

UK Declaration of Conformity

Identification of the Product :φ22 Control Units**Name and address of Manufacturer**

IDEC CORPORATION
2-6-64 Nishimiyahara, Yodogawa-Ku,
Osaka 532-0004 Japan

Name and address of the authorized representative and authorized to compile the technical file:

APEM COMPONENTS LIMITED.
Drakes Drive, Long Crendon, Buckinghamshire,
HP18 9BA, UK

This declaration of conformity is issued under the sole responsibility of the manufacturer.**Object of the declaration :** Series Name: HW Series

Model No.: Details are as per attached sheet

The object of the declaration described above is in conformity with the relevant UK legislation :

S.I. 2016 No.1101

Electrical Equipment (Safety) Regulations 2016

S.I. 2012 No.3032

The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

The products conform with the following standards.

EN 60947-5-1:2017

EN IEC 63000:2018

Where applicable, the approved body**Additional Information :**

Signed for and on behalf of the above named manufacturer :

Place and date of issue :

Japan, January 24, 2022

Name, function :

Japan, August 1, 2022(Revised)

Masaki Tsuru, Executive Officer,

Signature :

Quality Assurance Center





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Pushbutton or Illuminated Pushbutton Switch

HW 2 L - M 1 M 10 H2 R - MAU - *****
I II III IV V VI VII VIII IX X XI

I: Series HW

II: Bezel shape

- 1 ---- Round
- 2 ---- Square
- 3 ---- Round with square

III: Operator function

- B ---- Non-illuminated pushbutton
- L ---- Illuminated pushbutton

IV: Function

- M ---- Momentary
- A ---- Alternate

V: Operator shape

- 1 ---- Flush
- 2 ---- Extended
- F2---- Round Extended with Full Shroud (Only Illuminated Type)
- 3 ---- Mushroom
- 4 ---- Jumbo mushroom
- 5 ---- Extra-Jumbo mushroom (Only Non-illuminated Type)

VI: Applicable contact block

- None ---- With HW-U series contact block
- P ---- With HW-P series contact block

VII: Contact configuration

Two alphanumeric characters – to specify NC/NO contact(s)

VIII: Operating voltage

- None ---- Non-illuminated type operator
- Q0 ---- Without lamp
- Q2---- 6V AC/DC Q3---- 12V AC/DC
- Q4---- 24V AC/DC H2---- 100/110V AC
- H22---- 115/120V AC M2---- 200/220V AC
- M42---- 230/240V AC S2---- 380V AC
- T2---- 400/440V AC T82---- 480V AC

IX: Button color/Lens color

- B ---- Black (Only Non-illuminated Type)
- R ---- Red
- G ---- Green
- Y ---- Yellow
- A ---- Amber (Only Illuminated Type)
- W ---- White (Only Non-illuminated Type)
- S ---- Blue
- PW---- Pure White (Only Illuminated Type)

X: Special Contact

- MAU ---- Gold plated contact
- None ---- Normal contact

XI: Manufacturer Control No. (may be followed)

Any suffixes, nine digits max.



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Selector Switch

HW 1 F - 2 L A - 10 N1 H2 R - 1H - MAU - *****
I II III IV V VI VII VIII IX X XI XII XIII XIV

I: Series HW

II: Bezel shape

1 ----- Round

III: Operator function

S ----- Selector

K ----- Key selector

F ----- Illuminated selector

IV: Function

2 ----- 2-position, maintained

2J----- 2-position, maintained with B cam

2I----- 2-position, spring return from right

3 ----- 3-position, maintained

3J ----- 3-position, maintained with B cam

3S ----- 3-position, maintained with C cam

3I----- 3-position, spring return from right

32----- 3-position, spring return from left

33----- 3-position, 2-way spring return

V: Operator shape

For Selector

None -----Knob handle

L ----- Lever handle

For Key selector

M ----- Applicable to Master key

None ----- Not applicable to Master key and Pin tumbler

P ----- Applicable to Pin tumbler

For Illuminated selector

None -----Knob handle with low profile bezel

L ----- Lever handle

VI: Key removable configuration for key selector

None ----- For Selector and Illuminated Selector

A ----- Key is removable in any maintained position

B ----- Key is not removable in right position

C ----- Key is not removable in left position

D ----- Key is removable in center position (3-position type)

E ----- Key is not removable in center position (3-position type)

G ----- Key is removable in left position (3-position type)

H ----- Key is removable in right position (3-position type)

VII : Applicable contact block

None ----- With HW-U series contact block

P ----- With HW-P series contact block

VIII: Contact configuration

Two alphanumeric characters – to specify NC/NO contact(s)

IX: Contact blocks and transformer mounting position

None, N1, N2, N3, N4..., 7S or 8S



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X: Operating voltage

None ----- Selector and Key- selector operator
Q0 ----- Without lamp
Q2----- 6V AC/DC Q3----- 12V AC/DC
Q4----- 24V AC/DC H2----- 100/110V AC
H22---- 115/120V AC M2----- 200/220V AC
M42---- 230/240V AC S2----- 380V AC
T2----- 400/440V AC T82---- 480V AC

XI. Lens color

None ----- Selector and Key- selector operator
R ----- Red
G ----- Green
Y ----- Yellow
A ----- Amber
W ----- White
S ----- Blue
PW---- Pure White (Only Illuminated Type)

XI: Key number for key selector

Blank ----- Standard (231 for disc tumbler and 500 for pin tumbler key)
1H to 3H ----- For disc tumbler key
501 to 999 ----- For pin tumbler key

XII: Special Contact

MAU ----- Gold plated contact
None ----- Normal contact

XIII: Manufacturer Control No. (may be followed)

Any suffixes, nine digits max.



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HW 1 R - 2 D P 11 N1 R - MAU - *****
I II III IV V VI VII VIII IX X XI

I: Series HW

II: Bezel shape

1 ----- Round

III: Operator function

R ----- Selector pushbutton

IV: Function

2 ----- 2-position

V: Special function (Manufacturer's control code)

A, D, E, F, N or T

VI: Applicable contact block

None ----- With HW-U series contact block

P ---- With HW-P series contact block

VII: Contact configuration

Two alphanumeric characters – to specify NC/NO contact(s)

VIII: Contact blocks mounting position

None, N1, N2, N3, N4..., 7S or 8S

IX: Button color

R ----- Red

B ----- Black

G ----- Green

Y ----- Yellow

W ----- White

S ----- Blue

X: Special Contact

MAU ----- Gold plated contact

None ----- Normal contact

XI: Manufacturer Control No. (may be followed)

Any suffixes, nine digits max.

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Mono-lever Switch

HW 1 M - L P 1 1 2 1 - 22 N1 - MAU - *****
I II III IV V VI VII VIII IX X XI XII XIII

I: Series HW

II: Bezel shape

1 ----- Round

III: Operator function

M ----- Mono-lever switch

IV: Lever mechanism

Blank -----Without-interlocking type

L -----With-interlocking type

V: Applicable contact block

None ----- With HW-U series contact block

P ----- With HW-P series contact block

VI: Lever operational mode (Up position)

1 ----- Lever is maintained.

2 ----- Lever is spring returned.

0 ----- Lever is blocked.

VII: Lever operational mode (Right position)

1 ----- Lever is maintained.

2 ----- Lever is spring returned.

0 ----- Lever is blocked.

VIII: Lever operational mode (Down position)

1 ----- Lever is maintained.

2 ----- Lever is spring returned.

0 ----- Lever is blocked.

IX: Lever operational mode (Left position)

1 ----- Lever is maintained.

2 ----- Lever is spring returned.

0 ----- Lever is blocked.

X: Contact configuration

Two alphanumeric characters – to specify NC/NO contact(s)

XI: Contact blocks mounting position

None, N1, N2, N3, N4, N5, N6, N7, N8 or N9

XII: Special Contact

MAU ----- Gold plated contact

None ----- Normal contact

XIII: Manufacturer Control No. (may be followed)

Any suffixes, nine digits max.

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Dual Push-button

HW **7** **D** - **B** **1** **1** - **10** **01** **Q4** **R** **GR** **1** - **MAU** - *********
I **II** **III** **IV** **V** **VI** **VII** **VIII** **IX** **X** **XI** **XII** **XIII** **XIV** **XV**

I: Series HW

II: Bezel shape

7 ----- Rectangular

III: Function

D ----- Double pushbutton

IV: Non-illuminated / illuminated

B ----- Non-illuminated push-button

L ----- Illuminated push-button

V: Operation mode

1 ----- Momentary

2 ----- Momentary with Interlock

3 ----- Maintain

VI: Operator shape

1 ----- Flush + Flush

2 ----- Flush + Extended

VII: Applicable contact block

None ----- With HW-U series contact block

P ----- With HW-P series contact block

VIII: Contact configuration (Top)

Two alphanumeric characters – to specify NC/NO contact(s)

IX: Contact configuration Bottom)

Two alphanumeric characters – to specify NC/NO contact(s)

X: Operating voltage

None ----- Non-illuminated type operator

Q2----- 6V AC/DC

Q3----- 12V AC/DC

Q4----- 24V AC/DC

H2----- 100/110V AC

H22---- 115/120V AC

M2----- 200/220V AC

M42---- 230/240V AC

S2----- 380V AC

T2----- 400/440V AC

T82---- 480V AC

XI: LED Lamp color

None-- Non-illuminated

R ----- Red

G ----- Green

A ----- Amber

W ----- White

S ----- Blue

PW----- Pure White

XII: Button color (Top + Bottom)

GR-----Green (top), Red (bottom)

WB----- White (top), Black (bottom)

XIII: Button Marking

None - Without Marking

1 ----- “I” & “ON” / “O” & “OFF”

2 ----- “ON” / “OFF”

3 ----- “I” / “O”

4 ----- “START” / “STOP”

XIV: Special Contact

MAU ---- Gold plated contact

None ---- Normal contact

XV : Manufacturer Control No. (may be followed)

Any suffixes, nine digits max.

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Push-lock Turn Reset Switch

HW 1 B - V 3 P 01 Y - 1H - MAU - *****
I II III IV V VI VII VIII IX X XI

- I: Series HW
- II: Bezel shape
 - 1 : Round
- III: Operator function
 - B: Non-illuminated pushbutton
- IV: Function
 - V : Push-lock turn reset
- V: Operator shape
 - 3 : Mushroom
 - 4: Jumbo mushroom
 - 5: Extra-Jumbo mushroom
- VI: Applicable contact block
 - None : With HW-U series contact block
 - P: With HW-P series (push-in) contact block
- VII: Contact configuration

01: 1NC	11: 1NO-1NC
02: 2NC	21: 2NO-1NC
12: 1NO-2NC	03: 3NC
31: 3NO-1NC	22: 2NO-2NC
13: 1NO-3NC	04: 4NC
- VIII: Button color
 - Y : Yellow
- IX: Special Contact
 - MAU : Gold plated contact
 - None: Normal contact
- X: Manufacturer Control No. (may be followed)
 - Any suffixes, nine digits max.