

Control Switch

K08,10,12 Series



LED Round



LED Square



LED Rectangular

Part Number Description

K08, 10, 12 - 1 2 3 4

Model	Ø08, 10, 12 Control Switch					
1 Operator Type	1 : Pilot Light	2 : Momentary	3 : Maintained			
2 Illumination & Shape	7 : LED Round	8 : LED Square	9 : LED Rectangular			
3 Contact Form	0 : No Contact	1 : 1N/O +1N/C	2 : 2N/O + 2N/C			
4 Color	R : Red	G : Green	Y : Yellow	W : White	B : Blue	

General Specification

Contact Ratings	Contact Material	Ag allow (Au Plate)
	Rated Current (Resistive Load)	1A 24VDC
		1A 120VAC
		0.5A 240VAC
	Maximum Switching Current	3A
LED Module Ratings	Maximum Rated Voltage	250VAC, 110VDC
	Rated Current	15mA
	Life Cycle	50,000 hrs
	Rated Voltage	6, 12, 24VDC
General Ratings	Dielectric Strength	2,000VAC (1 minute)
	Life Cycle	Mechanical Momentary : Min. 200,000
		Mechanical Maintained : Min. 100,000
		Electrical : Min 100,000
	Degree of Protection	IP40
	Terminal Soldering Temperature	20W 5 sec / 260°C 3 sec
	Ambient Temperature	-25°C to +55°C (with no icing or condensation)

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Products Selection

Operator Type	Shape	Contact Form	Color	Part Number	Rated Voltage
Ø 8 Illuminated LED Pilot Light   	Round	-	Red	K08-170R	12VDC 24VDC
			Green	K08-170G	
			Blue	K08-170B	
			Yellow	K08-170Y	
			White	K08-170W	
	Square	-	Red	K08-180R	12VDC 24VDC
			Green	K08-180G	
			Blue	K08-180B	
			Yellow	K08-180Y	
			White	K08-180W	
	Rectangular	-	Red	K08-190R	12VDC 24VDC
			Green	K08-190G	
			Blue	K08-190B	
			Yellow	K08-190Y	
			White	K08-190W	
Ø 8 Momentary Illuminated LED Push Button Switch   	Round	1N/O + 1N/C	Red	K08-271R	12VDC 24VDC
			Green	K08-271G	
			Blue	K08-271B	
			Yellow	K08-271Y	
			White	K08-271W	
	Square	1N/O + 1N/C	Red	K08-281R	12VDC 24VDC
			Green	K08-281G	
			Blue	K08-281B	
			Yellow	K08-281Y	
			White	K08-281W	
	Rectangular	1N/O + 1N/C	Red	K08-291R	12VDC 24VDC
			Green	K08-291G	
			Blue	K08-291B	
			Yellow	K08-291Y	
			White	K08-291W	
Ø 8 Maintained Illuminated LED Push Button Switch   	Round	1N/O + 1N/C	Red	K08-371R	12VDC 24VDC
			Green	K08-371G	
			Blue	K08-371B	
			Yellow	K08-371Y	
			White	K08-371W	
	Square	1N/O + 1N/C	Red	K08-381R	12VDC 24VDC
			Green	K08-381G	
			Blue	K08-381B	
			Yellow	K08-381Y	
			White	K08-381W	
	Rectangular	1N/O + 1N/C	Red	K08-391R	12VDC 24VDC
			Green	K08-391G	
			Blue	K08-391B	
			Yellow	K08-391Y	
			White	K08-391W	

Products Selection

Operator Type	Shape	Contact Form	Color	Part Number	Rated Voltage
Ø 10 Illuminated LED Pilot Light   	Round	-	Red	K10-170R	12VDC 24VDC
			Green	K10-170G	
			Blue	K10-170B	
			Yellow	K10-170Y	
			White	K10-170W	
	Square	-	Red	K10-180R	12VDC 24VDC
			Green	K10-180G	
			Blue	K10-180B	
			Yellow	K10-180Y	
			White	K10-180W	
	Rectangular	-	Red	K10-190R	12VDC 24VDC
			Green	K10-190G	
			Blue	K10-190B	
			Yellow	K10-190Y	
			White	K10-190W	
Ø 10 Momentary Illuminated LED Push Button Switch   	Round	1N/O + 1N/C	Red	K10-271R	12VDC 24VDC
			Green	K10-271G	
			Blue	K10-271B	
			Yellow	K10-271Y	
			White	K10-271W	
	Square	1N/O + 1N/C	Red	K10-281R	12VDC 24VDC
			Green	K10-281G	
			Blue	K10-281B	
			Yellow	K10-281Y	
			White	K10-281W	
	Rectangular	1N/O + 1N/C	Red	K10-291R	12VDC 24VDC
			Green	K10-291G	
			Blue	K10-291B	
			Yellow	K10-291Y	
			White	K10-291W	
Ø 10 Maintained Illuminated LED Push Button Switch   	Round	1N/O + 1N/C	Red	K10-371R	12VDC 24VDC
			Green	K10-371G	
			Blue	K10-371B	
			Yellow	K10-371Y	
			White	K10-371W	
	Square	1N/O + 1N/C	Red	K10-381R	12VDC 24VDC
			Green	K10-381G	
			Blue	K10-381B	
			Yellow	K10-381Y	
			White	K10-381W	
	Rectangular	1N/O + 1N/C	Red	K10-391R	12VDC 24VDC
			Green	K10-391G	
			Blue	K10-391B	
			Yellow	K10-391Y	
			White	K10-391W	

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Products Selection

Operator Type	Shape	Contact Form	Color	Part Number	Rated Voltage
Ø 12 Illuminated LED Pilot Light   	Round	-	Red	K12-170R	12VDC 24VDC
			Green	K12-170G	
			Blue	K12-170B	
			Yellow	K12-170Y	
			White	K12-170W	
	Square	-	Red	K12-180R	12VDC 24VDC
			Green	K12-180G	
			Blue	K12-180B	
			Yellow	K12-180Y	
			White	K12-180W	
	Rectangular	-	Red	K12-190R	12VDC 24VDC
			Green	K12-190G	
			Blue	K12-190B	
			Yellow	K12-190Y	
			White	K12-190W	
Ø 12 Momentary Illuminated LED Push Button Switch   	Round	1N/O + 1N/C	Red	K12-271R	12VDC 24VDC
			Green	K12-271G	
			Blue	K12-271B	
			Yellow	K12-271Y	
			White	K12-271W	
		2N/O + 2N/C	Red	K12-272R	12VDC 24VDC
			Green	K12-272G	
			Blue	K12-272B	
			Yellow	K12-272Y	
			White	K12-272W	
	Square	1N/O + 1N/C	Red	K12-281R	12VDC 24VDC
			Green	K12-281G	
			Blue	K12-281B	
			Yellow	K12-281Y	
			White	K12-281W	
		2N/O + 2N/C	Red	K12-282R	12VDC 24VDC
			Green	K12-282G	
			Blue	K12-282B	
			Yellow	K12-282Y	
			White	K12-282W	
	Rectangular	1N/O + 1N/C	Red	K12-291R	12VDC 24VDC
			Green	K12-291G	
			Blue	K12-291B	
			Yellow	K12-291Y	
			White	K12-291W	
		2N/O + 2N/C	Red	K12-292R	12VDC 24VDC
			Green	K12-292G	
			Blue	K12-292B	
			Yellow	K12-292Y	
			White	K12-292W	

Products Selection

Operator Type	Shape	Contact Form	Color	Part Number	Rated Voltage
Ø 12 Maintained Illuminated LED Push Button Switch   	Round	1N/O + 1N/C	Red	K12-371R	12VDC 24VDC
			Green	K12-371G	
			Blue	K12-371B	
			Yellow	K12-371Y	
			White	K12-371W	
		2N/O + 2N/C	Red	K12-372R	12VDC 24VDC
			Green	K12-372G	
			Blue	K12-372B	
			Yellow	K12-372Y	
			White	K12-372W	
	Square	1N/O + 1N/C	Red	K12-381R	12VDC 24VDC
			Green	K12-381G	
			Blue	K12-381B	
			Yellow	K12-381Y	
			White	K12-381W	
		2N/O + 2N/C	Red	K12-382R	12VDC 24VDC
			Green	K12-382G	
			Blue	K12-382B	
			Yellow	K12-382Y	
			White	K12-382W	
	Rectangular	1N/O + 1N/C	Red	K12-391R	12VDC 24VDC
			Green	K12-391G	
			Blue	K12-391B	
			Yellow	K12-391Y	
			White	K12-391W	
		2N/O + 2N/C	Red	K12-392R	12VDC 24VDC
			Green	K12-392G	
			Blue	K12-392B	
			Yellow	K12-392Y	
			White	K12-392W	

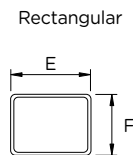
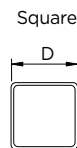
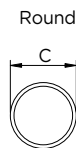
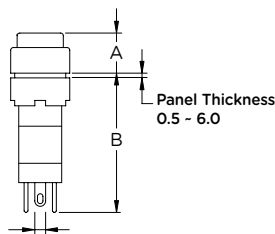
Control Switch

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Dimension

unit : mm

K08, 10, 12 Series



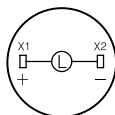
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K08 Series	9	29	Ø9	9	12	9
K10 Series	9	29	Ø12	12	16	12
K12 Series	9	29	Ø14	14	18	14

Wiring Diagram

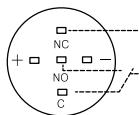
K08, K10

K12

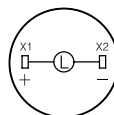
Pilot Light



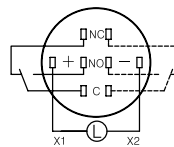
Others



Pilot Light



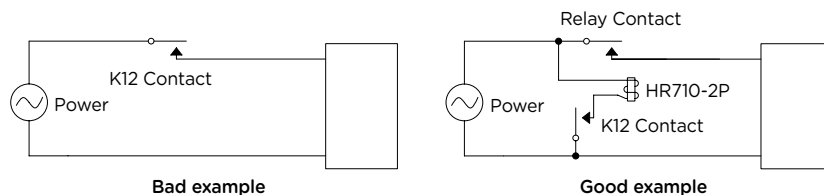
Others



1.  Illuminated Push Button Pilot Light

Caution

When using Ø8-, Ø10- and Ø12-small Control Switches as the main power switch for the control unit, follow the instructions below for ensure long life and safety of the device.



- When rectifying the AC current for the DC power for lighting, the DC power must be a constant voltage source with a ripple range of 10 % or less.
- Do not apply excessive impact or force to prevent damage to the product.
- Excessively high soldering temperature and prolonged soldering time may lead to the damage to the product. Comply with the specifications.
- The product has a built-in current limiting resistor, and no additional resistor is required.
- The brightness of the LED lamp may decrease to 50 % of the initial level after its lifetime.
- ☞ Specifications and materials may change to improve the product quality. without notice.