage) = 6VDC, 12VDC, 24VDC

Dimensions

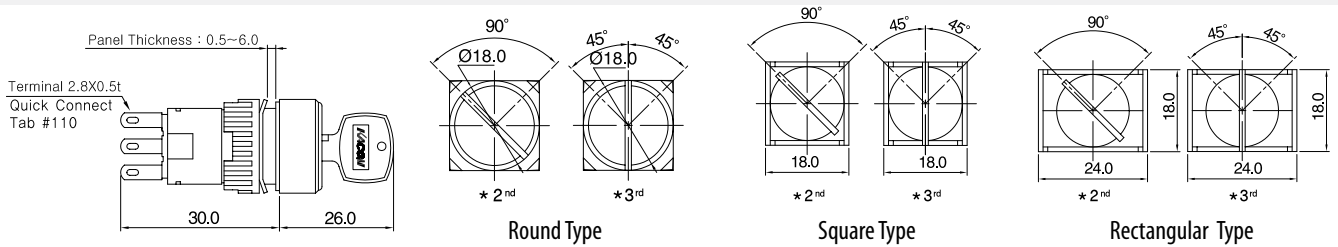
Pilot Lamps & Push Buttons



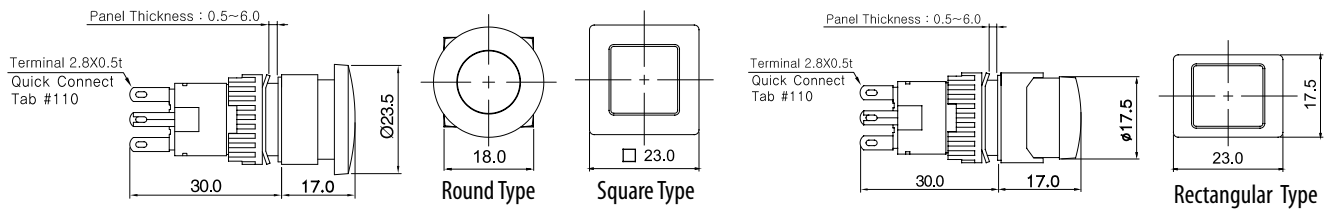
Selector Switches



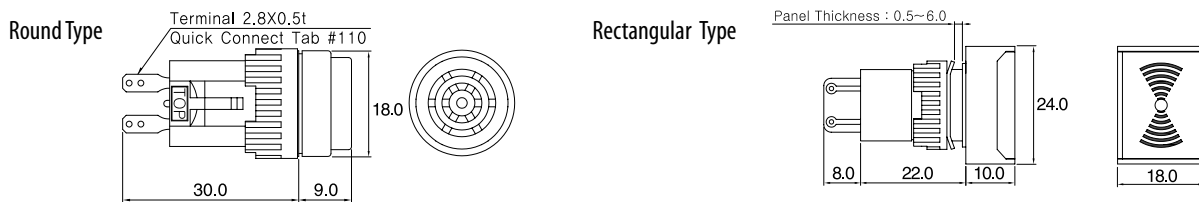
Key Switches



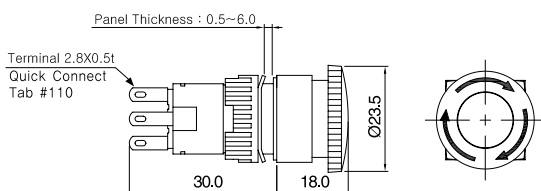
Mushroom Type Push Buttons



Buzzers

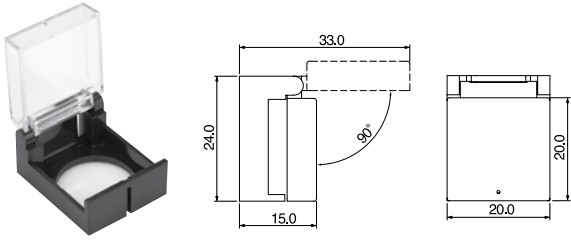


Emergency Resets

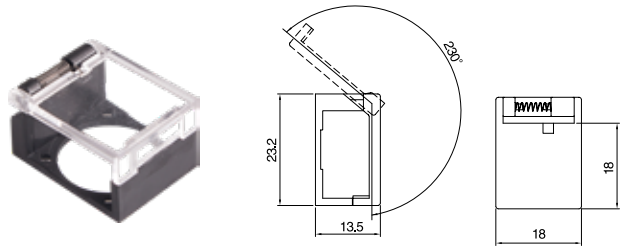


K16 Accessories

Protection Covers - Round & Square Type

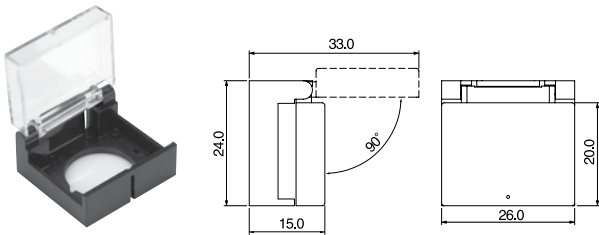


K16-S111 - Opens 90 degree

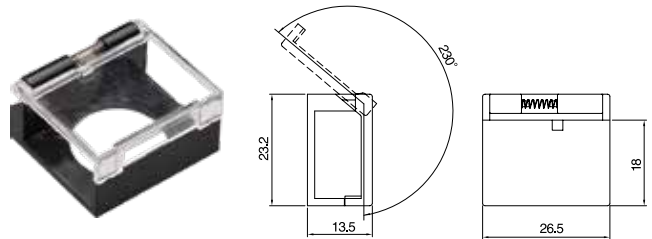


K16-S221 - Opens 230 degree

Protection Covers - Rectangular Type

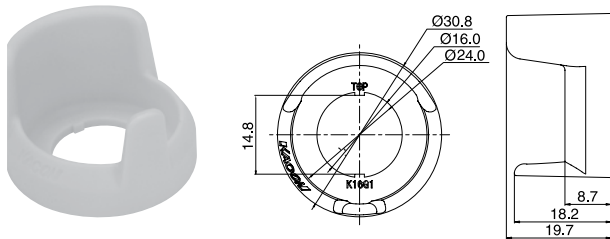


K16-S112 - Opens 90 degree

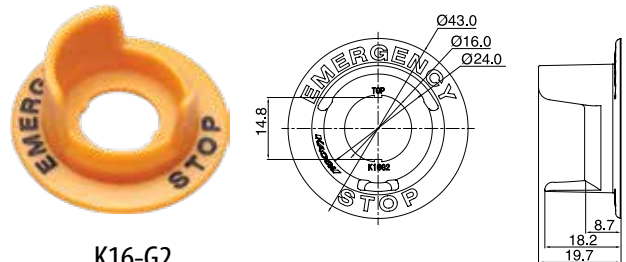


K16-S222 - Opens 230 degree

Safety Guard



K16-G1



K16-G2

LED

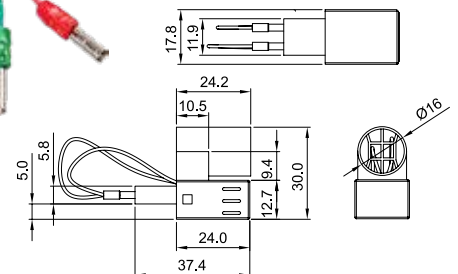
K16-S115①

① - R, Y, G, B, C & 6, 12, 24VDC

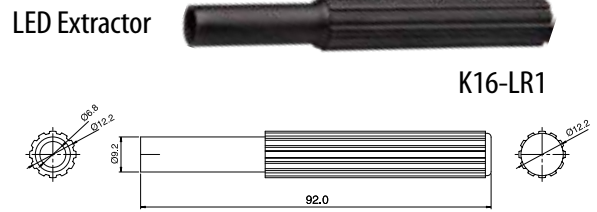
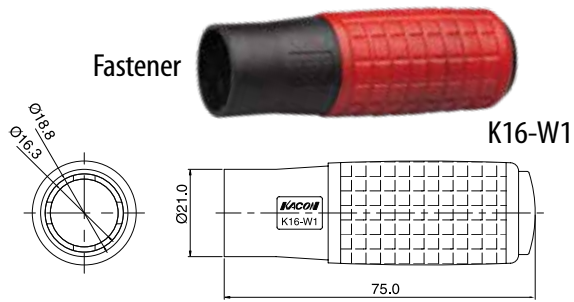


Transformer

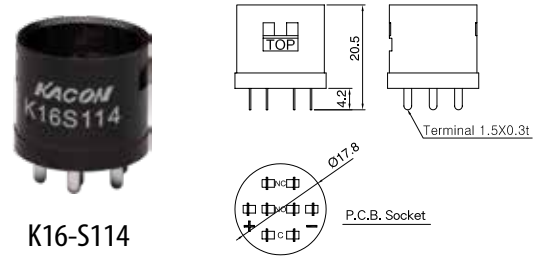
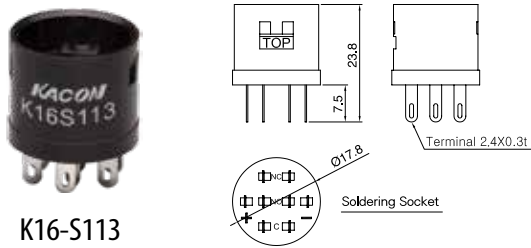
K16-T1 : 220V to 24V
K16-T2 : 110V to 24V



Hand Tools



Sockets



Terminal Protection



K16-S116

Protection Cover



K16-S223

R Type Lens



K16-S224

Flush Mounting Guard



Switches shown with
flush mounting guard