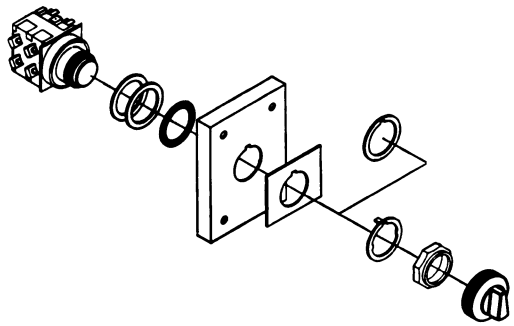
Non-illuminated Selector Switches, 2-position

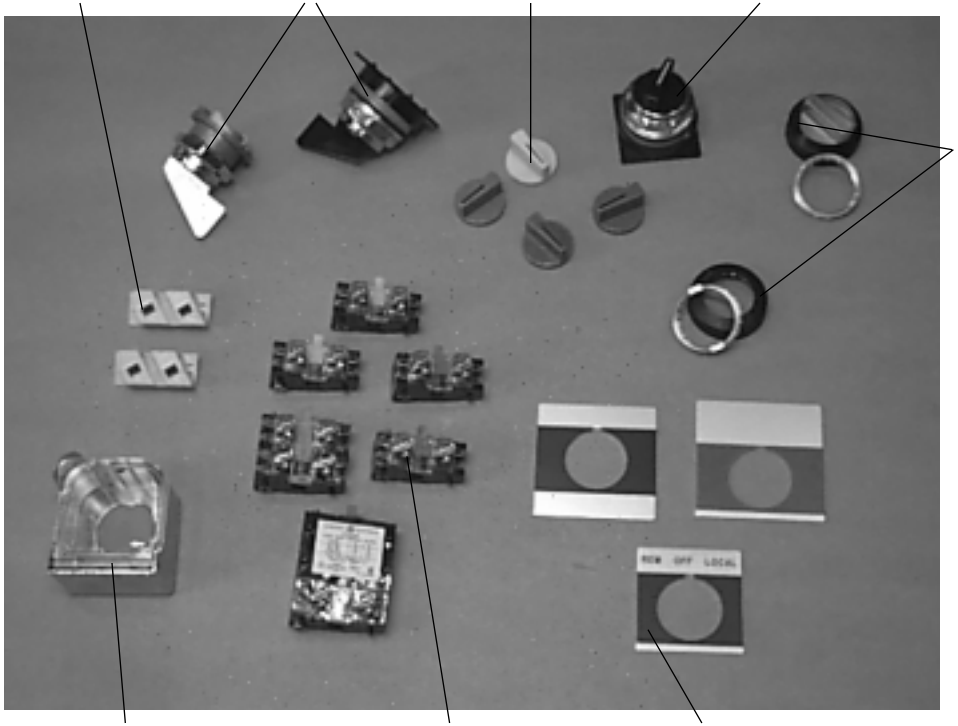


Knob
- Interchangeable design
- 5 colors: red, green, yellow, blue, black + levers in black and chrome for gloved-hand operation

Operator With Cam
- 2-position forms
- Multiple cam configurations allow optimum versatility
- Maintained and spring return forms

Contact Blocks
- Color coded for quick installation
- Maximum of 6 single or 6 double contact blocks
- Visible contacts for easy, accurate inspections
- Special applications: gold flashed, reed switch

Accessories



Non-illuminated Selector Switches, 2-position

							Type	Operation & Cam		Color	Contacts		Key Removal	Key Type
C	R	1	0	4	P	S							Used only with key-operated selector switches	

G = Knob-operated
M = Lever-operated
K = Key-operated

12 = Spring Return From Left
21 = Maintained
63 = Spring Return From Right

Blank = None
00 = None (Key-operated only)
91 = 1NO/1NC
92 = 2NO/2NC

Blank = Standard
51 = CH501

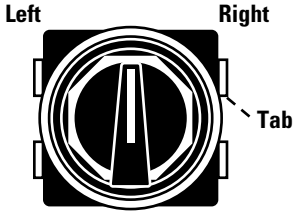
	Availability		
	Knob	Lever	Key
A = Chrome		■	■
B = Black	■	■	
E = Yellow	■		
G = Green	■		
L = Blue	■		
R = Red	■		

	Availability	
Key removal	Maintained	Spring return to center ↑
C = ↑		■
L = ↖	■	
M = ↖ ↗	■	
R = ↗	■	

Operation & Cam

Operation	Operator Position			Type Of Contact	Contact Mounting Position
	Left ↖	Center ↑	Right ↗		
Spring return from left (12)	0 X	X 0		NC NO	Left or Right Left or Right
Maintained (21)	X 0		0 X	NC NO	Left or Right Left or Right
Spring return from right (63)		X 0	0 X	NC NO	Left or Right Left or Right

Note: When using double contact block 91, NC contact is that closest to and mounted on the left side of the operator. When using double contact block 92, NC contact is that closest to the operator on each side.



Always view left-right facing operator

Tip for Quick Service: For small quantity orders of 2-position selector switches with contact configurations other than 91 or 92, order operator and contact blocks separately. Cam 12 is normally stocked with black knob; cam 21 is normally stocked with black knob or chrome lever.

Technical Data

General specifications

Standards & approvals	**UL Listed** - File Number E2403 **CSA Certified** - LR15492, Class 321103 **NEMA** - ICS2 - 1988 **IEC** 947.5.1 **VDE** 0660
Enclosure ratings	All units are suitable for use in **NEMA Type 1, 3, 3R, 3S, 4, 4X, 12 and 13** applications when mounted in enclosures rated for those same applications. For some NEMA 4X applications, protective caps will provide improved corrosion resistance.
Finger protection at terminals	**IP2X** according to IEC 529 Terminal identification per **CENELEC EN 50013**
Temperature range	Operating: -25° to +70° C / -13° to +158° F Storage: -40° to +70° C / -40° to 158° F
Climate suitability/humidity	Climate Type / Temperature / Relative Humidity Temperate: 74°F (23°C) / 50% Wet: 74°F (23°C) / 83% Hot Wet: 104°F (40°C) / 92% Variable Wet: 74°-104v F (23° to 40° C) / 83%-92%
Shock and vibration	**Resistance to shock** - 50g, 11ms **Frequency range** - 1-100 Hz **Vibration amplitude** - 1-13.2 Hz - displacement ±1mm 13.2-100 Hz - acceleration ±0.7g
Operating force	Standard recessed push buttons / Standard flush push buttons Without contact blocks: 1.625 lbf / 2.5 lbf With 1NO contact block: 2.5 lbf / 2.875 lbf With 2 NO contact blocks: 3.5 lbf / 3.5 lbf With 3 NO contact blocks: 4.0 lbf / 4.375 lbf
Wire size	22-12 AWG stranded or solid copper wire
Torque requirements	Terminal screws: 10-14 in-lbs Contact block mounting screws: 10-14 in-lbs