

Illuminated Round Pushbuttons (Assembled)



Illuminated Full Voltage Pushbuttons



	Contacts	Flush		Extended		Extended w/ Full Shroud	
		Plastic Bezel	Metal Bezel	Plastic Bezel	Metal Bezel	Plastic Bezel	Metal Bezel
Momentary	Operator Only	HW1L-M1-②	HW4L-M1-②	HW1L-M2-②	HW4L-M2-②	HW1L-MF2-②	HW4L-MF2-②
	1NO	HW1L-M1F10Q④-②-③	HW4L-M1F10Q④-②-③	HW1L-M2F10Q④-②-③	HW4L-M2F10Q④-②-③	HW1L-MF2F10Q④-②-③	HW4L-MF2F10Q④-②-③
	1NC	HW1L-M1F01Q④-②-③	HW4L-M1F01Q④-②-③	HW1L-M2F01Q④-②-③	HW4L-M2F01Q④-②-③	HW1L-MF2F01Q④-②-③	HW4L-MF2F01Q④-②-③
	1NO-1NC	HW1L-M1F11Q④-②-③	HW4L-M1F11Q④-②-③	HW1L-M2F11Q④-②-③	HW4L-M2F11Q④-②-③	HW1L-MF2F11Q④-②-③	HW4L-MF2F11Q④-②-③
	2NO	HW1L-M1F20Q④-②-③	HW4L-M1F20Q④-②-③	HW1L-M2F20Q④-②-③	HW4L-M2F20Q④-②-③	HW1L-MF2F20Q④-②-③	HW4L-MF2F20Q④-②-③
Maintained	Operator Only	HW1L-A1-②	HW4L-A1-②	HW1L-A2-②	HW4L-A2-②	HW1L-AF2-②	HW4L-AF2-②
	1NO	HW1L-A1F10Q④-②-③	HW4L-A1F10Q④-②-③	HW1L-A2F10Q④-②-③	HW4L-A2F10Q④-②-③	HW1L-AF2F10Q④-②-③	HW4L-AF2F10Q④-②-③
	1NC	HW1L-A1F01Q④-②-③	HW4L-A1F01Q④-②-③	HW1L-A2F01Q④-②-③	HW4L-A2F01Q④-②-③	HW1L-AF2F01Q④-②-③	HW4L-AF2F01Q④-②-③
	1NO-1NC	HW1L-A1F11Q④-②-③	HW4L-A1F11Q④-②-③	HW1L-A2F11Q④-②-③	HW4L-A2F11Q④-②-③	HW1L-AF2F11Q④-②-③	HW4L-AF2F11Q④-②-③
	2NO	HW1L-A1F20Q④-②-③	HW4L-A1F20Q④-②-③	HW1L-A2F20Q④-②-③	HW4L-A2F20Q④-②-③	HW1L-AF2F20Q④-②-③	HW4L-AF2F20Q④-②-③

Illuminated Transformer Pushbuttons



	Contacts	Flush		Extended		Extended w/ Full Shroud	
		Plastic Bezel	Metal Bezel	Plastic Bezel	Metal Bezel	Plastic Bezel	Metal Bezel
Momentary	Operator Only 1NO-1NC 2NO	HW1L-M1-②	HW4L-M1-②	HW1L-M2-②	HW4L-M2-②	HW1L-MF2-②	HW4L-MF2-②
		HW1L-M1F11③④-②	HW4L-M1F11③④-②	HW1L-M2F11③④-②	HW4L-M2F11③④-②	HW1L-MF2F11③④-②	HW4L-MF2F11③④-②
		HW1L-M1F20③④-②	HW4L-M1F20③④-②	HW1L-M2F20③④-②	HW4L-M2F20③④-②	HW1L-MF2F20③④-②	HW4L-MF2F20③④-②
	Maintained	Operator Only 1NO-1NC 2NO	HW1L-A1-②	HW4L-A1-②	HW1L-A2-②	HW4L-A2-②	HW1L-AF2-②
HW1L-A1F11③④-②			HW4L-A1F11③④-②	HW1L-A2F11③④-②	HW4L-A2F11③④-②	HW1L-AF2F11③④-②	HW4L-AF2F11③④-②
HW1L-A1F20③④-②			HW4L-A1F20③④-②	HW1L-A2F20③④-②	HW4L-A2F20③④-②	HW1L-AF2F20③④-②	HW4L-AF2F20③④-②



- In place of ②, specify Lens/LED Color Code from table.
- In place of ③ specify Voltage Code from table.
- In place of ④ specify Lamp Code from table.
- Light independent of switch position.
- For replacement part numbers, see page 517.
- For nameplates and accessories, see page 546 and 549.
- For dimensions, see page 551.
- For contact assembly part numbers, see page 550.
- Full voltage and transformer models use the same operator.
- Additional contact configurations available (up to 6 total contacts).
- Yellow pushbutton comes with white LED.**

② Lens/LED Color Code

Color	Code
Amber	A
Green	G
Red	R
Blue	S
White	W
Yellow	Y



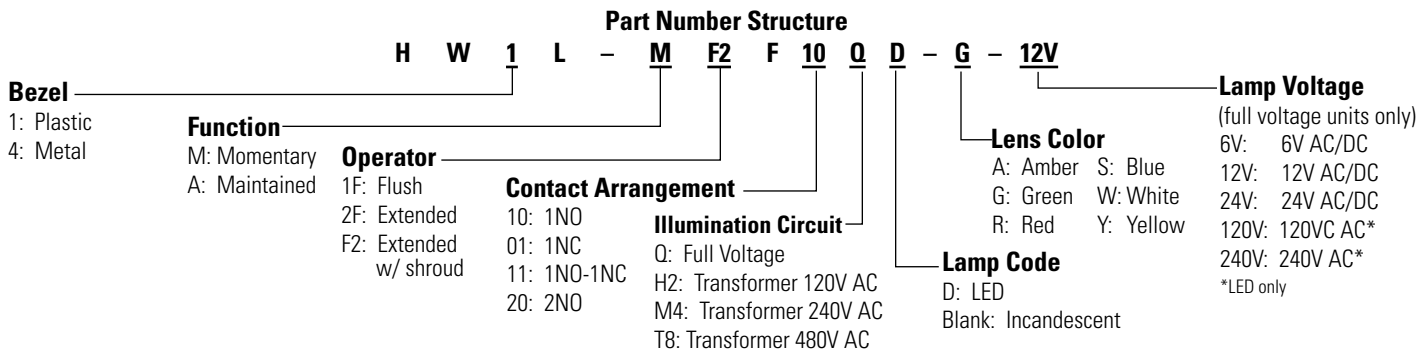
Yellow LED not available. Use white LED for yellow lens.

③ Voltage Code

Full Voltage Models		Transformer Models	
Voltage	Code	Voltage	Code
6V AC/DC	6V	120V AC	H2
12V AC/DC	12V	240V AC	M4
24V AC/DC	24V	480V AC	T8
120V AC (LED only)	120V		
240V AC (LED only)	240V		

④ Lamp Code

Lamp	Code
Incandescent	Blank
LED	D



Illuminated Round Pushbuttons (Replacement Parts)

Transformer*	+	Contact Blocks	+	Lead Holder	+	Mounting Adaptor	+	Safety Lever Lock	+	Lamp	+	Anti-Rotation Ring	+	Operator	+	Lens	=	Completed Unit



*Transformer not needed with full voltage models.

Lamp Circuit Components

Style	Description	Terminals	Part Number
Lead Holder 	For use with HW-CBL on all illuminated pushbutton units. One required for each deck (pair) of contacts.		HW-LH3
Dummy Block with Full Voltage Adaptor 	For use with odd number of contacts.	Fingersafe	HW-DA1FB
		Exposed	HW-DA1B
		Spring Up	HW-GA1
Full Voltage Adaptor 	For use with even number of contacts.	Fingersafe	TW-DA1FB
		Exposed	TW-DA1B
Transformer Unit (6V secondary voltage) 	120VAC	Fingersafe	TW-F126B
	240VAC		TW-F246B
	480VAC		TW-F486B
	120V	Spring Up	HW-T126
	240V		HW-T246
	480V		HW-L486
	120V	Exposed	TW-T126B
	240V		TW-T246B
	480V		TW-T486B
DC-DC Converter	110VDC		HW-L16D



HW-GA1 "Dummy Block with full voltage adaptor" does not require the use of HW-LH3.

Operators

Style			Plastic Bezel	Metal Bezel
Round Flush/Extended 	Momentary		HW1L-M0	HW4L-M0
	Maintained		HW1L-A0	HW4L-A0
Extended with Full Shroud 	Momentary		HW1L-MF0	HW4L-MF0
	Maintained		HW1L-AF0	HW4L-AF0

Contact Blocks

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



- All assembled part numbers in catalog include standard fingersafe (HW-F...) contacts.
- 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).
- Units with exposed screw terminals (HW-C...) must be ordered as sub-components.

Contact Block Mounting Adaptor

Style	Part Number
	HW-CBL



- Used to mount contact blocks to operator (first pair only).
- 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

Lenses

Style	Part Number
Round Flush 	HW1A-L1-②
Round Extended 	HW1A-L2-②



In place of ②, specify the Lens Color Code from previous page.

Anti-Rotation Ring

Appearance	Part Number
	HW9Z-RL



Use with notched panel cutout to prevent unit rotation.

Lamps

Type	Voltage	Part Number
LED 	6V AC/DC	LSTD-6②
	12V AC/DC	LSTD-1②
	24V AC/DC	LSTD-2②
	120V AC	LSTD-H2②
	240V AC	LSTD-M4②
Incandescent 	6V AC/DC	IS-6
	12V AC/DC	IS-12
	24V AC/DC	IS-24



- In place of ②, specify the LED Color Code.
- The LED contains a current-limiting resistor and reverse polarity protection diodes.

Illuminated Mushroom & Square Pushbuttons (Assembled)



		40mm Mushroom Head			Square Flush
		Contacts	Plastic Bezel	Metal Bezel	Plastic Bezel
Full Voltage	Momentary	Operator Only†	HW1L-M4-②	HW4L-M4-②	HW2L-M1-②
		1NO	HW1L-M4F10Q④-②-③	HW4L-M4F10Q④-②-③	HW2L-M1F10Q④-②-③
		1NC	HW1L-M4F01Q④-②-③	HW4L-M4F01Q④-②-③	HW2L-M1F01Q④-②-③
		1NO-1NC	HW1L-M4F11Q④-②-③	HW4L-M4F11Q④-②-③	HW2L-M1F11Q④-②-③
		2NO	HW1L-M4F20Q④-②-③	HW4L-M4F20Q④-②-③	HW2L-M1F20Q④-②-③
	Maintained	Operator Only†	HW1L-A4-②	HW4L-A4-②	HW2L-A1-②
		1NO	HW1L-A4F10Q④-②-③	HW4L-A4F10Q④-②-③	HW2L-A1F10Q④-②-③
		1NC	HW1L-A4F01Q④-②-③	HW4L-A4F01Q④-②-③	HW2L-A1F01Q④-②-③
		1NO-1NC	HW1L-A4F11Q④-②-③	HW4L-A4F11Q④-②-③	HW2L-A1F11Q④-②-③
		2NO	HW1L-A4F20Q④-②-③	HW4L-A4F20Q④-②-③	HW2L-A1F20Q④-②-③
Transformer	Momentary	1NO-1NC	HW1L-M4F11③④-②	HW4L-M4F11③④-②	HW2L-M1F11③④-②
		2NO	HW1L-M4F20③④-②	HW4L-M4F20③④-②	HW2L-M1F20③④-②
	Maintained	1NO-1NC	HW1L-A4F11③④-②	HW4L-A4F11③④-②	HW2L-A1F11③④-②
		2NO	HW1L-A4F20③④-②	HW4L-A4F20③④-②	HW2L-A1F20③④-②



- [†] Full voltage and transformer units use the same operator.
- In place of ②, specify the Lens/LED Color Code from table.
- In place of ③ specify the Voltage Code from table.
- In place of ④ specify Lamp Type Code from table.
- Light independent of switch position
- For nameplates and accessories, see page 546 and 549.
- For dimensions, see page 551.
- For contact assembly part numbers, see page 550.
- Additional contact configurations available (up to 6 total contacts).
- 10. Yellow pushbutton comes with white LED.**

② Lens/LED Color Code

Color	Code
Amber	A
Green	G
Red	R
Blue	S
White	W
Yellow	Y*



- *40mm mushroom lenses not available in yellow.
- Yellow LED not available. Use white LED for yellow lens.

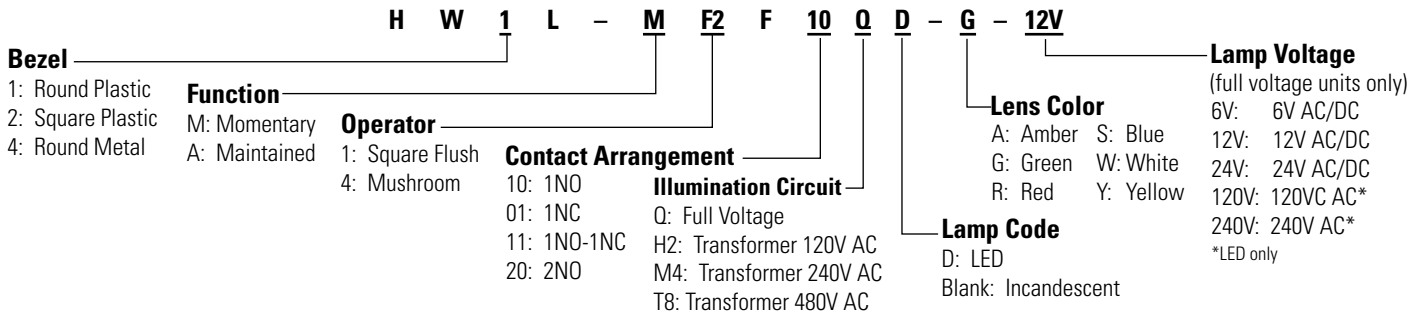
③ Voltage Code

Full Voltage Models		Transformer Models	
Voltage	Code	Voltage	Code
6V AC/DC	6V	120V AC	H2
12V AC/DC	12V	240V AC	M4
24V AC/DC	24V	480V AC	T8
120V AC (LED only)	120V		
240V AC (LED only)	240V		

④ Lamp Code

Lamp	Code
Incandescent	Blank
LED	D

Part Number Structure



Illuminated Mushroom & Square Pushbuttons (Replacement Parts)

Transformer*	+	Contact Blocks	+	Lead Holder	+	Adaptor†	+	Safety Lever Lock	+	Lamp	+	Anti-Rotation Ring	+	Operator	+	Lens	=	Completed Unit



*Transformer not needed with full voltage models.

Lamp Circuit Components

Style	Description	Terminals	Part Number
	For use with HW-CBL on all illuminated pushbutton units. One required for each deck (pair) of contacts.		HW-LH3
	For use with odd number of contacts.	Fingersafe	HW-DA1FB
		Exposed	HW-DA1B
		Spring Up	HW-GA1
	For use with even number of contacts.	Fingersafe	TW-DA1FB
		Exposed	TW-DA1B
	120VAC	Fingersafe	TW-F126B
	240VAC		TW-F246B
	480VAC		TW-F486B
	120V	Spring Up	HW-T126
	240V		HW-T246
	480V		HW-L486
	120V	Exposed	TW-T126B
	240V		TW-T246B
	480V		TW-T486B
DC-DC Converter	110VDC		HW-L16D



HW-GA1 "Dummy Block with full voltage adaptor" does not require the use of HW-LH3.

Operators

Style			Plastic Bezel	Metal Bezel
ø40mm Mushroom		Momentary	HW1L-MOL	HW4L-MOL
		Maintained	HW1L-AOL	HW4L-AOL
Square		Momentary	HW2L-MO	
		Maintained	HW2L-AO	

Contact Blocks

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



- All assembled part numbers in catalog include standard fingersafe (HW-F...) contacts.
- 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).
- Units with exposed screw terminals (HW-C...) must be ordered as sub-components.

Contact Block Mounting Adaptor

Style	Part Number
	HW-CBL



- Used to mount contact blocks to operator (first pair only).
- 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

Lenses

Style	Part Number
ø40mm Mushroom Lens	ALW4BLU-②*
Square Flush	HW2A-L1-②



- In place of ②, specify the Lens Color Code.
- *Mushroom lens not available in yellow.

Anti-Rotation Ring

Appearance	Part Number
	HW9Z-RL



Use with notched panel cutout to prevent unit rotation.

Lamps

Type	Voltage	Part Number
	6V AC/DC	LSTD-6②
	12V AC/DC	LSTD-1②
	24V AC/DC	LSTD-2②
	120V AC	LSTD-H2②
	240V AC	LSTD-M4②
	6V AC/DC	IS-6
	12V AC/DC	IS-12
	24V AC/DC	IS-24



- In place of ②, specify the LED Color Code.
- The LED contains a current-limiting resistor and reverse polarity protection diodes.