

Mono Lever Switches 2-Position (Assembled)



2-Position Mono Lever Switches

Description	Part Number	Description
HW1M Standard Lever	HW1M-F1010-20	Maintained up and down
	HW1M-F2020-20	Spring return up and down
	HW1M-F1010-40	Maintained up and down
	HW1M-F2020-40	Spring return up and down
	HW1M-F0101-20	Maintained right and left
	HW1M-F0202-20	Spring return right and left
	HW1M-F0101-40	Maintained right and left
HW1M-L Interlocking Lever	HW1M-F0202-40	Spring return right and left
	HW1M-LF1010-20	Maintained up and down
	HW1M-LF2020-20	Spring return up and down
	HW1M-LF1010-40	Maintained up and down
	HW1M-LF2020-40	Spring return up and down
	HW1M-LF0101-20	Maintained right and left
	HW1M-LF0202-20	Spring return right and left
	HW1M-LF0101-40	Maintained right and left
	HW1M-LF0202-40	Spring return right and left

- 1. All assembled part numbers in catalog include standard (HW-F...) contacts.
- 2. 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).
- 3. Units with exposed screw terminals (HW-C...) must be ordered as sub-components.
- 4. Additional contact configurations available (up to 6 total contacts).

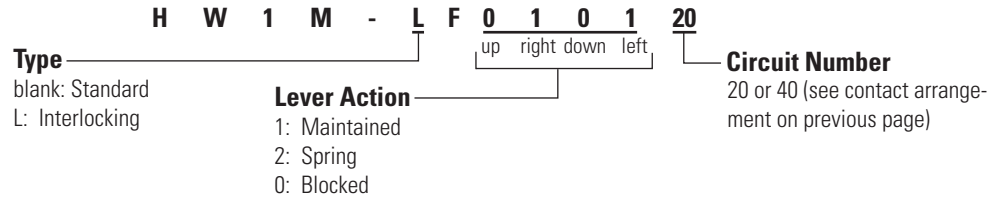
**Circuit Diagrams
2 Position Left/Right**

Circuit Number	Contact Mounting		Position		
	No.		Left	Center	Right
20	1	HW-F10	X	0	0
	2	HW-F10	0	0	X
40	1	HW-F10	X	0	0
	2	HW-F10	0	0	X
	3	HW-F10	X	0	0
	4	HW-F10	0	0	X

2 Position Up/Down

Circuit Number	Contact Mounting		Position		
	No.		Down	Center	Up
20	1	HW-F10	X	0	0
	2	HW-F10	0	0	X
40	1	HW-F10	X	0	0
	2	HW-F10	0	0	X
	3	HW-F10	X	0	0
	4	HW-F10	0	0	X





Part Number Structure



Mono Lever Switches 2-Position (Sub-assembled) Part Numbers



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

Appearance	Part Number
	HW9Z-RL


 Use with notched panel cutout to prevent unit rotation.

Operators

Appearance	Description	Part Number
	Standard	Maintained Up/Down
		Spring return Up/Down
		Maintained Left/Right
		Spring return Left/Right
	Interlocking	Maintained Up/Down
		Spring return Up/Down
		Maintained Left/Right
		Spring return Left/Right

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 (included) to prevent heavy vibration or maintenance personnel from inadvertently unlocking contacts.

Replacement Parts

Item	Part Number
Black Cap 	HW9Z-CPM
Boot 	HW9Z-BLM (fits standard operator only)

Mono Lever Switches 3- & 4-Position (Assembled)



Switches & Pilot Lights

Display Lights

Relays & Sockets

Timers

Terminal Blocks

Circuit Breakers

3-Position

Description	Part Number	Description
HW1M Standard Lever	HW1M-F0121-30	Maintained right and left, spring return down
	HW1M-F0222-30	Spring return right, down, left
HW1M-L Interlocking Lever	HW1M-LF0121-30	Maintained right and left, spring return down
	HW1M-LF0222-30	Spring return right, down, left

Circuit Diagram

Circuit Number	Contact Mounting		Position				
	No.		Down	Left	Center	Up	Right
30	1	HW-F01	0	0	0	0	X
	2	HW-F01	X	0	0	0	0
	3	HW-F10	0	X	0	0	0

4-Position

Description	Part Number	Description
HW1M Standard Lever	HW1M-F1111-22N9	Maintained all positions
	HW1M-F1212-22N9	Maintained up and down, spring left and right
	HW1M-2121-22N9	Spring up and down, main- tained left and right
	HW1M-2222-22N9	Spring return all positions
HW1M-L Interlocking Lever	HW1M-LF1111-22N9	Maintained all positions
	HW1M-LF1212-22N9	Maintained up and down, spring left and right
	HW1M-LF2121-22N9	Spring up and down, main- tained left and right
	HW1M-LF2222-22N9	Spring return all positions

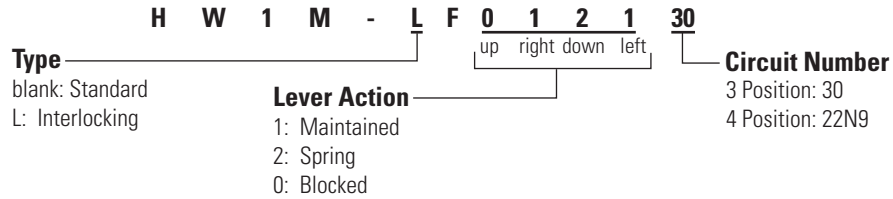
Circuit Diagram

Circuit Number	Contact Mounting		Position				
	No.		Down	Left	Center	Up	Right
22N9	1	HW-F01	0	0	0	0	X
	2	HW-F01	X	0	0	0	0
	3	HW-F10	0	X	0	0	0
	4	HW-F10	0	0	0	X	0



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3. Units with exposed screw terminals (HW-C...) must be ordered as sub-components.
4. Additional contact configurations available (up to 6 total contacts).

Part Number Structure



Mono Lever Switches 3 & 4-Position (Sub-assembled) Part Numbers



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

Appearance	Part Number
	HW9Z-RL

Use with notched panel cutout to prevent unit rotation.

Operators

Appearance	Description	Part Number
	Standard	Combination, 3 position
	Spring return, 3 position	HW1M-0121
	Maintained, 4 position	HW1M-0222
	Combination, 4 position	HW1M-1111
	Combination, 4 position	HW1M-1212
	Spring return, 4 position	HW1M-2121
	Interlocking	Combination, 3 position
	Spring return, 3 position	HW1M-L0121
	Maintained, 4 position	HW1M-L0222
	Combination, 4 position	HW1M-L1111
	Combination, 4 position	HW1M-L1212
	Spring return, 4 position	HW1M-L2121

Contact Block Mounting Adaptor

Style	Part Number
	HW-CB2C

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- 2. IDEC strongly recommends using the safety lever lock (included) to prevent heavy vibration or maintenance personnel from inadvertently unlocking contacts.

Replacement Parts

Item	Part Number
Black Cap 	HW9Z-CPM
Boot 	HW9Z-BLM (fits standard operator only)

Switches & Pilot Lights

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Terminal Blocks

Circuit Breakers