



No.235DOC-0141-U

Doc No.	D2B172U D5B024U
---------	--------------------

UK Declaration of Conformity

Identification of the Product :φ30 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 :
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: TWN/TWND Series
Model No.: Details are as per attached sheet

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

The products conform with the following standards.

EN 60947-5-1/A1:2017
EN IEC 63000:2018

Where applicable, the notified body

Additional Information :

Signed for and on behalf of the above named manufacturer :

Place and date of issue : Japan, December 20, 2021
Name, function : Masaki Tsuru, Executive Officer,
Quality Assurance Center
Signature :

Masaki Tsuru



Doc No.	D2B172U D5B024U
---------	--------------------

December 20, 2021
Page 1 of 8

Pushbutton switches

TWN Series (Plastic Type)

A B N 1 F 01 R - MAU - XXXXXXXXXX
I II III IV V VI VII - VIII - IX

I. Degree of protection
A : IP 65

II. Operator function
B : Momentary
O : Alternate
J : Push turn lock
Z : pull
V : Push-lock turn reset

III. Series
N : TWN Series, Mounting hole: 30 mm

IV. Operator shape
1 : Flush
2 : Extended
3 : Mushroom
4 : Jumbo mushroom

V. Bezel Shape
None : Round
F : Full Shroud (apply Operator shape 2 to 4)
G : Half Shroud (apply Operator shape 2 and 4)

VI. 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	1S : 1NO + 1NO※	2S : 1NC + 1NC※

3S/4S :Manufacturer's Control No., any Contact blocks (max.4 pcs.) are mounted.
 5S : 1NO + 1NO※ + 1NC + 1NC※ 6S : 2NO + 1NO※ + 1NC 7S : 1NO※ + 1NC※
 8S : 2NO※ + 2NC※ 9S : 1NO + 1NO※ + 2NC
 NO※ : Early Make Contact NC※ : Late Break Contact

VII. Button Color (may be followed)
B : Black R : Red G : Green Y : Yellow W : White S : Blue

VIII. Contact Material (may be followed)
None : Silver Contact MAU : Gold Plated Silver Contact

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



Doc No.	D2B172U
	D5B024U

December 20, 2021

Page 2 of 8

TWND Series (Diecast Zinc Type)

$$\frac{\mathbf{A}}{\mathbf{I}} \quad \frac{\mathbf{B}}{\mathbf{II}} \quad \frac{\mathbf{F}}{\mathbf{III}} \quad \frac{\mathbf{D}}{\mathbf{IV}} \quad \frac{\mathbf{1}}{\mathbf{V}} \quad \frac{\mathbf{01}}{\mathbf{VI}} \quad \frac{\mathbf{R}}{\mathbf{VII}} - \frac{\mathbf{MAU}}{\mathbf{VIII}} - \frac{\mathbf{XXXXXXXXXX}}{\mathbf{IX}}$$

I. Degree of protection

A : IP 65

II. Operator function

B : Momentary

O : Alternate

J : Push turn lock

Z : pull

V : Push-lock turn reset

Y : Push-pull

III. Bezel Shape

None : Round

F : Full Shroud (apply Operator shape 2 to 4)

G : Half Shroud (apply Operator shape 2 and 4)

IV. Series

D : TWND Series, Diecast Zinc Type, Mounting hole: 30 mm

V. Operator shape

1 : Flush

2 : Extended

3 : Mushroom

4 : Jumbo mushroom

VI. 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

1S : 1NO + 1NO※

2S : 1NC + 1NC※

3S/4S :Manufacturer's Control No., any Contact blocks (max.4 pcs.) are mounted.

5S : 1NO + 1NO※ + 1NC + 1NC※

6S : 2NO + 1NO※ + 1NC

7S : 1NO※ + 1NC※

8S : 2NO※ + 2NC※

9S : 1NO + 1NO※ + 2NC

NO※ : Early Make Contact

NC※ : Late Break Contact

VII. Button Color (may be followed)

B : Black

R : Red

G : Green

Y : Yellow

W : White

S : Blue

VIII. Contact Material (may be followed)

None : Silver Contact

MAU : Gold Plated Silver Contact

IX. Manufacturer Control No. (may be followed)

XXXXXXXXXX: Any Suffixes



Doc No.	D2B172U D5B024U
---------	--------------------

December 20, 2021
Page 3 of 8

Pin Lock pushbutton swithes

TWND Series (Diecast Zinc Type)

A B D 8P F 01 N R - MAU - XXXXXXXXXX
I II III IV V VI VII VIII IX X

I. Degree of protection
A : IP 65

II. Operator function
B : Pushbutton

III. Series
D : TWND Series, Diecast Zinc Type

IV. Operator shape
8P: Pin Lock

V. Bezel shape
None :ON-OFF Lock
N :ON Lock
F : OFF Lock

VI. 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	1S : 1NO + 1NO※	2S : 1NC + 1NC※

3S/4S :Manufacturer's Control No., any Contact blocks (max.4 pcs.) are mounted.
5S : 1NO + 1NO※ + 1NC + 1NC※ 6S : 2NO + 1NO※ + 1NC 7S : 1NO※ + 1NC※
8S : 2NO※ + 2NC※ 9S : 1NO + 1NO※ + 2NC
NO※ : Early Make Contact NC※ : Late Break Contact

VII. Mounting Hole Size (may be followed)
N: 30 mm

VIII. Button Color (may be followed)
B : Black R : Red G : Green Y : Yellow S : Blue

IX. Contact Material (may be followed)
None : Silver Contact MAU : Gold Plated Silver Contact

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

Doc No.	D2B172U D5B024U
---------	--------------------

December 20, 2021

Page 4 of 8

Illuminated pushbutton switches

A O L G N 2 66 11 DN R- MAU - ※※※※※※※※※
I II III IV V VI VII VIII IX X XI - XII

I. Degree of protection

A : IP 65

II. Operator function

None : Momentary

O : Alternate

J : Push turn lock

V : Push-lock turn reset

III. Illuminated

L : Illuminated type

IV. Bezel Shape

None : Round

F : Full Shroud (apply Operator shape 2)

G : Half Shroud (apply Operator shape 2)

V. Series

N : TWN Series, Plastic Type

D : TWND Series, Diecast Zinc Type

VI. Operator shape

2 : Extended 3 : Mushroom

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 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

VIII. 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 1S : 1NO + 1NO※ 2S : 1NC + 1NC※

3S/4S : Manufacturer's Control No., any Contact blocks (max.4 pcs.) are mounted.

5S : 1NO + 1NO※ + 1NC + 1NC※ 6S : 2NO + 1NO※ + 1NC 7S : 1NO※ + 1NC※

8S : 2NO※ + 2NC※ 9S : 1NO + 1NO※ + 2NC

2R : 1NO※ + 1NC※ 4R : 2NO※ + 2NC※

NO※ : Early Make Contact

NC※ : Late Break Contact

IX. Applicable lamp

DN: 30mm mounting hole, LED Lamp

X. Lens Color (may be followed)

R : Red G : Green A : Amber Y : Yellow S : Blue

PW : Pure white

X. Contact Material (may be followed)

None : Silver Contact

MAU : Gold Plated Silver Contact

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



Doc No.	D2B172U D5B024U
---------	--------------------

December 20, 2021
Page 5 of 8

Selector switches, Key-selector switches

ASD 2 L 10 N D - ※※※ - NO1 - MAU - ※※※※※※※
I II III IV V VI VII VIII IX X

I. Operator Function

ASN : Selector, TWN Series, Plastic Type
 ASD : Selector, TWND Series, Diecast Zinc Type

II. Function Code for Selector Switches (may be followed)

2 : 90°2 position / Maintained
 21 : 90°2 position / Spring return form right
 22 : 90°2 position / Spring return form left
 3 : 45°3 position / Maintained
 31 : 45°3 position / Spring return form right
 32 : 45°3 position / Spring return form left
 33 : 45°3 position / Spring return Two-way

III. Operator Shape (may be followed)

None : Knob Handle
 L : Lever Handle
 K : Key Handle

IV. 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	1S : 1NO + 1NO※	2S : 1NC + 1NC※

2S/3S/4S :Manufcturer's Control No., any Contact blocks (max.4 pcs.) are mounted.
 5S : 1NO + 1NO※ + 1NC + 1NC※ 6S : 2NO + 1NO※ + 1NC 7S : 1NO※ + 1NC※
 8S : 2NO※ + 2NC※ 9S : 1NO + 1NO※ + 2NC
 NO※ : Early Make Contact NC※ : Late Break Contact

V. Mounting Hole Size

N : 30mm

VI. The key can not pull out position

None : Standard	B : Right	C : Left	D : Right and Left
E : Center	G : Center and Right	H : Center and Left	

VII. Circuit number

None : Standard ※※※ : Special specifications

VIII. Key number

None : Standard ※※※※※ : Special specifications

IX.Contact Material

None : Silver Contact MAU : Gold plated silver Contact

X. Manufacturer Control No. (may be followed)

※※※※※※※※※※※※※※: Any Suffixes



Doc No.	D2B172U D5B024U
---------	--------------------

December 20, 2021
Page 6 of 8

Illuminated selector switches

ASLD **2** **22** **11** **D** **N** **※※** - **※※※** - **MAU** - **※※※※※※※※**
I **II** **III** **IV** **V** **VI** **VII** **VIII** **IX** **X**

I. Operator Function

ASLN : Illuminated Selector, TWN Series, Plastic Type
ASLD : Illuminated Selector, TWND Series, Diecast Zinc Type

II. Function Code for Selector Switches (may be followed)

2 : 90°2 position / Maintained
21 : 90°2 position / Spring return form right
22 : 90°2 position / Spring return form left
3 : 45°3 position / Maintained
31 : 45°3 position / Spring return form right
32 : 45°3 position / Spring return form left
33 : 45°3 position / Spring return Two-way

III. 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	

IV. 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	1S : 1NO + 1NO※	2S : 1NC + 1NC※

3S/4S : Manufacturer's Control No., any Contact blocks (max.4 pcs.) are mounted.
5S : 1NO + 1NO※ + 1NC + 1NC※ 6S : 2NO + 1NO※ + 1NC 7S : 1NO※ + 1NC※
8S : 2NO※ + 2NC※ 9S : 1NO + 1NO※ + 2NC
2R : 1NO※ + 1NC※ 4R : 2NO※ + 2NC※
NO※ : Early Make Contact NC※ : Late Break Contact

V. Applicable Lamp (may be followed)

D : LED lamp

VI. Mounting Hole Size (may be followed)

N : 30mm

VII. Lens Color / Button Color (may be followed)

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

VIII. Circuit number

None : Standard ※※※ : Special specifications

IX. Contact Material (may be followed)

None : Silver Contact MAU : Gold Plated Silver Contact

X. Manufacturer Control No. (may be followed)

※※※※※※※※ : Any Suffixes



Doc No.	D2B172U D5B024U
---------	--------------------

December 20, 2021
Page 7 of 8

Selector pushbutton switches

ASBD 2 L 10 N - A03 B- MAU - XXXXXXXXXXXXXXXXXXXX
I **II** **III** **IV** **V** **VI** **VII** **VIII** **IX**

I. Operator Function

ASBN : Selector Pushbutton, TWN Series, Plastic Type
 ASBD : Selector Pushbutton, TWND Series, Diecast Zinc Type

II. Function Code for Selector Switches (may be followed)

2 : 90°2 position / Maintained

III. Operator Shape (may be followed)

None : Ring Handle

IV. Contact Configuration (may be followed)

11 : 1NO (NO※) + 1NC (NC※)	20 : 2NO (NO※)	02 : 2NC (NC※)
22 : 2NO (NO※) + 2NC (NC※)	40 : 4NO (NO※)	04 : 4NC (NC※)
NO※ : Early Make Contact	NC※ : Late Break Contact	

V. Mounting Hole Size (may be followed)

N : 30mm

VI. Circuit Code (may be followed)

A※※ – Circuit A	C※※ – Circuit C	D※※ – Circuit D	E※※ – Circuit E
F※※ – Circuit F	G※※ – Circuit G	K※※ – Circuit K	

VII. Lens Color / Button Color (may be followed)

B : Black R : Red G : Green Y : Yellow

VIII. Contact Material (may be followed)

None : Silver Contact MAU : Gold Plated Silver Contact

IX. Manufacturer Control No. (may be followed)

XXXXXXXXXXXX: Any Suffixes



Doc No.	D2B172U D5B024U
---------	--------------------

December 20, 2021
Page 8 of 8

Pilot Lights

APN 1 66 D N R - XXXXXXXXXX
I II III IV V VI VII

I. Type

- APN : Plastic Type / IP65 / BA9S Base
- APD : Die-cast Type / IP65 / BA9S Base
- UPQN: Plastic Type / IP40 / BA9S Base

II. Operator Shape (may be followed)

- 1 : Dome
- 3B : Square (for UNQN Type)
- 4 : Rectangle (for UNQN Type)

III. 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 | |

IV. Lamp (may be followed)

- D : LED

V. Mounting Hole (may be followed)

- N : 30mm

VI. Lens Color (may be followed)

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

VII. Manufacturer Control No. (may be followed)

- XXXXXXXXXX: Any Suffixes