



Doc No.

235DC-0116U

UK Declaration of Conformity

Identification of the Product :φ22 Control Unit**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: TW/TW-E 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 18, 2022

Name, function :

Japan, August 1, 2022 (Revised)

Masaki Tsuru, Executive Officer,

Quality Assurance Center

Signature :

January 18, 2022
 August 1, 2022(Revised)
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Pushbutton switches

A O W 1 11 E R - MAU - *****
 I II III IV V VI VII VIII IX X

I. Degree of protection

A : IP 65

II. Operator function

B : Momentary

O : Alternate

J : Push turn lock

Y : Push-pull

V : Push-lock turn reset

X : Push-lock key reset

III. Bezel shape

None : Round / Octagonal

F : Full shroud

G : Mushroom shroud / Half shroud

H : Square with round operator

Q : Square with square operator

IV. Series

W : TW Series, Mounting hole: 22 mm

V. Operator shape

1 : Flush (only for momentary and alternate type)

2 : Extended

3 : Mushroom

4 : Jumbo mushroom

VI. Contact configuration

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

VII. Ring Material

None : Aluminum

E : Plastic (Round and Full shroud bezel only)

VIII. Button Color

B : Black R : Red G : Green Y : Yellow S : Blue W : White

IX. Contact Material (may be followed)

None : Silver Contact

MAU : Gold Plated Silver Contact

X. Manufacturer Control No. (may be followed) : Any Suffixes

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Illuminated Pushbutton switches

A O L F W 1 B 236 11 D E R -MAU -*****
 I II III IV V VI VII VIII IX X XI XII XIII XIV

I. Degree of protection

A : IP 65

II. Operator function

O : Alternate
 Y : Push-pull
 V : Push-lock turn reset

III. Illuminated

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

W : TW Series, Mounting hole: 22 mm

VI. Operator shape

1 : Flush
 2 : Extended
 3 : Mushroom
 4 : Jumbo mushroom

VII. Marking type lens

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

VIII. Operating Voltage (may be followed)

99: Without lamp	66: 6V Full Voltage	11: 12V Full Voltage
22: 24V Full Voltage	16 : 100/110 V AC Transformer	126 : 115/120 V AC Transformer
26 : 200/220 V AC Transformer	246 : 230/240 V AC Transformer	386 : 380 V AC Transformer
46 : 400/440 V AC Transformer	486 : 480 V AC Transformer	

IX. Contact Configuration (may be followed)

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

X. Applicable lamp

D : LED lamp

XI. Ring Material

None : Aluminum E : Plastic (Round and Full shroud bezel only)

XII. Button Color

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

XIII. . Contact Material (may be followed)

None : Silver Contact
 MAU : Gold Plated Silver Contact

XIV. Manufacturer Control No. (may be followed) : Any Suffixes

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Selector switches, Key-selector switches

A S W 2 1 L 11 D E - 1NO - MAU - *****
 I II III IV V VI VII VIII IX X XI XII

I. Degree of protection

A : IP 65 / IP54(Key Selector)

II. Operator function

S : Selector

III. Series

W : TW Series, Mounting hole: 22 mm

IV. Position code for selector switches

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

V. Function code for selector switches

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

VI. Operator shape

None : Knob handle
 L : Lever handle
 K : Key handle

VII. Contact configuration (Applicable contact block)

** : Manufacturer Control No.

VIII. Key removable configuration for key selector

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)
 None : Key is removable in any maintained position

IX. Ring Material

None :Aluminum
 E : Plastic (Round bezel only)

X. Circuit Number

None :Standard
 *** : Any suffixes

XI. Contact Material

None : Silver Contact
 MAU : Gold plated silver contact

XII. Manufacturer Control No. (may be followed) : Any Suffixes

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Illuminated Selector switches

A S L W 2 1 L 11 D E -1NO - MAU - *****
I II III IV V VI VII VIII IX X XI XII

I. Degree of protection

A : IP54

II. Operator function

S : Selector

III. Illuminated

L : Illuminated type

IV. Series

W : TW Series, Mounting hole: 22 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

VI. Operator shape

None : Knob handle

VII. . Operating Voltage (may be followed)

99: Without lamp	66: 6V Full Voltage	11: 12V Full Voltage
22: 24V Full Voltage	16 : 100/110 V AC Transformer	136: 115/120 V AC Transformer
26 : 200/220 V AC Transformer	246 : 230/240 V AC Transformer	386 : 380 V AC Transformer
46 : 400/440 V AC Transformer	486 : 480 V AC Transformer	

VIII. Contact configuration (Applicable contact block)

** : Manufacturer Control No.

VIII. Key removable configuration for key selector

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)
 None : Key is removable in any maintained position

IX. Applicable lamp

D : LED lamp

X. Ring Material

None : Aluminum
 E : Plastic (Round bezel only)

XII. Handle Color

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

XIII. Circuit Number

None : Standard
 *** : Any suffixes

XI. Contact Material

None : Silver Contact
 MAU : Gold plated silver contact

XII. Manufacturer Control No. (may be followed) : Any Suffixes

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Pilot light

<u>A</u>	<u>P</u>	<u>Q</u>	<u>W</u>	<u>1</u>	<u>B</u>	<u>236</u>	<u>D</u>	<u>N</u>	<u>E</u>	<u>G</u>	<u>*****</u>
I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII

I. Degree of protection

- A : IP 65
- U : IP 40

II. Function

- P : Pilot light

III. Bezel shape

- None : Round / Octagonal
- Q : Square

IV. Series

- W : TW Series, Mounting hole: 22 mm

V. Lens shape

- 1 : Flush
- 2 : Dome

VI. Marking type lens

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

VIII. Operating voltage

- | | | |
|-------------------------------|--------------------------------|-------------------------------|
| 99:Without lamp | 66:6V Full Voltage | 11:12V Full Voltage |
| 22:24V Full Voltage | 16 : 100/110 V AC Transformer | 126: 115/120 V AC Transformer |
| 26 : 200/220 V AC Transformer | 246 : 230/240 V AC Transformer | 386 : 380 V AC Transformer |
| 46 : 400/440 V AC Transformer | 486 : 480 V AC Transformer | |

X. Lamp type

- D : LED lamp

XI. Series

- None : TW series

XII. Ring Material

- None : Aluminum
- E : Plastic (Round bezel only)

XIII. Lens color

- R : Red
- G : Green
- Y : Yellow
- A : Amber
- S : Blue
- PW : Pure white

XIV. Manufacturer Control No. (May be followed)