



No.235DOC-141

Doc No.

D2B172  
D5B024

## EU Declaration of Conformity

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**Identification of the Product**

φ 30 Control Units

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**Name and address of Manufacturer**

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

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**Name and address of the authorized representative :**

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.**

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**Object of the declaration :** Series Name – TWN/TWND 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 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, 5 January, 2017

Japan, 7 October, 2022 (Revised)

Name, function :

Masaki Tsuru, Executive Officer

Quality Assurance Center

Signature :

*Masaki Tsuru*

5 January, 2017  
 1 April, 2018 (Revised)  
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Type designation for pushbutton switches

ABD 1 ※ 01 N R - MAU - ※※※※※※※※※※※※※※※※※※※※※※※※※※  
 I II III IV V VI VII VIII

I. Operator Function

- |                             |                                      |
|-----------------------------|--------------------------------------|
| ①ABN : Momentary            | ②AB□D : Diecast /Momentary           |
| ③AON : Alternate            | ④AO□D : Diecast/ Alternate           |
| ⑤AJN : Push Turn Lock       | ⑥AJD : Diecast/ Push Turn Lock       |
| ⑦AVN : Push Lock Turn Reset | ⑧AVD : Diecast/ Push Lock Turn Reset |
| ⑨AYN : Push Pull            | ⑩AYD : Diecast/ Push Pull            |
| ⑪AZN : Pull                 | ⑫AZD : Diecast/ Pull                 |
- None : Round      F : Full Shroud      G : Half Shroud

II. Operator Shape (may be followed)

- |                                  |                             |
|----------------------------------|-----------------------------|
| 1 : Flush (apply ① - ④)          | 2 : Extended (apply ① - ④)  |
| 3 : Mushroom (apply ① - ⑫)       | 31 : Mushroom (apply ⑨ - ⑩) |
| 4 : Jumbo Mushroom (apply ① - ④) | 8P : Pin Lock (apply ②)     |

III. Bezel Shape (may be followed)

- None : Round (apply ① - ⑫)      F : Full Shroud (apply ① and ③)  
 G : Half Shroud (apply ① and ③)

IV. Contact Configuration (may be followed)

apply ① - ⑧, ⑪ - ⑫

- |  |                    |                |         |         |
|--|--------------------|----------------|---------|---------|
| 10 : 1a  | 01 : 1b            | 11 : 1a + 1b   | 20 : 2a | 02 : 2b |
| 21 : 2a + 1b   | 12 : 1a + 2b       | 30 : 3 a       | 03 : 3b |         |
| 31 : 3a + 1b   | 22 : 2a + 2b       | 13 : 1a + 3b   | 40 : 4a | 04 : 4b |
| 1S : 1a + 1a※  | 2S : 1b + 1b※      |                |         |         |
| 3S/4S : Manufacturer's Control No., any Contact Blocks (max.4 pcs.) are mounted. |                    |                |         |         |
| 5S : 1a + 1a※ + 1b + 1b※   | 6S : 2a + 1a※ + 1b | 7S : 1a※ + 1b※ |         |         |
| 8S : 2a※ + 2b※   | 9S : 1a + 1a※ + 2b | 2R : 1a※ + 1b※ |         |         |
| 4R : 2a※ + 2b※   |                    |                |         |         |

apply ⑨ - ⑩

- |                |               |               |
|----------------|---------------|---------------|
| 11 : 1a + 1b   | 20 : 2a       | 02 : 2b       |
| 7S : 1a※ + 1b※ | 1S : 1a + 1a※ | 2S : 1b + 1b※ |

a※ : Early Make Contact

b※ : Late Break Contact

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V. Mounting Hole Size(may be followed)

N : 30mm (apply ②, ④ - ⑫)

VI. Button Color (may be followed)

B : Black      R : Red      G : Green      Y : Yellow      W : White      S : Blue  
 T : Brown      O : Orange      Z3 : Blue - Green      DR : Dark Red      DG : Dark Gray

VII. Contact Material (may be followed)

None : Silver Contact      MAU : Gold Plated Silver Contact

VIII. Manufacturer Control No. (may be followed)

\*\*\*\*\*: Any Suffixes

Type designation for illuminated pushbutton switches

ALN 2 66 11 D N \*\* - MAU - \*\*\*\*\*  
 I    II III IV V VI    VII                    VIII                    IX

I. Operator Function

- |                              |                                       |
|------------------------------|---------------------------------------|
| ①AL□N : Momentary            | ②AL□D : Diecast/Momentary             |
| ③AOL□N : Alternate           | ④AOL□D : Diecast/ Alternate           |
| ⑤AJLN : Push Turn Lock       | ⑥AJLD : Diecast/ Push Turn Lock       |
| ⑦AVLN : Push Lock Turn Reset | ⑧AVLD : Diecast/ Push Lock Turn Reset |
| □      None : Round          | F : Full Shroud      G : Half Shroud  |

II. Operator Shape (may be followed)

2 : Extended (apply ① - ④)      3 : Mushroom (apply ① - ⑧)

III. Operating Voltage (may be followed)

66 : 6V Full voltage	11 : 12V Full voltage	22 : 24V Full voltage
16 : 100/110V AC Transformer	136 : 115/120V AC Transformer	
26 : 200/220V AC Transformer	256 : 230/240V AC Transformer	
386 : 380V AC Transformer	46 : 400/440V AC Transformer	
486 : 480V AC Transformer		

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IV. Contact Configuration (may be followed)

10 : 1a	01 : 1b	11 : 1a + 1b	20 : 2a	02 : 2b
21 : 2a + 1b	12 : 1a + 2b	30 : 3a	03 : 3b	
31 : 3a + 1b	22 : 2a + 2b	13 : 1a + 3b	40 : 4a	04 : 4b
1S : 1a + 1a※	2S : 1b + 1b※			
3S/4S : Manufacturer's Control No., any Contact Blocks (max.4 pcs.) are mounted.				
5S : 1a + 1a※ + 1b + 1b※	6S : 2a + 1a※ + 1b	7S : 1a※ + 1b※		
8S : 2a※ + 2b※	9S : 1a + 1a※ + 2b	2R : 1a※ + 1b※		
4R : 2a※ + 2b※				

a※ : Early Make Contact

b※ : 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)

B : Black	R : Red	G : Green
Y : Yellow	A : Amber	W : White
S : Blue	PW : Pure White	C : Clear

VIII. Contact Material (may be followed)

None : Silver Contact      MAU : Gold Plated Silver Contact

IX. Manufacturer Control Number (may be followed)

※※※※※※※※※※※※※※※※: Any Suffixes

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Type designation for selector switches

**ASD** **2** **L** **10** **N** **B** - **\*\*\*** - **NO1** - **MAU** - **XXXXXXXXXXXXXXXXXXXXX**  
**I** **II** **III** **IV** **V** **VI** **VII** **VIII** **IX** **X**

I. Operator Function

ASN : Selector ASD : Diecast / Selector

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  
M : Round Handle  
K : Key Handle

IV. Contact Configuration (may be followed)

10 : 1a	01 : 1b	11 : 1a + 1b	20 : 2 a	02 : 2b
21 : 2a + 1b	12 : 1a + 2b	30 : 3a	03 : 3b	
31 : 3a + 1b	22 : 2a + 2b	13 : 1a + 3b	40 : 4a	04 : 4b
1S : 1a + 1a※	2S : 1b + 1b※			
2S/3S/4S : Manufacturer's Control No., any Contact Blocks (max.4 pcs.) are mounted.				
5S : 1a + 1a※ + 1b + 1b※	6S : 2a + 1a※ + 1b	7S : 1a※ + 1b※		
8S : 2a※ + 2b※	9S : 1a + 1a※ + 2b	2R : 1a※ + 1b※		
4R : 2a※ + 2b※				

a※ : Early Make Contact

b※ : Late Break Contact

V. Mounting Hole Size

N : 30mm



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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

Type designation for 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      ASLD : Diecast/Illuminated Selector

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

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III. Operating Voltage (may be followed)

66 : 6V Full voltage	11 : 12V Full voltage	22 : 24V Full voltage
16 : 100/110V AC Transformer	136 : 115/120V AC Transformer	
26 : 200/220V AC Transformer	256 : 230/240V AC Transformer	
386 : 380V AC Transformer	46 : 400/440V AC Transformer	
486 : 480V AC Transformer		

IV. Contact Configuration (may be followed)

10 : 1a	01 : 1b	11 : 1a + 1b	20 : 2 a	02 : 2b
21 : 2a + 1b	12 : 1a + 2b	30 : 3 a	03 : 3b	
31 : 3a + 1b	22 : 2a + 2b	13 : 1a + 3b	40 : 4a	04 : 4b
1S : 1a + 1a※	2S : 1b + 1b※			
2S/3S/4S : Manufacturer's Control No., any Contact Blocks (max.4 pcs.) are mounted.				
5S : 1a + 1a※ + 1b + 1b※	6S : 2a + 1a※ + 1b	7S : 1a※ + 1b※		
8S : 2a※ + 2b※	9S : 1a + 1a※ + 2b	2R : 1a※ + 1b※		
4R : 2a※ + 2b※				

a※ : Early Make Contact      b※ : 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)

B : Black	R : Red	G : Green
Y : Yellow	A : Amber	W : White
S : Blue	PW : Pure White	C : Clear

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

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Type designation for 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

ASBD : Diecast / Selector Pushbutton

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

2 : 90° 2 position / Maintained

III. Operator Shape (may be followed)

None : Ring Handle

L : Lever Handle

IV. Contact Configuration (may be followed)

11 : 1a (a※) + 1b (b※)

20 : 2a (a※)

02 : 2b (b※)

22 : 2a (a※) + 2b (b※)

40 : 4a (a※)

04 : 4b (b※)

a※ : Early Make Contact

b※ : Late Break Contact

V. Mounting Hole Size (may be followed)

N : 30mm

VI. Circuit Code (may be followed)

A※※ – Circuit A

B※※ – Circuit B

C※※ – Circuit C

D※※ – Circuit D

E※※ – Circuit E

F※※ – Circuit F

G※※ – Circuit G

H※※ – Circuit H

K※※ – Circuit K

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

B : Black

R : Red

G : Green

Y : Yellow

A : Amber

W : White

S : Blue

PW : Pure White

C : Clear

VIII. Contact Material (may be followed)

None : Silver Contact

MAU : Gold Plated Silver Contact

IX. Manufacturer Control No. (may be followed)

XXXXXXXXXXXXXXXXXXXX: Any Suffixes



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Type designation for Pilot Lights

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

**I. Type**

- ①APN : Plastic Type / IP65 / BA9S Base
- ②APNE : Plastic Type / IP65 / E12 Base
- ③APD : Die-cast Type / IP65 / BA9S Base
- ④APDE : Die-cast Type / IP65 / E12 Base
- ⑤UPQN: Plastic Type / IP40 / BA9S Base
- ⑥UPQNE: Plastic Type / IP40 / E12 Base

**II. Operator Shape (may be followed)**

- 1 : Dome (apply ① - ④)
- 3B : Square (apply ⑤)
- 4 : Rectangle (apply ⑤, ⑥)

**III. Operating Voltage (may be followed)**

Direct Voltage

99 : Without Lamp

66 : 6V AC/DC	11 : 12V AC/DC	22 : 24V AC/DC
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With transformer with Lamp

16 : 100/110V AC	126 : 115/120V AC
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26 : 200/220V AC	246 : 240V AC
------------------	---------------

386 : 380V AC	46 : 400/440V AC	486 : 480V AC
---------------	------------------	---------------

With transformer without Lamp

19 : 100/110V AC	129 : 115/120V AC
------------------	-------------------

29 : 200/220V AC	249 : 240V AC
------------------	---------------

389 : 380V AC	49 : 400/440V AC	489 : 480V AC
---------------	------------------	---------------

**IV. Lamp (may be followed)**

D : LED

**V. Mounting Hole (may be followed)**

N : 30mm (apply ① - ④)

**VI. Lens Color (may be followed)**

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

**VII. Manufacturer Control No. (may be followed)**

※※※※※※※※※※※※※※※※: Any Suffixes