

Selector Switches 2-Position (Assembled)



2-Position Selector Switches

Contact	Mounting	Operator Position		Handle	Maintained	Spring Return from Right
						
Operator Only				Knob Lever	HWⓈS-2T HWⓈS-2L	HWⓈS-21T HWⓈS-21L
1NO	1	0	X	Knob Lever	HWⓈS-2TF10 HWⓈS-2LF10	HWⓈS-21TF10 HWⓈS-21LF10
1NO-1NC	1	0	X	Knob Lever	HWⓈS-2TF11 HWⓈS-2LF11	HWⓈS-21TF11 HWⓈS-21LF11
	2	X	0			
2NO	1	0	X	Knob Lever	HWⓈS-2TF20 HWⓈS-2LF20	HWⓈS-21TF20 HWⓈS-21LF20
	2	0	X			
2NO-2NC	1	X	0	Knob Lever	HWⓈS-2TF22 HWⓈS-2LF22	HWⓈS-21TF22 HWⓈS-21LF22
	2	0	X			
	3	X	0			
	4	0	X			

-
1. In place of Ⓢ enter 1 for plastic bezel or 4 for metal bezel.

2. For nameplates, see page 646.

3. All assembled part numbers in catalog include standard fingersafe (HW-F...) contacts.

4. Assembled units with spring-up terminals (HW-G...) can be ordered by removing an "F" from the part number (Ex. HW1B-M1F11-R becomes HW1B-M111-R).

5. Units with exposed screw terminals (HW-C...) must be ordered as sub-components.

6. Standard color for knob and lever is black.

7. Optional colors available for lever type. Must order in components. See next page for part numbers.

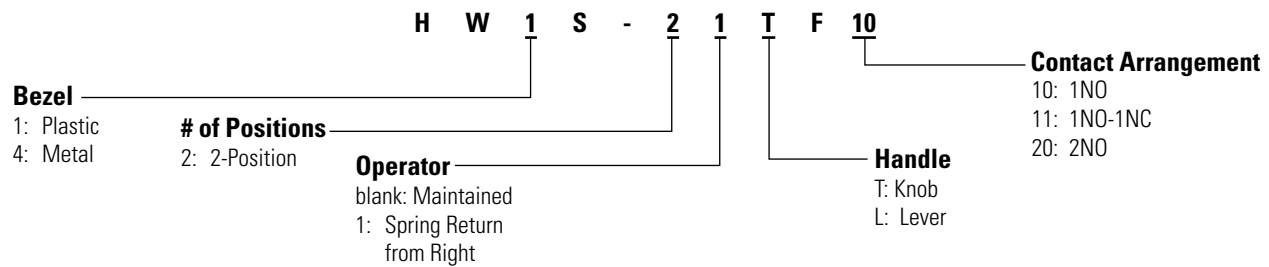
8. Additional contact configurations available (up to 6 total contacts).

9. For Truth Tables see page 658.

Ⓢ Bezel Type

Type	Code
Plastic	1
Metal	4

Part Number Structure



Selector Switches 2-Position (Replacement Parts)

Contact Blocks	+	Mounting Adaptor	+	Safety Lever Lock	+	Anti-Rotation Ring	+	Operator	=	Completed Unit
----------------	---	------------------	---	-------------------	---	--------------------	---	----------	---	----------------



Contact Blocks

Style	Contacts	1NO	1NC
	Standard Fingersafe (IP20)	HW-F10	HW-F01
		HW-F10R (early make)	HW-F01R (late break)
	Spring-Up Terminal	HW-G10	HW-G01
		HW-G10R (early make)	HW-G01R (late break)
	Exposed Screw Terminal	HW-C10	HW-C01
		HW-C10R (early make)	HW-C01R (late break)
	Dummy Block	TW-DB	

Anti-Rotation Ring

Style	Part Number
	HW9Z-RL



Use with notched panel cutout to prevent unit rotation.

Operators

Style	Description	Handle	Plastic Bezel	Metal Bezel
	Maintained	Knob	HW1S-2T	HW4S-2T
		Lever	HW1S-2	HW4S-2
	Spring Return from Right	Knob	HW1S-21T	HW4S-21T
		Lever	HW1S-21	HW4S-21



1. Knob operator comes with black handle.
2. To order lever type, lever and inserts must be ordered separately, along with lever operator. See part numbers below.

Contact Block Mounting Adaptor

Style	Part Number
	HW-CB2C



1. Used to mount contact blocks to operator (first pair only).
2. IDEC strongly recommends using the safety lever lock to prevent heavy vibration or maintenance personnel from inadvertently unlocking contacts.

Safety Lever Lock

Style	Part Number
	HW9Z-LS

Levers & Inserts

Style	Part Number
	ASWHHL-①
	TW-HC1-①



Standard lever color is black. Standard insert color is white.

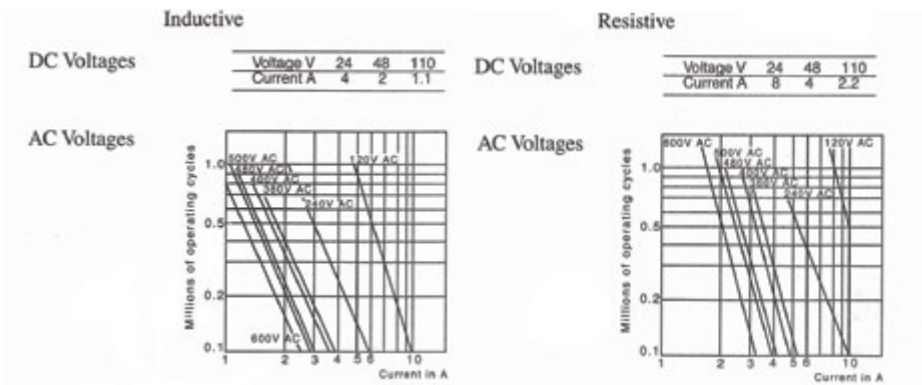
① Handle/Insert Color Code

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



1. * Lever color inserts not available in black.
2. †Lever not available in white.

Specification Charts



Conforming to IED 947-5-1 Appendix C.
Utilization categories AC-15 and DC-13.
Operation rate: 1,800 op. hour
Load factor:
Inductive 0.4 ± 0.05
Resistive 0.9 ± 0.05

2 Position Selector Switches

	Contact	Mounting Position	Operator Position	
			Left	Right
HW1S-2T HW1K-2* HW1F-2	HW-F10 (NO)	L	0	X
		R	0	X
	HW-F01 (NC)	L	X	0
		R	X	0
	HW-F10R (NO-EM)	L	0	X
		R	0	X
	HW-F01R (NC-LB)	L	X	0
		R	X	0

Operator Truth Tables

3 Position Selector Switches can't

	Contact	Mounting Position	Operator Position		
			Left	Center	Right
HW1S-3JT HW1K-3J*	HW-F10 (NO)	L	X	0	0
		R	0	0	X
	HW-F01 (NC)	L	0	X	0
		R	0	X	0
	HW-F10R (NO-EM)	L	X	0	X
		R	X	0	X
	HW-F01R (NC-LB)	L	0	X	X
		R	X	X	0

3 Position Selector Switches

	Contact	Mounting Position	Operator Position		
			Left	Center	Right
HW1S-3T HW1K-3* HW1F-3	HW-F10 (NO)	L	X	0	0
		R	0	0	X
	HW-F01 (NC)	L	0	X	X
		R	X	X	0
	HW-F10R (NO-EM)	L	X	0	0
		R	0	0	X
	HW-F01R (NC-LB)	L	0	X	X
		R	X	X	0

4 Position Selector Switches

	Contact	Mounting Position	Operator Position			
			1	2	3	4
HW1S-4T	HW-F10 (NO)	L	X	0	0	0
		R	0	0	0	X
	HW-F01 (NC)	L	0	0	X	0
		R	0	X	0	0
	HW-F10R (NO-EM)	L	X	X	0	X
		R	X	0	X	X
	HW-F01R (NC-LB)	L	0	X	X	X
		R	X	X	X	0

5 Position Selector Switches

	Contact	Mounting Position	Operator Position				
			1	2	3	4	5
HW1S-5T	HW-F10 (NO)	L	X	0	0	0	0
		R	0	0	0	0	X
	HW-F01 (NC)	L	0	0	0	X	0
		R	0	X	0	0	0
	HW-F10R (NO-EM)	L	X	X	X	0	X
		R	X	0	X	X	X
	HW-F01R (NC-LB)	L	0	X	X	X	X
		R	X	X	X	X	0



1. Mounting position indicates which side of operator each contact should be mounted (as viewed from the front of the panel).
2. *For key removable code see page 629.

3. HW1S-3T is identified by white plungers on the operator.
4. HW1S-3ST is identified by red plungers on the operator.
5. HW1S-3JT is identified by black plungers on the operator.