



No.235DOC-0121-U

Doc No.	D2B032U D5B100U
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## UK Declaration of Conformity

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**Identification of the Product :** φ25 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 :**  
APEM COMPONENTS LIMITED.  
Drakes Drive, Long Crendon, Buckinghamshire,  
HP18 9BA, UK

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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

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

Electrical Equipment (Safety) Regulations 2016

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

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**The products conform with the following standards.**

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, December 16, 2021

Name, function :

Masaki Tsuru, Executive Officer,  
Quality Assurance Center

Signature :

*Masaki Tsuru*

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### Pushbutton, Illuminated Pushbutton switches

$\frac{A}{I}$   $\frac{O}{II}$   $\frac{L}{III}$   $\frac{F}{IV}$   $\frac{S}{V}$   $\frac{1}{VI}$   $\frac{B}{VII}$   $\frac{23}{VIII}$   $\frac{6}{IX}$   $\frac{11}{X}$   $\frac{D}{XI}$   $\frac{N}{XII}$   $\frac{R}{XIII}$  -  $\frac{MAU}{XIV}$  -  $\frac{\quad}{XV}$

#### I. Degree of protection

A : IP 65

U : IP 40

#### II. Operator function

B : Non-illuminated pushbutton, momentary

O : Alternate

J : Push turn lock

Y : Push-pull

V : Push-lock turn reset

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

#### VII. Marking type lens with

B : Marking type lens (For Illuminated )

None : Non-marking type lens

#### VIII. Primary voltage

1 : 100/110 V or Without transformer, 12 V for LED lamp

11 : 115 V

12 : 115/120 V

2 : 200/220 V or without transformer, 24 V for LED lamp

23 : 230 V

24 : 230/240 V

38 : 380 V

4 : 400/440 V

48 : 480 V

6 : Without transformer, 6 V

9 : Without transformer / without lamp

None : Non-illuminated type



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IX. Applicable lamp

- 6 : 6 V LED lamp
- 1 : 12 V LED lamp
- 2 : 24 V LED lamp
- 9 : Without lamp
- None : Non-illuminated type

X. Contact configuration

- 10: 1NO
- 01: 1NC
- 11: 1NO1NC
- 20: 2NO
- 02: 2NC
- 21: 2NO1NC
- 12: 1NO2NC
- 30: 3NO
- 03: 3NC
- 31: 3NO1NC
- 22: 2NO2NC
- 13: 1NO3NC
- 40: 4NO
- 04: 4NC

XI. Non-illuminated or illuminated

- None : Non-illuminated type
- D : LED Illuminated type

XII. Series

- N : TWS series

XIII. Lens color / button color

- B/B : Black
- R/R : Red
- G/G: Green
- Y/Y : Yellow
- A/A : Amber
- W/W : White
- S/S : Blue
- PW/- : Pure white
- C/- : Cleanness (Without lamp only)

XIV. Contact Material

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

XV. Manufacturer Control No. (May be followed)

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### Selector, Illuminated selector, switches

**A** **S** **L** **S** **2** **1** **L** **23** **6** **11** **D** **N** **R** - **110** - **MAU** - **—**  
 I II III IV V VI VII VIII IX X XI XII XIII XV XVI XVII

#### I. Degree of protection

A : IP 65

#### II. Operator function

S : Selector

#### III. Non-illuminated or illuminated

None : Non-illuminated type

L : Illuminated type

#### IV. Series

S : TWS Series, Mounting hole: 25 mm

#### V. Position code for selector switches

2 : 2 position

3 : 3 position

4 : 4 position

5 : 5 position

#### VI. Function code for selector switches

None : Maintained

1 : Spring return from right

2 : Spring return from left

3 : 2-way spring return

#### VII. Operator shape

None : Knob handle

L : Lever handle

M : Round handle

K : Key handle

#### VIII. Primary voltage

1 : 100/110 V or Without transformer, 12 V for LED lamp

11 : 115 V

13 : 115/120 V

2 : 200/220 V or without transformer, 24 V for LED lamp

23 : 230 V

24 : 230/240 V

38 : 380 V

4 : 400/440 V

48 : 480 V

6 : Without transformer, 6 V

9 : Without transformer, without lamp

None : Non-illuminated type

#### IX . Applicable lamp

6 : 6 V LED lamp

1 : 12 V LED lamp

2 : 24 V LED lamp

9 : Without lamp

None : Non-illuminated type



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**X. Contact configuration**

10: 1NO  
01: 1NC  
11: 1NO1NC  
20: 2NO  
02: 2NC  
21: 2NO1NC  
12: 1NO2NC  
30: 3NO  
03: 3NC  
31: 3NO1NC  
22: 2NO2NC  
13: 1NO3NC  
40: 4NO  
04: 4NC  
2R: 1EM1LB  
3S: 2NO1NC  
4S: 3NO1NC or 2NO2NC or 1LB2NC1NO

**XI. Non-illuminated or illuminated**

None : Non-illuminated type  
D : LED Illuminated type

**XII. Series**

N : TWS series

**XIII.. Handle color**

R : Red  
G : Green  
Y : Yellow  
A : Amber  
W : White  
S : Blue  
PW : Pure white  
None : Black handle with white cap

**XV. Circuit Number**

None : Standard  
\*\*\* : Any suffixes

**XVI. Contact Material**

None : Silver Contact  
MAU : Gold plated silver contact

**XVII. Manufacturer Control No. (May be followed)**

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### Pilot lights

A   P   —   S   1B   23   6   D   N   G   \*  
I   II   III   IV   V   VI   VII   VIII   IX   X   XI

#### I. Degree of protection

A: IP 65  
U: IP 40

#### II. Function

P: Pilot light

#### III. Bezel shape

None: Round  
Q: Square

#### IV. Series

S: TWS Series, Mounting hole: 25mm

#### V. Marking type lens

1B: Marking type lens  
1: Non-marking type lens

#### VI. Primary voltage

1: 100/110V or without transformer, 12V for LED lamp  
12: 115/120V  
2: 200/220V or without transformer, 24V for LED lamp  
24: 230/240V  
38: 380V  
4: 400/440V  
48: 480V  
6: without transformer, 6V  
9: without transformer, without lamp

#### VII. Applicable lamp

6: 6V LED lamp—  
1: 12V LED lamp  
2: 24V LED lamp  
9: without lamp / Without transformer

#### VIII. Lamp type

D: LED lamp

#### IX. Series

N: TWS series

#### X. Lens color

R: Red  
G: Green  
Y: Yellow  
A: Amber  
W: White  
S: Blue  
PW: Pure White

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