



No.235DOC-0121

Doc No.	D2B032 D5B100
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## EU Declaration of Conformity

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<b>Identification of the Product</b>	φ 25 Control Units
<b>Name and address of Manufacturer</b> IDEC CORPORATION 2-6-64 Nishimiyahara, Yodogawa-Ku, Osaka 532-0004 Japan	<b>Name and address of the authorized representative :</b> APEM SAS 55, Avenue Edouard Herriot BP1, 82303 Caussade Cedex, France

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**This declaration of conformity is issued under the sole responsibility of the manufacturer.**

**Object of the declaration :** Series Name - TWS Series

Model No. – Details are as per attached sheet

**The object of the declaration described above is in conformity with the relevant EU harmonization legislation :**

2014/35/EU

Low Voltage Directive

2011/65/EU and (EU)2015/863

Restriction of the use of certain hazardous substances  
(RoHS) Directive

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**Applied Union harmonized legislation and references to the relevant harmonization standards used or references the other technical specifications in relation to which conformity is declared.**

EN 60947-5-1:2017

EN IEC 63000: 2018

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**Where applicable, the notified body**

**Additional Information :**

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**Signed for and on behalf of the above named manufacturer :**

Place and date of issue :

Japan, 20 April, 2016

Name, function :

Japan, 18 November, 2021 (Revised)

Masaki Tsuru, Executive Officer

Quality Assurance Center

Signature :

*Masaki Tsuru*

20 April, 2016  
1 April, 2018 (Revised)  
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Type designation for push button switches

A O L F S 1 B 23 6 S 11 D N N E R -12V - MAU -       
 I II III IV V VI VII VIII IX X XI XII XIII XIV XV XVI XVII XVIII XIX

I. Degree of protection

A : IP 65  
U : IP 40

II. Operator function

B : Non-illuminated pushbutton, momentary  
O : Alternate  
J : Push turn lock  
K : Key On / Off lock  
T : Lever / wobble stick  
Y : Push-pull  
Z : Pull  
SB : Selector pushbutton  
None : Illuminated, momentary

III. Non-illuminated or illuminated

None : Non-illuminated type  
L : Illuminated type

IV. Bezel shape

None : Round / Octagonal  
F : Full shroud  
G : Mushroom shroud / Half shroud  
H : Square with round operator  
Q : Square with square operator

V. Series

S : TWS Series, Mounting hole: 25 mm

VI. Operator shape

1 : Flush / wobble stick  
2 : Extended / Key operator  
3 : Mushroom  
4 : Jumbo mushroom / Lever operator

VII. Marking type lens

B : Marking type lens  
None : Non-marking type lens

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VIII. Primary voltage

- 1 : 100/110 V
- 11 : 115 V
- 12 : 120 V
- 2 : 200/220 V or without transformer
- 23 : 230 V
- 24 : 240 V
- 38 : 380 V ..... HW-L or TW-F
- 4 : 400/440 V..... HW-L or TW-F
- 48 : 480 V ..... HW-L or TW-F
- 6 : Without transformer, 6 V
- 1 : Without transformer, 12 V for LED lamp
- 8 : Without transformer, 12 V for incandescent lamp
- 2 : Without transformer, 24 V for LED lamp
- 3 : Without transformer, 24 V for incandescent lamp
- 9 : Without transformer / without lamp
- None : Non-illuminated type

IX. Applicable lamp

- 6 : 6 V LED lamp / 6.3 V incandescent lamp
- 1 : 12 V LED lamp
- 2 : 24 V LED lamp
- 2T : 28 V LED lamp
- 8 : 18 V incandescent lamp
- 3 : 30 V incandescent lamp
- 9 : Without lamp
- None : Non-illuminated type

X. Applicable transformer

- None : Type TW, HW-L or HW-T

XI. Contact configuration (Applicable contact block)

- 10 : 1 × HW-G10-\*\*\*, HW-F10-\*\*\*, HW-C10-\*\*\* or HW-U10-\*\*\*
- 01 : 1 × HW-G01-\*\*\*, HW-F01-\*\*\*, HW-C01-\*\*\* or HW-U01-\*\*\*
- 20 : 2 × HW-G10-\*\*\*, HW-F10-\*\*\*, HW-C10-\*\*\* or HW-U10-\*\*\*
- 11 : 1 × HW-G10-\*\*\*, HW-F10-\*\*\*, HW-C10-\*\*\* or HW-U10-\*\*\*  
+ 1 × HW-G01-\*\*\*, HW-F01-\*\*\*, HW-C01-\*\*\* or HW-U01-\*\*\*
- 02 : 2 × HW-G01-\*\*\*, HW-F01-\*\*\*, HW-C01-\*\*\* or HW-U01-\*\*\*
- 30 : 3 × HW-G10-\*\*\*, HW-F10-\*\*\*, HW-C10-\*\*\* or HW-U10-\*\*\*
- 21 : 2 × HW-G10-\*\*\*, HW-F10-\*\*\*, HW-C10-\*\*\* or HW-U10-\*\*\*  
+ 1 × HW-G01-\*\*\*, HW-F01-\*\*\* or HW-C01-\*\*\* or HW-U01-\*\*\*
- 12 : 1 × HW-G10-\*\*\*, HW-F10-\*\*\*, HW-C10-\*\*\* or HW-U10-\*\*\*  
+ 2 × HW-G01-\*\*\*, HW-F01-\*\*\* or HW-C01-\*\*\* or HW-U01-\*\*\*
- 03 : 3 × HW-G01-\*\*\*, HW-F01-\*\*\*, HW-C01-\*\*\* or HW-U01-\*\*\*
- 40 : 4 × HW-G10-\*\*\*, HW-F10-\*\*\*, HW-C10-\*\*\* or HW-U10-\*\*\*

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- 31 : 3 × HW-G10-\*\*\*, HW-F10-\*\*\*, HW-C10-\*\*\* or HW-U10-\*\*\*  
 + 1 × HW-G01-\*\*\*, HW-F01-\*\*\*, HW-C01-\*\*\* or HW-U01-\*\*\*  
 22 : 2 × HW-G10-\*\*\*, HW-F10-\*\*\*, HW-C10-\*\*\* or HW-U10-\*\*\*  
 + 2 × HW-G01-\*\*\*, HW-F01-\*\*\*, HW-C01-\*\*\* or HW-U01-\*\*\*  
 13 : 1 × HW-G10-\*\*\*, HW-F10-\*\*\*, HW-C10-\*\*\* or HW-U10-\*\*\*  
 + 3 × HW-G01-\*\*\*, HW-F01-\*\*\*, HW-C01-\*\*\* or HW-U01-\*\*\*  
 04 : 4 × HW-G01-\*\*\*, HW-F01-\*\*\*, HW-C01-\*\*\* or HW-U01-\*\*\*  
 1S : 1 × HW-G10-\*\*\*, HW-F10-\*\*\*, HW-C10-\*\*\* or HW-U10-\*\*\*  
 + 1 × HW-G10R-\*\*\*, HW-F10R-\*\*\*, HW-C10R-\*\*\* or HW-U10R-\*\*\*  
 2S/3S/4S : manufacture's control no., any contact blocks (max. 4 pcs.) are stacked.  
 5S : 1 × HW-G10-\*\*\*, HW-F10-\*\*\*, HW-C10-\*\*\* or HW-U10-\*\*\*  
 + 1 × HW-G01-\*\*\*, HW-F01-\*\*\*, HW-C01-\*\*\* or HW-U01-\*\*\*  
 + 1 × HW-G10R-\*\*\*, HW-F10R-\*\*\*, HW-C10R-\*\*\* or HW-U10R-\*\*\*  
 + 1 × HW-G01R-\*\*\*, HW-F01R-\*\*\*, HW-C01R-\*\*\* or HW-U01R-\*\*\*  
 6S : 2 × HW-G10-\*\*\*, HW-F10-\*\*\*, HW-C10-\*\*\* or HW-U10-\*\*\*  
 + 1 × HW-G01-\*\*\*, HW-F01-\*\*\*, HW-C01-\*\*\* or HW-U01-\*\*\*  
 + 1 × HW-G01R-\*\*\*, HW-F01R-\*\*\*, HW-C01R-\*\*\* or HW-U01R-\*\*\*  
 7S : 1 × HW-G10R-\*\*\*, HW-F10R-\*\*\*, HW-C10R-\*\*\* or HW-U10R-\*\*\*  
 + 1 × HW-G01R-\*\*\*, HW-F01R-\*\*\*, HW-C01R-\*\*\* or HW-U01R-\*\*\*  
 8S : 2 × HW-G10R-\*\*\*, HW-F10R-\*\*\*, HW-C10R-\*\*\* or HW-U10R-\*\*\*  
 + 2 × HW-G01R-\*\*\*, HW-F01R-\*\*\*, HW-C01R-\*\*\* or HW-U01R-\*\*\*  
 9S : 1 × HW-G10-\*\*\*, HW-F10-\*\*\*, HW-C10-\*\*\* or HW-U010-\*\*\*  
 + 2 × HW-G01-\*\*\*, HW-F01-\*\*\*, HW-C01-\*\*\* or HW-U01-\*\*\*  
 + 1 × HW-G10R-\*\*\*, HW-F10R-\*\*\*, HW-C10R-\*\*\* or HW-U10R-\*\*\*  
 2R : 1 × HW-G10R-\*\*\*, HW-F10R-\*\*\*, HW-C10R-\*\*\* or HW-U10R-\*\*\*  
 + 1 × HW-G01R-\*\*\*, HW-F01R-\*\*\*, HW-C01R-\*\*\* or HW-U01R-\*\*\*  
 4R : 2 × HW-G10R-\*\*\*, HW-F10R-\*\*\*, HW-C10R-\*\*\* or HW-U10R-\*\*\*  
 + 2 × HW-G01R-\*\*\*, HW-F01R-\*\*\*, HW-C01R-\*\*\* or HW-U01R-\*\*\*  
 \*\*\*: Material of the contact  
 None ---- Silver contact  
 MAU ---- Gold plated silver contact

## XII. Applicable lamp

None : Incandescent lamp

D : LED lamp

## XIII. Series

N : TWS series

## XIV. Terminal style

None : Standard

N : Finger safe(IP20)

## XV. Ring Material

None : Aluminum

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XVI. Lens color / button color

- B/B : Black
- R/R : Red
- GD/G may be followed by D : Green for LED lamp
- GL/G may be followed by L : Green for incandescent lamp
- Y/Y : Yellow
- A/A : Amber
- W/W : White
- S/S : Blue

XVII. Lamp operating voltage (apply VIII. Primary voltage 9 and IX. Applicable lamp 9)

- 6V : 6V AC/DC
- 12V : 12V AC/DC
- 24V : 24V AC/DC
- 120V : 120V AC/DC
- 240V : 240V AC/DC

XVIII. Contact Material

- None : Silver Contact
- MAU : Gold plated silver contact

XIX. Manufacturer Control No. (May be followed)

Type designation for selector switches

**A S L H S 2 1 L 23 6 11 D N N E - 304 R - 12V - 110 - MAU - \_**  
**I II III IV V VI VII VIII IX X XI XII XIII XIV XV XVI XVII XVIII XIX XX XXI**

I. Degree of protection

- A : IP 65
- U : IP 40

II. Operator function

- S : Selector

III. Non-illuminated or illuminated

- None : Non-illuminated type
- L : Illuminated type

IV. Bezel shape

- None : Round / Octagonal
- H : Square with round operator
- Q : Square with square operator

V. Series

- S : TWS Series, Mounting hole: 25 mm

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VI. Position code for selector switches

- 2 : 2 position
- 3 : 3 position
- 4 : 4 position
- 5 : 5 position

VII. Function code for selector switches

- None : Maintained
- 1 : Spring return from right
- 2 : Spring return from left
- 3 : 2-way spring return

VIII. Operator shape

- None : Knob handle
- L : Lever handle
- M : Round handle
- K : Key handle

IX. Primary voltage

- 1 : 100/110 V
- 11 : 115 V
- 12 : 120 V
- 2 : 200/220 V or without transformer, 24 V for LED lamp
- 23 : 230 V
- 24 : 240 V
- 38 : 380 V..... HW-L or TW-F
- 4 : 400/440 V... HW-L or TW-F
- 48 : 480 V..... HW-L or TW-F
- 6 : Without transformer, 6 V
- 1 : Without transformer, 12 V for LED lamp
- 8 : Without transformer, 12 V for incandescent lamp
- 2 : Without transformer, 24 V for LED lamp
- 3 : Without transformer, 24 V for incandescent lamp
- 9 : Without transformer, without lamp
- None : Non-illuminated type

X. Applicable lamp

- 6 : 6 V LED lamp / 6,3 V incandescent lamp
- 1 : 12 V LED lamp
- 2 : 24 V LED lamp
- 2T : 28 V LED lamp
- 8 : 18 V incandescent lamp
- 3 : 30 V incandescent lamp
- 9 : Without lamp
- None : Non-illuminated type

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## XI. Contact configuration (Applicable contact block)

- 10 : 1 × HW-G10-\*\*\*, HW-F10-\*\*\*, HW-C10-\*\*\* or HW-U10-\*\*\*  
 01 : 1 × HW-G01-\*\*\*, HW-F01-\*\*\*, HW-C01-\*\*\* or HW-U01-\*\*\*  
 20 : 2 × HW-G10-\*\*\*, HW-F10-\*\*\*, HW-C10-\*\*\* or HW-U10-\*\*\*  
 11 : 1 × HW-G10-\*\*\*, HW-F10-\*\*\*, HW-C10-\*\*\* or HW-U10-\*\*\*  
       + 1 × HW-G01-\*\*\*, HW-F01-\*\*\*, HW-C01-\*\*\* or HW-U01-\*\*\*  
 02 : 2 × HW-G01-\*\*\*, HW-F01-\*\*\*, HW-C01-\*\*\* or HW-U01-\*\*\*  
 30 : 3 × HW-G10-\*\*\*, HW-F10-\*\*\*, HW-C10-\*\*\* or HW-U10-\*\*\*  
 21 : 2 × HW-G10-\*\*\*, HW-F10-\*\*\*, HW-C10-\*\*\* or HW-U10-\*\*\*  
       + 1 × HW-G01-\*\*\*, HW-F01-\*\*\*, HW-C01-\*\*\* or HW-U01-\*\*\*  
 12 : 1 × HW-G10-\*\*\*, HW-F10-\*\*\* or HW-C10-\*\*\* or HW-U10-\*\*\*  
       + 2 × HW-G01-\*\*\*, HW-F01-\*\*\*, HW-C01-\*\*\* or HW-U01-\*\*\*  
 03 : 3 × HW-G01-\*\*\*, HW-F01-\*\*\*, HW-C01-\*\*\* or HW-U01-\*\*\*  
 40 : 4 × HW-G10-\*\*\*, HW-F10-\*\*\*, HW-C10-\*\*\* or HW-U10-\*\*\*  
 31 : 3 × HW-G10-\*\*\*, HW-F10-\*\*\*, HW-C10-\*\*\* or HW-U10-\*\*\*  
       + 1 × HW-G01-\*\*\*, HW-F01-\*\*\*, HW-C01-\*\*\* or HW-U01-\*\*\*  
 22 : 2 × HW-G10-\*\*\*, HW-F10-\*\*\*, HW-C10-\*\*\* or HW-U10-\*\*\*  
       + 2 × HW-G01-\*\*\*, HW-F01-\*\*\*, HW-C01-\*\*\* or HW-U01-\*\*\*  
 13 : 1 × HW-G10-\*\*\*, HW-F10-\*\*\*, HW-C10-\*\*\* or HW-U10-\*\*\*  
       + 3 × HW-G01-\*\*\*, HW-F01-\*\*\*, HW-C01-\*\*\* or HW-U01-\*\*\*  
 04 : 4 × HW-G01-\*\*\*, HW-F01-\*\*\*, HW-C01-\*\*\* or HW-U01-\*\*\*  
 1S : 1 × HW-G10-\*\*\*, HW-F10-\*\*\*, HW-C10-\*\*\* or HW-U10-\*\*\*  
       + 1 × HW-G10R-\*\*\*, HW-F10R-\*\*\*, HW-C10R-\*\*\* or HW-U10R-\*\*\*  
 2S/3S/4S : manufacture's control no., any contact blocks (max. 4 pcs.) are stacked.  
 5S : 1 × HW-G10-\*\*\*, HW-F10-\*\*\*, HW-C10-\*\*\* or HW-U10-\*\*\*  
       + 1 × HW-G01-\*\*\*, HW-F01-\*\*\*, HW-C01-\*\*\* or HW-U01-\*\*\*  
       + 1 × HW-G10R-\*\*\*, HW-F10R-\*\*\*, HW-C10R-\*\*\* or HW-U10R-\*\*\*  
       + 1 × HW-G01R-\*\*\*, HW-F01R-\*\*\*, HW-C01R-\*\*\* or HW-U01R-\*\*\*  
 6S : 2 × HW-G10-\*\*\*, HW-F10-\*\*\*, HW-C10-\*\*\* or HW-U10-\*\*\*  
       + 1 × HW-G01-\*\*\*, HW-F01-\*\*\*, HW-C01-\*\*\* or HW-U01-\*\*\*  
       + 1 × HW-G01R-\*\*\*, HW-F01R-\*\*\*, HW-C01R-\*\*\* or HW-U01R-\*\*\*  
 7S : 1 × HW-G10R-\*\*\*, HW-F10R-\*\*\*, HW-C10R-\*\*\* or HW-U10R-\*\*\*  
       + 1 × HW-G01R-\*\*\*, HW-F01R-\*\*\*, HW-C01R-\*\*\* or HW-U01R-\*\*\*  
 8S : 2 × HW-G10R-\*\*\*, HW-F10R-\*\*\*, HW-C10R-\*\*\* or HW-U10R-\*\*\*  
       + 2 × HW-G01R-\*\*\*, HW-F01R-\*\*\*, HW-C01R-\*\*\* or HW-U01R-\*\*\*  
 9S : 1 × HW-G10-\*\*\*, HW-F10-\*\*\*, HW-C10-\*\*\* or HW-U10-\*\*\*  
       + 2 × HW-G01-\*\*\*, HW-F01-\*\*\*, HW-C01-\*\*\* or HW-U01-\*\*\*  
       + 1 × HW-G10R-\*\*\*, HW-F10R-\*\*\*, HW-C10R-\*\*\* or HW-U10R-\*\*\*  
 2R : 1 × HW-G10R-\*\*\*, HW-F10R-\*\*\*, HW-C10R-\*\*\* or HW-U10R-\*\*\*  
       + 1 × HW-G01R-\*\*\*, HW-F01R-\*\*\*, HW-C01R-\*\*\* or HW-U01R-\*\*\*  
 4R : 2 × HW-G10R-\*\*\*, HW-F10R-\*\*\*, HW-C10R-\*\*\* or HW-U10R-\*\*\*  
       + 2 × HW-G01R-\*\*\*, HW-F01R-\*\*\*, HW-C01R-\*\*\* or HW-U01R-\*\*\*

\*\*\*: Material of the contact

None ---- Silver contact

MAU ---- Gold plated silver contact

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## XII. Applicable lamp

None : Incandescent lamp

D : LED lamp

## XIII. Series

N : TWS series

## XIV. Terminal style

None : Standard

N : Finger safe(IP20)

## XV. Ring Material

None : Aluminum

## XVI. Circuit Number

None : Standard

\*\*\* : Any suffixes

## XVII. Handle color

-R/R : Red

-G/G : Green

-Y/Y : Yellow

-A/A : Amber

-W/W : White

-S/S : Blue

None : Black handle with white cap

## XVIII. Lamp operating voltage(apply IX. Primary voltage 9 and X. Applicable lamp 9)

6V : 6V AC/DC

12V : 12V AC/DC

24V : 24V AC/DC

120V : 120V AC/DC

240V : 240V AC/DC

## XIX. Circuit Number

None : Standard

\*\*\* : Any suffixes

## XX. Contact Material

None : Silver Contact

MAU : Gold plated silver contact

## XXI. Manufacturer Control No. (May be followed)



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**Type designation for indicator light**

A P H S 1 G B 2 3 6 D N G \*  
 I II III IV V VI VII VIII IX X XI XII XIII

I. Degree of protection

- A – IP 65
- U – IP 40

II. Function

- P – Indicator light

III. Bezel shape

- None – Round
- Q – Square
- H – Round with square indicator
- QM – Square metal bezel

IV. Series

- S – TWS Series, Mounting hole: 25mm

V. Lens shape

- 1 – Flush
- 2 – Extended
- 4 – Rectangular

VI. Lens material

- None – Plastic
- G – Glass

VII. Marking type lens

- B – Marking type lens
- None – Non-marking type lens

VIII. Primary voltage

- 1 – 100/110V
- 1 1 – 115V
- 1 2 – 120V
- 2 – 200/220V or without transformer, 24V for LED lamp
- 2 3 – 230V
- 2 4 – 240V
- 3 8 – 380V ..... HW-L only
- 4 – 400/440V..... HW-L only
- 4 8 – 480V ..... HW-L only
- 6 – without transformer, 6V
- 1 – without transformer, 12V for LED lamp
- 8 – without transformer, 12V for incandescent lamp
- 2 – without transformer, 24V for LED lamp
- 3 – without transformer, 24V for incandescent lamp
- 9 – without transformer, without lamp

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## IX. Applicable lamp

- 6 — 6V LED lamp / 6.3V incandescent lamp
- 1 — 12V LED lamp
- 2 — 24V LED lamp
- 2 T — 28V LED lamp
- 8 — 18V incandescent lamp
- 3 — 30V incandescent lamp
- 9 — without lamp / Without transformer

## X. Lamp type

- None — Incandescent lamp
- D — LED lamp

## XI. Series

- N — TWS series

## XII. Lens color

- R — Red
- G may be followed by D — Green for LED lamp
- G may be followed by L — Green for incandescent lamp
- Y — Yellow
- A — Amber
- W — White
- S — Blue
- PW — Pure White

## XIII. Manufacturer Control No. (May be followed)