

Non-Illuminated Selector Switches (Assembled)



Assembled Selector Switches

A **S** **W** **3** **(1)** **(L)** **20** **(N)** - **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 585.)

Contacts Terminal Style

Blank: standard
N: Fingersafe (IP20)

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.

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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			
1NO	1	0	X	Knob	ASW210	ASW2110
	2	0	0		ASW2L10	ASW21L10
	0	0	0		ASW2K10	ASW21K10
1NC	1	X	0	Knob	ASW201-116	ASW2101-116
	2	0	0		ASW2L01-116	ASW21L01-116
	0	0	0		ASW2K01-116	ASW21K01-116
1NO 1NC	1	X	0	Knob	ASW211	ASW2111
	2	0	X		ASW2L11	ASW21L11
	0	X	0		ASW2K11	ASW21K11
2NO	1	0	X	Knob	ASW220	ASW2120
	2	0	X		ASW2L20	ASW21L20
	0	X	0		ASW2K20	ASW21K20
2NC	1	X	0	Knob	ASW202-104	ASW2102-104
	2	X	0		ASW2L02-104	ASW21L02-104
	0	X	0		ASW2K02-104	ASW21K02-104
2NO 2NC	1	0	X	Knob	ASW222	ASW2122
	2	X	0		ASW2L22	ASW21L22
	3	0	X		ASW2K22	ASW21K22
	4	X	0		ASW222	ASW2122
2NO 2NC	1	0	X	Knob	ASW222-111	ASW2122-111
	2	0	X		ASW2L22-111	ASW21L22-111
	3	X	0		ASW2K22-111	ASW21K22-111
	4	X	0		ASW222-111	ASW2122-111



Switches & Pilot Lights

Display Lights

Relays & Sockets

Timers

Terminal Blocks

Circuit Breakers

Non-Illuminated Selector Switches (Assembled) continued

3-Position Selector Switches

Style					Part Number			
Contact	Mounting	Operator Position			Maintained	Spring Return from Right	Spring Return from Left	Spring Return Two-Way
		L	C	R				
2NO	1	X	0	0	Knob Lever Key	ASW320 ASW3120 ASW3220	ASW3120 ASW31L20 ASW32L20	ASW3220 ASW33L20 ASW33K20
	2	0	0	X				
2NC	1	0	X	X	Knob Lever Key	ASW302 ASW3102 ASW3202	ASW3102 ASW31L02 ASW32L02	ASW3302 ASW33L02 ASW33K02
	2	X	X	0				
2NO	1	X	0	0	Knob Lever Key	ASW322 ASW3122 ASW3222	ASW3122 ASW31L22 ASW32L22	ASW3322 ASW33L22 ASW33K22
	2	0	0	X				
2NC	3	0	X	X	Knob Lever Key	ASW322 ASW3122 ASW3222	ASW3122 ASW31L22 ASW32L22	ASW3322 ASW33L22 ASW33K22
	4	X	X	0				
2NO	1	X	0	X	Knob Lever Key	ASW322-309 ASW3122-309 ASW3222-309	ASW3122-309 ASW31L22-309 ASW32L22-309	ASW3322-309 ASW33L22-309 ASW33K22-309
	2	X	X	0				
2NC	3	0	X	0	Knob Lever Key	ASW322-309 ASW3122-309 ASW3222-309	ASW3122-309 ASW31L22-309 ASW32L22-309	ASW3322-309 ASW33L22-309 ASW33K22-309
	4	0	0	X				
2NO	1	0	X	0	Knob Lever Key	ASW322-310 ASW3122-310 ASW3222-310	ASW3122-310 ASW31L22-310 ASW32L22-310	ASW3322-310 ASW33L22-310 ASW33K22-310
	2	0	0	X				
2NC	3	0	X	0	Knob Lever Key	ASW322-310 ASW3122-310 ASW3222-310	ASW3122-310 ASW31L22-310 ASW32L22-310	ASW3322-310 ASW33L22-310 ASW33K22-310
	4	0	0	X				
4NO	1	X	0	0	Knob Lever Key	ASW340 ASW3140 ASW3240	ASW3140 ASW31L40 ASW32L40	ASW3340 ASW33L40 ASW33K40
	2	0	0	X				
4NC	3	X	0	0	Knob Lever Key	ASW340 ASW3140 ASW3240	ASW3140 ASW31L40 ASW32L40	ASW3340 ASW33L40 ASW33K40
	4	0	0	X				
4NO	1	0	X	X	Knob Lever Key	ASW304 ASW3104 ASW3204	ASW3104 ASW31L04 ASW32L04	ASW3304 ASW33L04 ASW33K04
	2	X	X	0				
4NC	3	0	X	X	Knob Lever Key	ASW304 ASW3104 ASW3204	ASW3104 ASW31L04 ASW32L04	ASW3304 ASW33L04 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 585.

4-Position Selector Switch

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

5-Position Selector Switch

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

Switches & Pilot Lights

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Non-illuminated Selector Switches (Sub-Assembled)



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

Operators

Style	Positions	Description	Part Number
Knob/Lever	2	Maintained	ASW200
		Spring return from right	ASW2100
		Spring return from left	ASW2200
Key	3	Maintained, Cam 1	ASW300-1
		Maintained, Cam 2	ASW300-2
		Maintained, Cam 3	ASW300-3
	2	Spring return from right, Cam 1	ASW3100-1
		Spring return from right, Cam 2	ASW3100-2
		Spring return from left, Cam 1	ASW3200-1
4	Spring return from left, Cam 2	ASW3200-2	
	Spring return from left/right, Cam 1	ASW3300-1	
	Spring return from left/right, Cam 2	ASW3300-2	
5	Maintained, Standard Cam	ASW400	
	Maintained, Cam 1	ASW400-1	
Key	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
2	Spring return from right, Cam 1	ASW31K00-1	
	Spring return from right, Cam 2	ASW31K00-2	
	Spring return from left, Cam 1	ASW32K00-1	
3	Spring return from left, Cam 2	ASW32K00-2	
	Spring return from left/right, Cam 1	ASW33K00-1	
Spring return from left/right, Cam 2	ASW33K00-2		

Handles and Inserts

Style	Part Number
Knob	ASWHHY-⊕
Lever	ASWHHL-⊕
Color Insert	TW-HC1-⊕

Contact Blocks

Style	Part Number	
	1NO	1NC
Standard Exposed Screw	HW-C10	HW-C01
Fingersafe (IP20), CE marked	HW-C10R (early make)	HW-C01R (late break)
	HW-F10	HW-F01
Dummy Block	HW-F10R (early make)	HW-F01R (late break)
	TW-DB	

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

Replacement Parts

Key Switch Black Sleeve	AKW2B-B
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- 1. Two keys are supplied with every key switch, all are keyed alike, and removable from any maintained position.
- 2. Locking rings are included with all operators. Order knobs, levers, and color inserts separately.
- 3. Different cams produce different contact actions. For details, see contact arrangement charts, page 585.
- 4. 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

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

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