

Non-Illuminated Selector Switches (Assembled)



Assembled Selector Switches

A S W 3 (1) (L) 20 - 304

Function

S: Selector Switch

Series Designation

W: TW Series

Number of Positions

- 2: 2-Position
- 3: 3-Position
- 4: 4-Position
- 5: 5-Position

Spring Return Action

- Blank: Maintained
- 1: Spring return from Right (2 or 3 position)
- 2: Spring return from Left (2 or 3 position)
- 3: 2-Way spring return from Left and Right (3 position only)

Circuit Number

(Standard circuits shown on following pages and 720.)

Contact Arrangement Code

- 10: 1NO 01: 1NC
- 20: 2NO 02: 2NC
- 40: 4NO 04: 4NC
- 11: 1NO-1NC 22: 2NO-2NC

Operator Style Code

- Blank: Knob Operator
- L: Lever Operator
- K: Key Operator



- 1. Use only when interpreting part numbers. Do not use for developing part numbers.
- 2. Custom contact configurations available.
- 3. Custom key removable codes available.
- 4. Portions of part number inside () are optional.

Non-Illuminated Selector Switches (Assembled) continued

2-Position Selector Switches

Style					Part Number		
Contact	Mounting	Operator Position			Maintained	Spring Return from Right	Spring Return from Left
		L	R		L  R	L  R	L  R
1NO	1	0	X	Knob Lever Key	ASW210	ASW2110	ASW2210
	2	0	0		ASW2L10	ASW21L10	ASW22L10
					ASW2K10	ASW21K10	ASW22K10
1NC	1	X	0	Knob Lever Key	ASW201-116	ASW2101-116	ASW2201-116
	2	0	0		ASW2L01-116	ASW21L01-116	ASW22L01-116
					ASW2K01-116	ASW21K01-116	ASW22K01-116
1NO 1NC	1	X	0	Knob Lever Key	ASW211	ASW2111	ASW2211
	2	0	X		ASW2L11	ASW21L11	ASW22L11
					ASW2K11	ASW21K11	ASW22K11
2NO	1	0	X	Knob Lever Key	ASW220	ASW2120	ASW2220
	2	0	X		ASW2L20	ASW21L20	ASW22L20
					ASW2K20	ASW21K20	ASW22K20
2NC	1	X	0	Knob Lever Key	ASW202-104	ASW2102-104	ASW2202-104
	2	X	0		ASW2L02-104	ASW21L02-104	ASW22L02-104
					ASW2K02-104	ASW21K02-104	ASW22K02-104
2NO 2NC	1	0	X	Knob Lever Key	ASW222	ASW2122	ASW2222
	2	X	0		ASW2L22	ASW21L22	ASW22L22
	3	0	X		ASW2K22	ASW21K22	ASW22K22
2NO 2NC	1	0	X	Knob Lever Key	ASW222-111	ASW2122-111	ASW2222-111
	2	0	X		ASW2L22-111	ASW21L22-111	ASW22L22-111
	3	X	0		ASW2K22-111	ASW21K22-111	ASW22K22-111



Non-Illuminated Selector Switches (Assembled) continued

3-Position Selector Switches

Style		Operator Position				Part Number			
						Maintained	Spring Return from Right	Spring Return from Left	Spring Return Two-Way
Contact	Mounting	L	C	R					
2NO	1	X	0	0	Knob	ASW320	ASW3120	ASW3220	ASW3320
	2	0	0	X		ASW3L20	ASW31L20	ASW32L20	ASW33L20
						ASW3K20	ASW31K20	ASW32K20	ASW33K20
2NC	1	0	X	X	Knob	ASW302	ASW3102	ASW3202	ASW3302
	2	X	X	0		ASW3L02	ASW31L02	ASW32L02	ASW33L02
						ASW3K02	ASW31K02	ASW32K02	ASW33K02
2NO 2NC	1	X	0	0	Knob	ASW322	ASW3122	ASW3222	ASW3322
	2	0	0	X		ASW3L22	ASW31L22	ASW32L22	ASW33L22
	3	0	X	X		ASW3K22	ASW31K22	ASW32K22	ASW33K22
	4	X	X	0					
2NO 2NC	1	X	0	X	Knob	ASW322-309	ASW3122-309	ASW3222-309	ASW3322-309
	2	X	X	0		ASW3L22-309	ASW31L22-309	ASW32L22-309	ASW33L22-309
	3	0	X	0		ASW3K22-309	ASW31K22-309	ASW32K22-309	ASW33K22-309
	4	0	0	X					
2NO 2NC	1	0	X	0	Knob	ASW322-310	ASW3122-310	ASW3222-310	ASW3322-310
	2	0	0	X		ASW3L22-310	ASW31L22-310	ASW32L22-310	ASW33L22-310
	3	0	X	0		ASW3K22-310	ASW31K22-310	ASW32K22-310	ASW33K22-310
	4	0	0	X					
4NO	1	X	0	0	Knob	ASW340	ASW3140	ASW3240	ASW3340
	2	0	0	X		ASW3L40	ASW31L40	ASW32L40	ASW33L40
	3	X	0	0		ASW3K40	ASW31K40	ASW32K40	ASW33K40
	4	0	0	X					
4NC	1	0	X	X	Knob	ASW304	ASW3104	ASW3204	ASW3304
	2	X	X	0		ASW3L04	ASW31L04	ASW32L04	ASW33L04
	3	0	X	X		ASW3K04	ASW31K04	ASW32K04	ASW33K04
	4	X	X	0					



- The truth table indicates the operating position of contact block when the operator is switched to that position.
X = On (closed contacts)
0 = Off (open contacts)
X—X = Overlapping Contacts: Remain on (closed contacts) when switch is moved between these two positions.
- All knob and lever selector switches come in black. Other colors are available by ordering the knob or lever separately.
- Every key selector switch uses an identical key. The key is removable in any maintained position.
- Custom contact configurations are available, see page 720.

4-Position Selector Switch

Style		Operator Position				Maintained
						Part Number
Contact	Mounting	1	2	3	4	
2NO 2NC	1	X	0	0	0	Knob
	2	0	X	0	0	
	3	0	0	X	0	
	4	0	0	0	X	

5-Position Selector Switch

Style		Operator Position					Maintained
							Part Number
Contact	Mounting	1	2	3	4	5	
2NO 2NC	1	X	0	0	0	0	Knob
	2	0	X	0	0	0	
	3	0	0	0	X	0	
	4	0	0	0	0	X	

Non-Illuminated Selector Switches (Sub-Assembled)



- *Not needed with key type switches.
- *Knob type shown.

Operators

Style	Positions	Description	Part Number
	2	Maintained	ASW200
		Spring return from right	ASW2100
		Spring return from left	ASW2200
	3	Maintained, Cam 1	ASW300-1
		Maintained, Cam 2	ASW300-2
		Maintained, Cam 3	ASW300-3
		Spring return from right, Cam 1	ASW3100-1
		Spring return from right, Cam 2	ASW3100-2
		Spring return from left, Cam 1	ASW3200-1
		Spring return from left, Cam 2	ASW3200-2
	4	Spring return from left/right, Cam 1	ASW3300-1
		Spring return from left/right, Cam 2	ASW3300-2
	2	Maintained	ASW2K00
		Spring return from right	ASW21K00
		Spring return from left	ASW22K00
	3	Maintained, Cam 1	ASW3K00-1
		Maintained, Cam 2	ASW3K00-2
		Maintained, Cam 3	ASW3K00-3
		Spring return from right, Cam 1	ASW31K00-1
		Spring return from right, Cam 2	ASW31K00-2
		Spring return from left, Cam 1	ASW32K00-1
		Spring return from left, Cam 2	ASW32K00-2
	4	Spring return from left/right, Cam 1	ASW33K00-1
		Spring return from left/right, Cam 2	ASW33K00-2



- Two keys are supplied with every key switch, all are keyed alike, and removable from any maintained position.
- Locking rings are included with all operators. Order knobs, levers, and color inserts separately.
- Different cams produce different contact actions. For details, see page 720.
- Key switch operator supplied with black sleeve.

① Handle/Insert Color Codes

Color	Code
Black*	B
Blue	S
Green	G
Red	R
Yellow	Y
White†	W



- *Color inserts not available in black.
†Knob and lever not available in white.

Replacement Parts

Key Switch Black Sleeve	AKW2B-B
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Handles and Inserts

Style	Part Number
	ASWHHY-①
	ASWHHL-①
	TW-HC1-①

Contact Blocks

Style	Contacts	1NO	1NC
	Finger-Safe Spring-Up Terminal	HW-U10-F	HW-U01-F
		HW-U10R-F (early make)	HW-U01R-F (late break)
	Dummy Block	HW-DB	



- Push rod color code:
Green = NO contact block
Red = NC contact block.
- Dummy blocks (no contacts) are used with an odd number of contact blocks.