

## Design enhancements elevate HW and TW series of switches



## HW and TW Series of Switches: New Contact Block and Full Voltage Adapter/Transformer

IDEC is proudly approaching toward the unification of its contact blocks. In particular, the new HW-U contact block brings innovative design improvements to our line of 22mm (HW and TW) switch products, as well as uniformity to our new 30mm (TWND) switches. The major benefit is that one enhanced contact block type will be used among all three series.

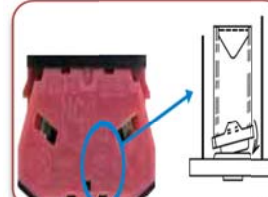
Additional benefits include:

- Reduced number of stocked items for users, who assemble switch products in-house
- Reduced inventory costs



The design advantages of the new HW-U contact blocks includes:

- Spring-up terminals
- Ability to accept both ring or fork terminals
- Side entries for wiring
- Finger-safe (IP20) rating, protects users from accidental electrical shocks
- Identical ratings and agency approvals as existing blocks, no need to derate.



### Labor Saving Design

Easy snap on contacts that can be detached by simply using a flathead screwdriver

### Secure Screw Terminals

Finger-safe (IP20) spring-up terminals prevent screws from falling off while wiring, improving workability.

### Wiring Versatility

Each screw terminal has 2 points of entry for wiring

### Reliable Contacts

Stable contact reliability by way of a proven rolling contact method

**Contact Block Cross Referenece**



Contact	Current Contact Block		NEW Universal Contact Block
	Type	Part Number	Part Number
Normally Open	Finger-safe	HW-F10	HW-U10
	Exposed-screw	HW-C10	
	Spring-up	HW-G10	
Normally Open Early-make	Finger-safe	HW-F10R	HW-U10R
	Exposed-screw	HW-C10R	
	Spring-up	HW-G10R	
Normally Open Gold-plated	Spring-up	HW-G10-MAU	HW-U10-MAU
Normally Open Early-make Gold-plated	Spring-up	HW-G10R-MAU	HW-U10R-MAU
Normally Close	Finger-safe	HW-F01	HW-U01
	Exposed-screw	HW-C01	
	Spring-up	HW-G01	
Normally Close Late-break	Finger-safe	HW-F01R	HW-U01R
	Exposed-screw	HW-C01R	
	Spring-up	HW-G01R	
Normally Close Gold-plated	Spring-up	HW-G01-MAU	HW-U01-MAU
Normally Close Late-break Gold-plated	Spring-up	HW-G01R-MAU	HW-U01R-MAU

In terms of part numbers and product BOMs, please note the following adjustments:


## HW series

### Contact Block Enhancement


- Finger-safe part numbers using the **HW-F** finger-safe contact block, in their respective BOMs, will be updated with the new **HW-U** universal contact block.
  - Part number will remain the same.
  - Example:

Current		New	
<b>HW1B-M1F10-B</b>		<b>HW1B-M1F10-B</b>	
BOM	HW-F10		HW-U10
	TW-DB		HW-DB
	HW1A-B1-B		HW1A-B1-B
	HW1B-M0		HW1B-M0
	HW9Z-RL		HW9Z-RL
	HW-CB2C		HW-CB2C
	HW9Z-LS		HW9Z-LS

- Part number using the **HW-C** exposed-screw and **HW-G** spring-up contact block, in their respective BOMs, will be **discontinued** and replaced by a finger-safe part number.
  - Example: Part number that uses **HW-C\*** contact block

Current		New	
<b>HW1B-M1C01-G</b>		<b>HW1B-M1F01-G</b>	
BOM	HW-C01		HW-U01
	TW-DB		HW-DB
	HW1B-M0		HW1B-M0
	HW1A-B1-G		HW1A-B1-G
	HW9Z-RL		HW9Z-RL
	HW-CB2C		HW-CB2C
	HW9Z-LS		HW9Z-LS

- Example: Part number that uses **HW-G\*** contact block

Current		New	
<b>HW1B-M102-B</b>		<b>HW1B-M1F02-B</b>	
BOM	HW-G01 (x2)		HW-U01 (x2)
	TW-DB		HW-DB
	HW1B-M0		HW1B-M0
	HW1A-B1-G		HW1A-B1-G
	HW9Z-RL		HW9Z-RL
	HW-CB2C		HW-CB2C
	HW9Z-LS		HW9Z-LS

### Full Voltage Adapter and Transformer

- For certain illuminated-type switches, the location of the full voltage adapter and transformer will be repositioned to accommodate the new contact block and new voltage adapter and transformer.
- Please review the attached excel file, which depicts the current and new positioning of the voltage adapter and transformer so wiring can be adjusted accordingly.

## TW series

### Contact Block Enhancement

- Part numbers using the **HW-C** exposed-screw contact block, in their respective BOMs, will be updated with the new HW-U universal contact block.
  - Part number will remain the same.
  - Example:

Current		New	
ABW110-B		ABW110-B	
BOM	HW-C10	BOM	HW-U10
	TW-DB		HW-DB
	ABW-100		ABW-100
	ABW1B-B		ABW1B-B

- Part number using the **HW-F** finger-safe contact block in their respective BOMs, will be **discontinued** and replaced by a universal contact block switch part number.
  - Example:

Current		New	
AYW410N-R		AYW410-R	
BOM	HW-F10	BOM	HW-U10
	TW-DB		HW-DB
	AYW-400		AYW-400
	AYW4B-R		AYW4B-R

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### Timeline

