

Control Switch

K16 Series



Pilot Light
(Ø20 - Flush Type)



**Non-Illuminated
Push Button Switch**
(Ø20 - Flush Type)



**Illuminated
Push Button Switch**
(Ø20 - Flush Type)



Selector Switch
(Ø20 - Flush Type)



Key Switch
(Ø20 - Flush Type)



**Non-Illuminated
Buzzer**
(Ø20 - Flush Type)



Illuminated Buzzer
(Ø20 - Flush Type)



Emergency Stop Switch
(Ø20 - Flush Type)



Pilot Light



**Non-Illuminated
Push Button Switch**



**Illuminated
Push Button Switch**



Selector Switch



Key Switch



**Non-Illuminated
Emergency Stop Switch**



**Illuminated
Emergency Stop Switch**



**Non-Illuminated
Mushroom Push Button Switch**



**Illuminated
Mushroom Push Button Switch**



**Non-Illuminated
Buzzer**



**Illuminated
Buzzer**

Control Switch

K16 Series

Part Number Description

K16 - ① ② ③ ④ ⑤				
Model	K16 Control Switch			
① Operator Type	1 : Pilot Light 4 : 2 Position selector 7 : 3 Position key	2 : Momentary 5 : 3 Position selector 8 : Emergency Stop (nominal)	3 : Maintained 6 : 2 Position key 9 : Push mushroom	
② Illumination & Shape	1 : Non - Illuminated Round 4 : Non-Illuminated Round(Ø20 Metal) 7 : Illumination Round (LED)	2 : Non - Illuminated Square 5 : Illuminated Round(Ø20 Flush Type) 8 : Illumination Square (LED)	3 : Non - Illuminated Rectangular 9 : Illumination Rectangular (LED)	
③ Contact Form	0 : No Contact	1 : 1N/O +1N/C	2 : 2N/O + 2N/C	
④ Color	R : Red B : Blue	G : Green W : White	Y : Yellow K : Black	
⑤ Rated Voltage	No mark : Standard (no voltage) 24VDC	6VDC 220VAC	12VDC	
Illuminated Buzzer	K16-CZL (Round - continuous sound)	K16-BZL (Rectangular - continuous sound)	K16-CZL2 (Ø20 Flush Type - continuous sound)	
Non-Illuminated Buzzer	K16-CZ (Round - continuous sound)	K16-BZ (Rectangular - continuous sound)	K16-CZ2 (Ø20 Flush Type - continuous sound)	

※ Ø20 : Flush Type

General Specification

Contact Ratings	Contact Form	1N/O + 1N/C, 2N/O + 2N/C			
	Contact Material	Ag Alloy (24K gold plate)			
	Maximum Switching Current	3A			
	Maximum Rated Voltage	250VAC, 110VDC			
	Rated Current	1A 24VDC / 120VAC			
		0.5A 250VAC			
	Minimum Switching Current	1mA 5VDC			
LED Module Ratings	Color	Red, Green, Yellow, Blue, White, Black			
	Rated Voltage	6VDC, 24VDC, 12VDC, 220VAC			
	Rated Current	Approx. 15mA			
	Life Cycle ¹⁾	50,000 hrs			
Buzzer Ratings	Tone	Continuous			
	Amplitude	80dB(phone) 0.1m			
	Rated Voltage	24VDC			
	Rated Current	Approx. 15mA			
	Life Cycle	1,000 hours			
General Ratings	Contact Resistance	Max. 50mΩ			
	Insulation Resistance	Min. 100MΩ (500VDC)			
	Dielectric Strength	2,000VAC (1minute)			
	Vibration Resistance	5 - 55Hz dual amplitude : 0.75mm			
	Shock Resistance	Endurance : 500m/s², Operation : 200m/s²			
	Life Cycle	Mechanical	Push button (release) : Min. 1,000,000		
			Selector, key : Min. 250,000		
		Electrical	Others : Min. 100,000		
			Maintained : Min 50,000 (frequency of on/off 1,200 times / hour)		
			Others : Min. 100,000		
	Ambient Temperature	-25°C ~ +55°C (with no icing or condensing)			
	Ambient Humidity	45% ~ 85%RH			
	Degree Of Protection	IP65 waterproof			
	Termination	#110 quick-fit / solder			
	Terminal Soldering Temperature	20W 5sec / 260°C 3sec			
Operation Characteris- tics	Operator Type	1N/O + 1N/C	2N/O + 2N/C	2 Position	3 Position
	OF	250g	450g	1,000g-cm	
	RF	30g		-	
	PT	2.5mm		-	
	SP	-		90 degree	45 degree

1) Luminance is Reduced to 50% of initial intensity after being lit for 50,000 hours continuously.

* LED is to be used with DC only. Watch the polarity when using them.

Control Switch

K16 Series - Flush Type

Products Selection

Operator Type	Shape	Contact Form	Color	Part Number	Rated Voltage
Ø 20 Illuminated LED Pilot Light - Flush Type 	Round	-	Red	K16-150R	6VDC 12VDC 24VDC 220VAC
			Green	K16-150G	
			Blue	K16-150B	
			Yellow	K16-150Y	
			White	K16-150W	
			Black	K16-150K	
Ø 20 Momentary Non-Illuminated Push Button Switch - Flush Type 	Round	1N/O + 1N/C	Red	K16-241R	-
			Green	K16-241G	
			Blue	K16-241B	
			Yellow	K16-241Y	
			White	K16-241W	
			Black	K16-241K	
		2N/O + 2N/C	Red	K16-242R	-
			Green	K16-242G	
			Blue	K16-242B	
			Yellow	K16-242Y	
			White	K16-242W	
			Black	K16-242K	
Ø 20 Momentary Illuminated Push Button Switch - Flush Type 	Round	1N/O + 1N/C	Red	K16-251R	6VDC 12VDC 24VDC 220VAC
			Green	K16-251G	
			Blue	K16-251B	
			Yellow	K16-251Y	
			White	K16-251W	
			Black	K16-251K	
		2N/O + 2N/C	Red	K16-252R	6VDC 12VDC 24VDC 220VAC
			Green	K16-252G	
			Blue	K16-252B	
			Yellow	K16-252Y	
			White	K16-252W	
			Black	K16-252K	
Ø 20 Maintained Non-Illuminated Push Button Switch - Flush Type 	Round	1N/O + 1N/C	Red	K16-341R	-
			Green	K16-341G	
			Blue	K16-341B	
			Yellow	K16-341Y	
			White	K16-341W	
			Black	K16-341K	
		2N/O + 2N/C	Red	K16-342R	-
			Green	K16-342G	
			Blue	K16-342B	
			Yellow	K16-342Y	
			White	K16-342W	
			Black	K16-342K	
Ø 20 Maintained Illuminated Push Button Switch - Flush Type 	Round	1N/O + 1N/C	Red	K16-351R	6VDC 12VDC 24VDC 220VAC
			Green	K16-351G	
			Blue	K16-351B	
			Yellow	K16-351Y	
			White	K16-351W	
			Black	K16-351K	
		2N/O + 2N/C	Red	K16-352R	6VDC 12VDC 24VDC 220VAC
			Green	K16-352G	
			Blue	K16-352B	
			Yellow	K16-352Y	
			White	K16-352W	
			Black	K16-352K	

Products Selection

Operator Type	Shape	Contact Form	Color	Part Number	Rated Voltage
Ø 20 Non-Illuminated Selector Switch - Flush Type 	Round	1N/O + 1N/C	Black	K16-441K	-
		2N/O + 2N/C	Black	K16-442K	-
		2N/O + 2N/C	Black	K16-542K	-
Ø 20 Illuminated Selector Switch - Flush Type 	Round	1N/O + 1N/C	Red	K16-451R	6VDC
			Green	K16-451G	12VDC
			Blue	K16-451B	24VDC
			Yellow	K16-451Y	220VAC
			White	K16-451W	
		2N/O + 2N/C	Red	K16-452R	6VDC
			Green	K16-452G	12VDC
			Blue	K16-452B	24VDC
			Yellow	K16-452Y	220VAC
			White	K16-452W	
		2N/O + 2N/C	Red	K16-552R	6VDC
			Green	K16-552G	12VDC
			Blue	K16-552B	24VDC
			Yellow	K16-552Y	220VAC
			White	K16-552W	
Ø 20 Key Switch - Flush Type 	Round	1N/O + 1N/C		K16-641	-
		2N/O + 2N/C		K16-642	-
		2N/O + 2N/C		K16-742	-
Ø 20 Non-Illuminated Buzzer - Flush Type 	Round	-		K16-CZ2	24VDC
Ø 20 Illuminated Buzzer - Flush Type 	Round	-		K16-CZL2	24VDC

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K16 Series - Standard

Products Selection

Operator Type	Shape	Contact Form	Color	Part Number	Rated Voltage
Ø 16 Illuminated LED Pilot Light   	Round	-	Red	K16-170R	6VDC 12VDC 24VDC 220VAC
			Green	K16-170G	
			Blue	K16-170B	
			Yellow	K16-170Y	
			White	K16-170W	
			Black	K16-170K	
	Square	-	Red	K16-180R	6VDC 12VDC 24VDC 220VAC
			Green	K16-180G	
			Blue	K16-180B	
			Yellow	K16-180Y	
			White	K16-180W	
			Black	K16-180K	
	Rectangular	-	Red	K16-190R	6VDC 12VDC 24VDC 220VAC
			Green	K16-190G	
			Blue	K16-190B	
			Yellow	K16-190Y	
			White	K16-190W	
			Black	K16-190K	
Ø 16 Momentary Non-Illuminated Push Button Switch   	Round	1N/O + 1N/C	Red	K16-211R	-
			Green	K16-211G	
			Blue	K16-211B	
			Yellow	K16-211Y	
			White	K16-211W	
			Black	K16-211K	
		2N/O + 2N/C	Red	K16-212R	-
			Green	K16-212G	
			Blue	K16-212B	
			Yellow	K16-212Y	
			White	K16-212W	
			Black	K16-212K	
	Square	1N/O + 1N/C	Red	K16-221R	-
			Green	K16-221G	
			Blue	K16-221B	
			Yellow	K16-221Y	
			White	K16-221W	
			Black	K16-221K	
		2N/O + 2N/C	Red	K16-222R	-
			Green	K16-222G	
			Blue	K16-222B	
			Yellow	K16-222Y	
			White	K16-222W	
			Black	K16-222K	
	Rectangular	1N/O + 1N/C	Red	K16-231R	-
			Green	K16-231G	
			Blue	K16-231B	
			Yellow	K16-231Y	
			White	K16-231W	
			Black	K16-231K	
		2N/O + 2N/C	Red	K16-232R	-
			Green	K16-232G	
			Blue	K16-232B	
			Yellow	K16-232Y	
			White	K16-232W	
			Black	K16-232K	

Products Selection

Operator Type	Shape	Contact Form	Color	Part Number	Rated Voltage
Ø 16 Momentary Illuminated Push Button Switch 	Round	1N/O + 1N/C	Red	K16-271R	6VDC 12VDC 24VDC 220VAC
			Green	K16-271G	
			Blue	K16-271B	
			Yellow	K16-271Y	
			White	K16-271W	
			Black	K16-271K	
		2N/O + 2N/C	Red	K16-272R	6VDC 12VDC 24VDC 220VAC
			Green	K16-272G	
			Blue	K16-272B	
			Yellow	K16-272Y	
			White	K16-272W	
			Black	K16-272K	
	Square	1N/O + 1N/C	Red	K16-281R	6VDC 12VDC 24VDC 220VAC
			Green	K16-281G	
			Blue	K16-281B	
			Yellow	K16-281Y	
			White	K16-281W	
			Black	K16-281K	
		2N/O + 2N/C	Red	K16-282R	6VDC 12VDC 24VDC 220VAC
			Green	K16-282G	
			Blue	K16-282B	
			Yellow	K16-282Y	
			White	K16-282W	
			Black	K16-282K	
	Rectangular	1N/O + 1N/C	Red	K16-291R	6VDC 12VDC 24VDC 220VAC
			Green	K16-291G	
			Blue	K16-291B	
			Yellow	K16-291Y	
			White	K16-291W	
			Black	K16-291K	
		1N/O + 1N/C	Red	K16-292R	6VDC 12VDC 24VDC 220VAC
			Green	K16-292G	
			Blue	K16-292B	
			Yellow	K16-292Y	
			White	K16-292W	
			Black	K16-292K	

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K16 Series - Standard

Products Selection

Operator Type	Shape	Contact Form	Color	Part Number	Rated Voltage
Ø 16 Maintained Non-Illuminated Push Button Switch   	Round	1N/O + 1N/C	Red	K16-311R	-
			Green	K16-311G	
			Blue	K16-311B	
			Yellow	K16-311Y	
			White	K16-311W	
			Black	K16-311K	
		2N/O + 2N/C	Red	K16-312R	-
			Green	K16-312G	
			Blue	K16-312B	
			Yellow	K16-312Y	
	Square	1N/O + 1N/C	White	K16-312W	-
			Black	K16-312K	
			Red	K16-321R	-
			Green	K16-321G	
			Blue	K16-321B	
			Yellow	K16-321Y	
			White	K16-321W	
			Black	K16-321K	
		2N/O + 2N/C	Red	K16-322R	-
			Green	K16-322G	
			Blue	K16-322B	
			Yellow	K16-322Y	
			White	K16-322W	
			Black	K16-322K	
	Rectangular	1N/O + 1N/C	Red	K16-331R	-
			Green	K16-331G	
			Blue	K16-331B	
			Yellow	K16-331Y	
			White	K16-331W	
			Black	K16-331K	
		2N/O + 2N/C	Red	K16-332R	-
			Green	K16-332G	
			Blue	K16-332B	
			Yellow	K16-332Y	
			White	K16-332W	
			Black	K16-332K	

Products Selection

Operator Type	Shape	Contact Form	Color	Part Number	Rated Voltage
Ø 16 Maintained Illuminated Push Button Switch 	Round	1N/O + 1N/C	Red	K16-371R	6VDC 12VDC 24VDC 220VAC
			Green	K16-371G	
			Blue	K16-371B	
			Yellow	K16-371Y	
			White	K16-371W	
			Black	K16-371K	
		2N/O + 2N/C	Red	K16-372R	6VDC 12VDC 24VDC 220VAC
			Green	K16-372G	
			Blue	K16-372B	
			Yellow	K16-372Y	
	Square	1N/O + 1N/C	White	K16-372W	6VDC 12VDC 24VDC 220VAC
			Black	K16-372K	
			Red	K16-381R	
			Green	K16-381G	
			Blue	K16-381B	
			Yellow	K16-381Y	
			White	K16-381W	
			Black	K16-381K	
		2N/O + 2N/C	Red	K16-382R	6VDC 12VDC 24VDC 220VAC
			Green	K16-382G	
			Blue	K16-382B	
			Yellow	K16-382Y	
	Rectangular	1N/O + 1N/C	White	K16-382W	6VDC 12VDC 24VDC 220VAC
			Black	K16-382K	
			Red	K16-391R	
			Green	K16-391G	
			Blue	K16-391B	
			Yellow	K16-391Y	
			White	K16-391W	
			Black	K16-391K	
		2N/O + 2N/C	Red	K16-392R	6VDC 12VDC 24VDC 220VAC
			Green	K16-392G	
			Blue	K16-392B	
			Yellow	K16-392Y	
			White	K16-392W	
			Black	K16-392K	

Control Switch

K16 Series - Standard

Products Selection

Operator Type	Shape	Contact Form	Color	Part Number	Rated Voltage
Ø 16 Non-Illuminated Selector Switch (2 Position)   	Round	1N/O + 1N/C	Black	K16-411K	-
		2N/O + 2N/C		K16-412K	-
	Square	1N/O + 1N/C	Black	K16-421K	-
		2N/O + 2N/C		K16-422K	-
	Rectangular	1N/O + 1N/C	Black	K16-431K	-
		2N/O + 2N/C		K16-432K	-
Ø 16 Illuminated Selector Switch (2 Position)   	Round	1N/O + 1N/C	Red	K16-471R	6VDC
			Green	K16-471G	12VDC
			Blue	K16-471B	24VDC
			Yellow	K16-471Y	220VAC
			White	K16-471W	
		2N/O + 2N/C	Red	K16-472R	6VDC
			Green	K16-472G	12VDC
			Blue	K16-472B	24VDC
			Yellow	K16-472Y	220VAC
			White	K16-472W	
	Square	1N/O + 1N/C	Red	K16-481R	6VDC
			Green	K16-481G	12VDC
			Blue	K16-481B	24VDC
			Yellow	K16-481Y	220VAC
			White	K16-481W	
		2N/O + 2N/C	Red	K16-482R	6VDC
			Green	K16-482G	12VDC
			Blue	K16-482B	24VDC
			Yellow	K16-482Y	220VAC
			White	K16-482W	
	Rectangular	1N/O + 1N/C	Red	K16-491R	6VDC
			Green	K16-491G	12VDC
			Blue	K16-491B	24VDC
			Yellow	K16-491Y	220VAC
			White	K16-491W	
		2N/O + 2N/C	Red	K16-492R	6VDC
			Green	K16-492G	12VDC
			Blue	K16-492B	24VDC
			Yellow	K16-492Y	220VAC
			White	K16-492W	

Products Selection

Operator Type	Shape	Contact Form	Color	Part Number	Rated Voltage
Ø 16 Non-Illuminated Selector Switch (3 Position)	Round	2N/O + 2N/C	Black	K16-512K	-
	Square			K16-522K	-
	Rectangular			K16-532K	-
Ø 16 Illuminated Selector Switch (3 Position)	Round	2N/O + 2N/C	Red	K16-572R	6VDC
			Green	K16-572G	12VDC
			Blue	K16-572B	24VDC
			Yellow	K16-572Y	220VAC
			White	K16-572W	
	Square	2N/O + 2N/C	Red	K16-582R	6VDC
			Green	K16-582G	12VDC
			Blue	K16-582B	24VDC
			Yellow	K16-582Y	220VAC
			White	K16-582W	
	Rectangular	2N/O + 2N/C	Red	K16-592R	6VDC
			Green	K16-592G	12VDC
			Blue	K16-592B	24VDC
			Yellow	K16-592Y	220VAC
			White	K16-592W	

Control Switch

K16 Series - Standard

Products Selection

Operator Type	Shape	Contact Form	Color	Operator Function	Part Number	Rated Voltage
Ø 16 Key Switch (2 Position)   	Round	1N/O + 1N/C	Black		K16-611	-
		2N/O + 2N/C	Black		K16-612	-
	Square	1N/O + 1N/C	Black		K16-621	-
		2N/O + 2N/C	Black		K16-622	-
	Rectangular	1N/O + 1N/C	Black		K16-631	-
		2N/O + 2N/C	Black		K16-632	-
Ø 16 Key Switch (3 Position)   	Round	2N/O + 2N/C	Black		K16-712	-
	Square	2N/O + 2N/C	Black		K16-722	-
	Rectangular	2N/O + 2N/C	Black		K16-732	-
Ø 16 Emergency Non-Illuminated Stop switch 	Round	1N/O + 1N/C	Red	-	K16-811	-
		2N/O + 2N/C	Red	-	K16-812	-
Ø 16 Emergency Illuminated Stop switch 	Round	1N/O + 1N/C	Red	-	K16-871	6VDC 24VDC 220VAC
		2N/O + 2N/C	Red	-	K16-872	6VDC 24VDC 220VAC

Products Selection

Operator Type	Shape	Contact Form	Color	Part Number	Rated Voltage
Ø 16 Momentary Non-Illuminated Mushroom Push Button Switch 	Round	1N/O + 1N/C	Red	K16-911R	-
			Green	K16-911G	-
			Yellow	K16-911Y	-
Ø 16 Momentary Illuminated Mushroom Push Button Switch  	Round	1N/O + 1N/C	Red	K16-971R	6VDC
			Green	K16-971G	12VDC
			Yellow	K16-971Y	24VDC
		2N/O + 2N/C	Red	K16-972R	220VAC
			Green	K16-972G	6VDC
			Yellow	K16-972Y	12VDC
	Square	1N/O + 1N/C	Red	K16-981R	24VDC
			Green	K16-981G	220VAC
			Yellow	K16-981Y	6VDC
		2N/O + 2N/C	Red	K16-982R	12VDC
			Green	K16-982G	24VDC
			Yellow	K16-982Y	220VAC
Ø 16 Maintained Illuminated Mushroom Push Button Switch  	Round	1N/O + 1N/C	Red	K16-971RH	6VDC
			Green	K16-971GH	12VDC
			Yellow	K16-971YH	24VDC
		2N/O + 2N/C	Red	K16-972RH	220VAC
			Green	K16-972GH	6VDC
			Yellow	K16-972YH	12VDC
	Square	1N/O + 1N/C	Red	K16-981RH	24VDC
			Green	K16-981GH	220VAC
			Yellow	K16-981YH	6VDC
		2N/O + 2N/C	Red	K16-982RH	12VDC
			Green	K16-982GH	24VDC
			Yellow	K16-982YH	220VAC
Ø 16 Non-Illuminated Buzzer  	Round	-		K16-CZ	12VDC 24VDC
	Square	-		K16-BZ	12VDC 24VDC
Ø 16 Illuminated Buzzer  	Round	-		K16-CZL	24VDC
	Square	-		K16-BZL	24VDC

Control Switch

K16 Series

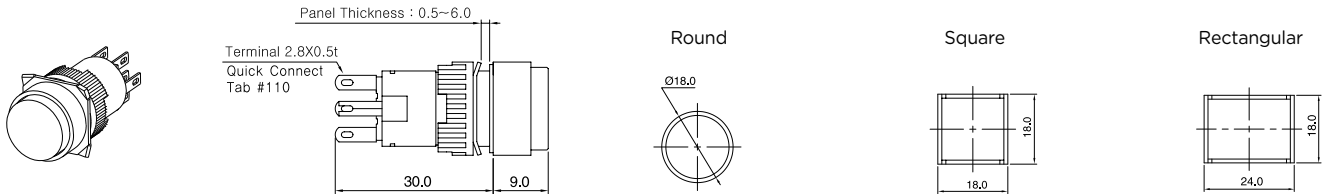
Accessory

	Operator Type	Rated Voltage	Color	Part number
	220VAC Trans	220VAC	Black	K16-T1
	LED	24V	Red	K16-S115R 24V
			Green	K16-S115G 24V
			Yellow	K16-S115Y 24V
			White	K16-S115W 24V
			Blue	K16-S115B 24V
		12V	Red	K16-S115R 12V
			Green	K16-S115G 12V
			Yellow	K16-S115Y 12V
			White	K16-S115W 12V
			Blue	K16-S115B 12V
		6V	Red	K16-S115R 6V
			Green	K16-S115G 6V
			Yellow	K16-S115Y 6V
			White	K16-S115W 6V
			Blue	K16-S115B 6V
	Ø 22 Protection Cover (Ø 20 only)		Clear	T22-C
	Square Protection Cover - Box Type		Black Red Green Yellow	K16-S111 K16-S111R K16-S111G K16-S111Y
	Rectangular Protection Cover - Box Type		Black Red Green Yellow	K16-S112 K16-S112R K16-S112G K16-S112Y
	Square Protection Cover - Side Open / Spring Type		Black Red Green Yellow	K16-S221 K16-S221R K16-S221G K16-S221Y
	Rectangular Protection Cover - Side Open / Spring Type		Black Red Green Yellow	K16-S222 K16-S222R K16-S222G K16-S222Y
	Safety Guard (Ø16 only)		Yellow	K16-G1
	Safety Guard - Emergency Stop (Ø16 only)		Yellow	K16-G2
	Ø16 Hole Cover (Ø16 only)		Black	K16-S117
	Mounting Ring Wrench		Black	K16-W1
	Bulb Removal Tool		Black	K16-LR1
	Socket(Soldering)		Black	K16-S113
	Socket(PCB)		Black	K16-S114

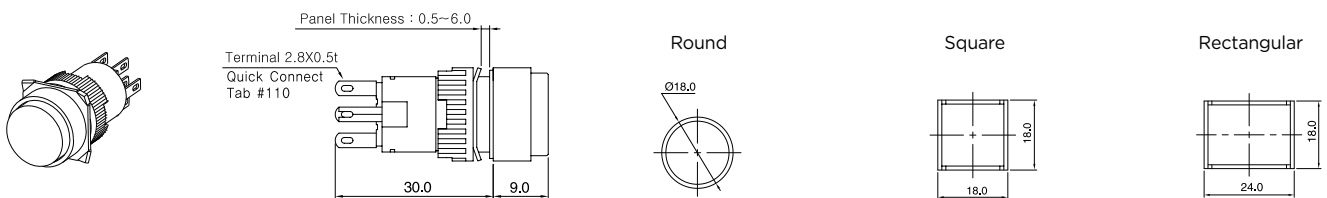
Dimension

unit : mm

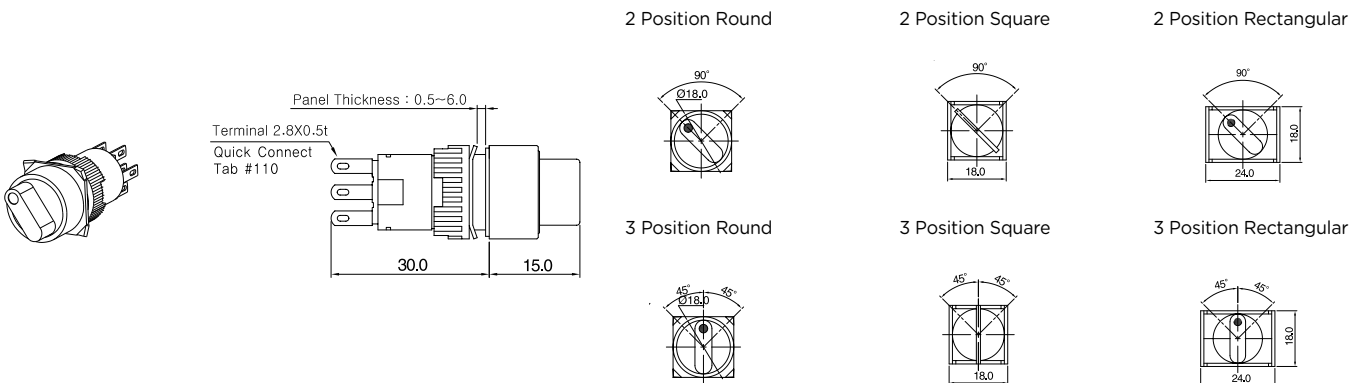
Pilot Light



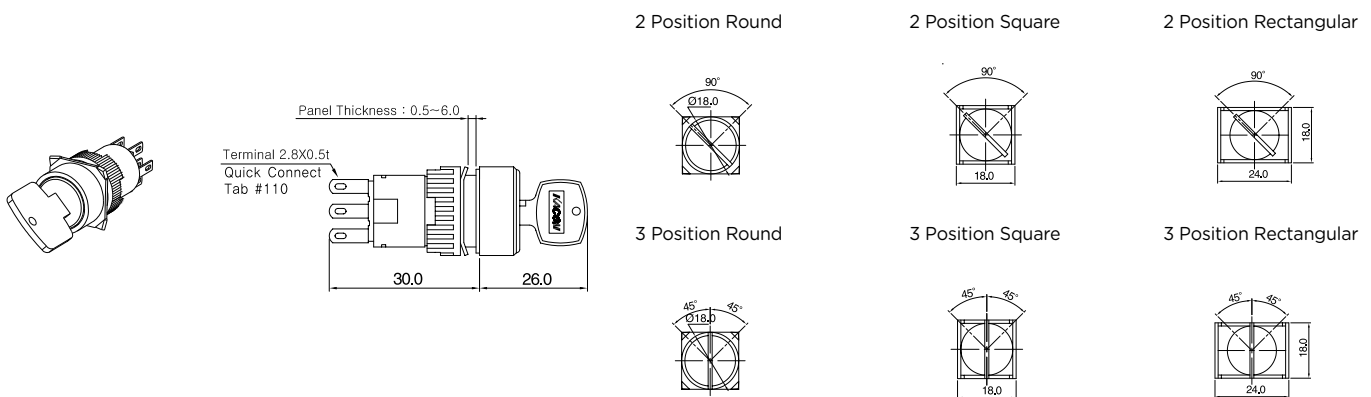
Momentary & Maintained Push Button Switch



Selector Switch



Key Switch



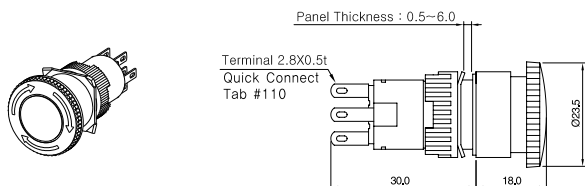
Control Switch

K16 Series

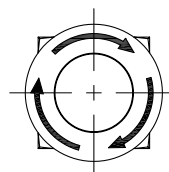
Dimension

unit : mm

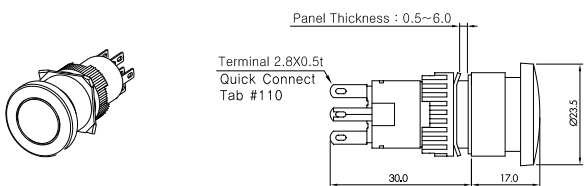
Emergency Stop Switch



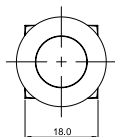
Round



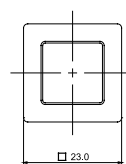
Mushroom Push Button Switch



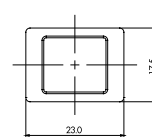
Round



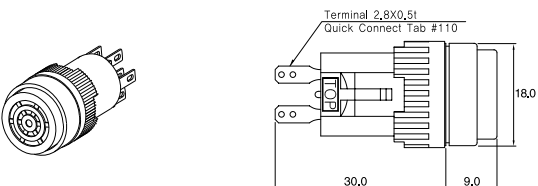
Square



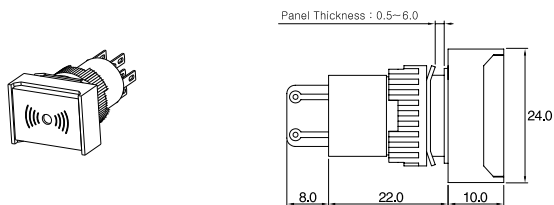
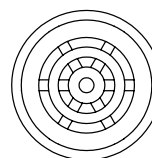
Rectangular



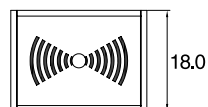
Buzzer



Round



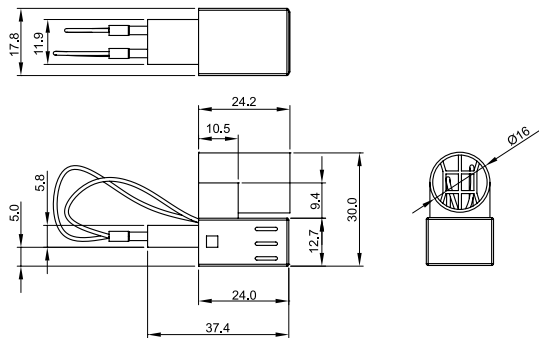
Rectangular



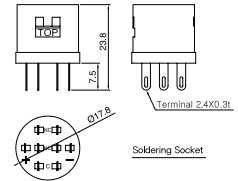
Accessory

unit : mm

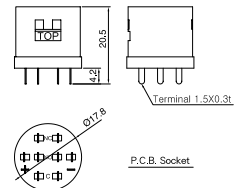
K16 - T1



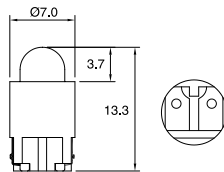
K16 - S113



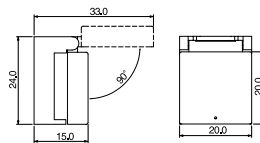
K16 - S114



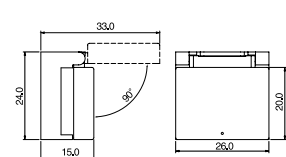
K16 - S115



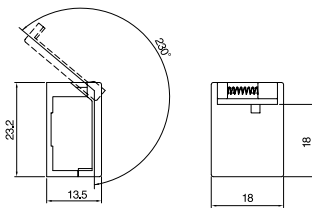
K16 - S111



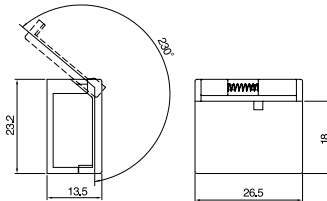
K16 - S112



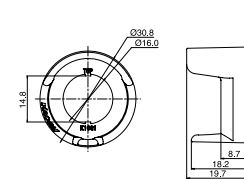
K16 - S221



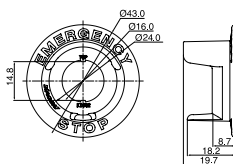
K16 - S222



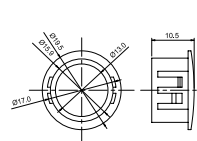
K16 - G1



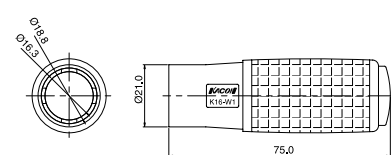
K16 - G2



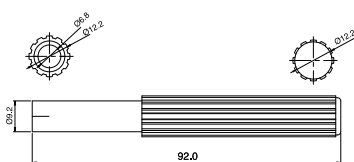
K16 - S117



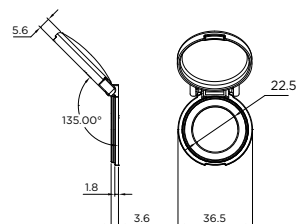
K16 - W1



K16 - LR1



T22-C

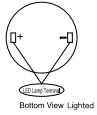


Control Switch

K16 Series

Wiring Diagram

Illuminated



1N/O + 1N/C



2N/O + 2N/C



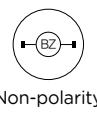
Illuminated
1N/O + 1N/C



Illuminated
2N/O + 2N/C

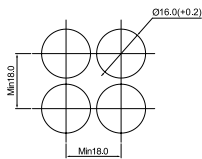


Buzzer

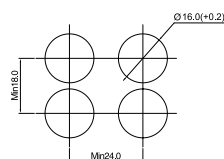


Panel Cut-Out

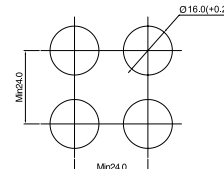
Round / Square (Ø16)



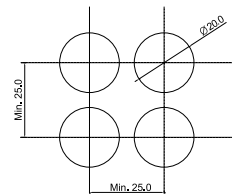
Rectangular (Ø16)



Emergency Stop / Mushroom (Ø16)



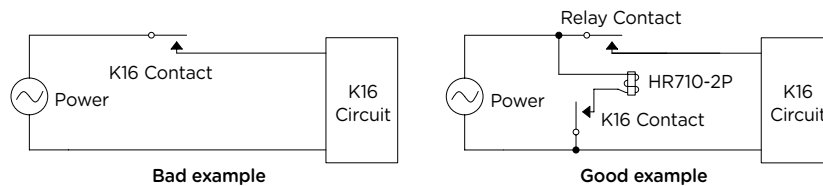
Round / Square (Ø20)



- Note. 1. When processing panels, determine the distance between holes considering the user's workability.
2. The hole processing dimension must be $\text{Ø}16.0 \pm 0.2$ or $\text{Ø}20.0 \pm 0.2$.
(If the hole processing dimension is greater than the specified value, the product may not operate normally.)

Caution

When using K16 small Control Switch as the power switch for the control unit, please follow the following instruction for longer product life span and reliability.



- If you are using a DC power source which is regulated from an AC source, the ripple of the DC power source should be within 10%.
⇒ If the power source does not have a stable voltage, the life span of the LED will be considerably shortened.
- Do not use excessive force or strike the products, which could cause damages.
(Driving torque for fixing panels 0.6 ~ 1N·m or lower)
- When soldering the wires, excessive heat or extensive use of soldering equipment can distort the shape of the product, which may result in damages.)
- There is a built-in current limiting resistance in the product, so no more additional resistances are need to be connected.
- The brightness of LED could be reduced up to 50% after rated life span.
- K16-W1 : Do not tighten the fixing ring with an excessive force, because it may damage the product.
- K16-LR1 : 1. Insert K16-LR1 and pull it to separate the LED from the product.
2. Rotate and pull K16-LR1 to mount the LED on the product..

※ The specification and the material of the products can be changed without notice for the improvement of the quality.