

**DECLARATION OF CONFORMITY**

We, IDEC IZUMI CORPORATION  
7-31, Nishimiyahara 1-chome  
Yodogawa-ku, Osaka 532-8550  
Japan

declare under our sole responsibility that the product:

Description:  $\phi$  22 Control Units  
Series Name: TW/TW-E Series  
Model No.: Details are as per attached sheets

to which this declaration relates is in conformity with the EC Directive on the following standard(s) or other normative document(s).

Applicable EC Directive: Low Voltage Directive (73/23/EEC)

Applicable Standard(s): Control Units (Pushbutton with positive opening and Control Switch)  
EN 60947-1: 1991 + A11 (excluding Sub-clause 7.1.10.1)  
EN 60947-5-1: 1991 (excluding Sub-clause 6.3.1)  
Control Units (Indicator Light)  
EN 60947-1: 1991 + A11  
EN 60947-5-1: 1991 (excluding Sub-clause 6.3.1)

5th August, 1998 at Osaka, Japan

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Takeshi Sono  
Vice President, Sales

*Takeshi Sono*  
(Form 2-03-03)



**φ 22 Control Units, TW/TW-E Series**  
**(Pushbutton with positive opening)**

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Contact Block:

	<u>AC-15</u>	<u>DC-13</u>
HW-C01 (Normally closed contact, with positive opening)	250V AC, 3A	125V DC, 1.1A
HW-C10 (Normally open contact)	250V AC, 3A	125V DC, 1.1A
HW-C10R (Early make contact, normally open)	250V AC, 3A	125V DC, 0.9A
HW-C01R (Late break contact, normally closed)	250V AC, 3A	125V DC, 0.9A
	<u>AC-15</u>	<u>DC-13</u>
HW-G01 (Normally closed contact, with positive opening)	250V AC, 3A	125V DC, 1.1A
HW-G10 (Normally open contact)	250V AC, 3A	125V DC, 1.1A
HW-G10R (Early make contact, normally open)	250V AC, 3A	125V DC, 0.9A
HW-G01R (Late break contact, normally closed)	250V AC, 3A	125V DC, 0.9A

Transformer:

TW	(100/110V, 115V, 120V, 200/220V, 230V, 240V, 380V, 400/440V, 480V AC)
TWS	(100/110V, 115V, 120V, 200/220V, 230V, 240V AC)
HL-L	(100/110V, 115V, 120V, 200/220V, 230V, 240V, 380V, 400/440V, 480V AC)
HW-T	(100/110V, 115V, 120V, 200/220V, 230V, 240V AC)

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 The followings are components to be employed when assembling the Control Units, using above-stated Contact Blocks:

1) Dummy Block:

TW-DB

2) Operator Unit:

<u>A</u>	<u>V</u>	<u>L</u>	<u>W</u>	<u>3</u>	<u>B</u>	<u>E</u>	<u>R</u>
①	②	③	④	⑤	⑥	⑦	⑧

① Degree of protection

A- - - - IP65

② Operator function

V- - - - Puslock Turn Reset



No. D2B 012

31st March, 1998

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- ③ Non-illuminated or Illuminated
  - None - -Non-illuminated
  - L- - - - Illuminated
- ④ Series
  - W- - - -TW/TW-E Series, Mounting hole; 22mm
- ⑤ Operator shape
  - 3 - - - - Mushroom
  - 4 - - - - Jumbo mushroom
- ⑥ Marking type lens
  - B- - - - Marking type lens
  - None- - Non-marking type lens
- ⑦ Ring material
  - None- - Aluminum
  - E- - - - Plastic
- ⑧ Button color
  - R- - - -Red



**φ 22 Control Units, TW/TW-E Series**  
**(Control Switch)**

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Contact Block:

	<u>AC-15</u>	<u>DC-13</u>
HW-C10 (Normally open contact)	250V AC, 3A	125V DC, 1.1A
HW-C01 (Normally closed contact)	250V AC, 3A	125V DC, 1.1A
HW-C10R (Early make contact, normally open)	250V AC, 3A	125V DC, 0.9A
HW-C01R (Late break contact, normally closed)	250V AC, 3A	125V DC, 0.9A
	<u>AC-15</u>	<u>DC-13</u>
HW-G01 (Normally closed contact)	250V AC, 3A	125V DC, 1.1A
HW-G10 (Normally open contact)	250V AC, 3A	125V DC, 1.1A
HW-G10R (Early make contact, normally open)	250V AC, 3A	125V DC, 0.9A
HW-G01R (Late break contact, normally closed)	250V AC, 3A	125V DC, 0.9A

Transformer:

TW (100/110V, 115V, 120V, 200/220V, 230V, 240V, 380V, 400/440V, 480V AC)  
TWS (100/110V, 115V, 120V, 200/220V, 230V, 240V AC)  
HL-L (100/110V, 115V, 120V, 200/220V, 230V, 240V, 380V, 400/440V, 480V AC)  
HW-T (100/110V, 115V, 120V, 200/220V, 230V, 240V AC)

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The followings are components to be employed when assembling the Control Units, using above-stated Contact Blocks and Transformers:

1) Dummy Block:

TW-DB

2) Direct Adapter:

TW-DA1

TW-DA1F

TWS-DA1

TWS-DA1F

HW-GA1



3) Lamp:

LSPD-6D	LED lamp, lamp rating; 6VDC, 0.5W
LSPD-6	LED lamp, lamp rating; 6VAC, 0.5W
LSPD-1	LED lamp, lamp rating; 12VAC/DC, 0.5 W
LSPD-2	LED lamp, lamp rating; 24VAC/DC, 0.5W
LSPD-28	LED Lamp, lamp rating; 28VAC/DC, 0.5W
LS-6	Incandescent lamp, lamp rating 6.3V, 1W
LS-8	Incandescent lamp, lamp rating 18V, 1W
LS-2	Incandescent lamp, lamp rating 24V, 1W
LS-3	Incandescent lamp, lamp rating 30V, 1W



4) Operator Unit:

<u>A</u>	<u>O</u>	<u>L</u>	<u>F</u>	<u>W</u>	<u>1</u>	<u>B</u>	<u>E</u>	<u>R</u>
①	②	③	④	⑤	⑥	⑦	⑧	⑨

① Degree of protection

A - - - - - IP65

U - - - - - IP40

② Operator function

B - - - - - Non-illuminated push-button, momentary

O - - - - - Alternate

J - - - - - Push Turn Lock

K - - - - - Key selector

Y - - - - - Push-Pull

Z - - - - - Pull

S - - - - - Selector

SB - - - - Selector Pushbutton

None - - Illuminated, momentary

③ Non-illuminated or Illuminated

None - - Non-illuminated type

L - - - - - Illuminated type

- ④ Bezel shape
  - None - - Round/Octagonal
  - F - - - - Full shroud
  - G - - - - Mushroom half shroud
  - H - - - - Square with round operator
  - Q - - - - Square with square operator
- ⑤ Series
  - W - - - - TW/TW-E Series, Mounting hole; 22mm
- ⑥ Operator shape
  - 1 - - - - Flush
  - 2 - - - - Extended/Key operator
  - 3 - - - - Mushroom
  - 4 - - - - Jumbo mushroom
- ⑦ Marking type lens
  - None - - Non-marking type lens
  - B - - - - Marking type lens
- ⑧ Ring material
  - None - - Aluminum or plastic
  - E - - - - Plastic
- ⑨ Lens color / Button color
  - R - - - - Red
  - G - - - - Green
  - A - - - - Amber
  - Y - - - - Yellow
  - S - - - - Blue
  - W - - - - White
  - B - - - - Black button



**φ 22 Control Units, TW/ TW-E Series**  
**(Indicator Light)**

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Transformer:

TW	(100/110V, 115V, 120V, 200/220V, 230V, 240V, 380V, 400/440V, 480V AC)
TWS	(100/110V, 115V, 120V, 200/220V, 230V, 240V AC)
HL-L	(100/110V, 115V, 120V, 200/220V, 230V, 240V, 380V, 400/440V, 480V AC)
HW-T	(100/110V, 115V, 120V, 200/220V, 230V, 240V AC)

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The following are component parts to be employed when assembling the Control Units, using above-stated Transformers:

1) Operator Unit:

A   P   H   W   1   G   B   E   G  
①   ②   ③   ④   ⑤   ⑥   ⑦   ⑧   ⑨

- ① Degree of protection  
A - - - - - IP65  
U - - - - - IP40
- ② Function  
P - - - - - Indicator light
- ③ Bezel shape  
None - - Round  
Q - - - - - Square  
H - - - - - Round with square
- ④ Series  
W - - - - - TW/TW-E series, Mounting hole; 22mm
- ⑤ Lens shape  
1 - - - - - Flush  
2 - - - - - Extended
- ⑥ Lens material  
None - - Plastic  
G - - - - - Glass



⑦ Marking type lens

None - - Non-marking type lens

B - - - - Marking type lens

⑧ Ring material

None- - -Aluminum

E - - - - Plastic

⑨ Lens color

R - - - - Red

G - - - - Green

Y - - - - Yellow

A - - - - Amber

W - - - - White

S - - - - Blue

C - - - - Clear



2) Lamp:

LSPD-6D LED lamp, lamp rating; 6VDC, 0.5W

LSPD-6 LED lamp, lamp rating; 6VAC, 0.5W

LSPD-1 LED lamp, lamp rating; 12VAC/DC, 0.5W

LSPD-2 LED lamp, lamp rating; 24VAC/DC, 0.5W

LSPD-28 LED lamp, lamp rating; 28V AC/DC, 0.5W

LS-6 Incandescent lamp, lamp rating 6.3V, 1W

LS-8 Incandescent lamp, lamp rating 18V, 1W

LS-2 Incandescent lamp, lamp rating 24V, 1W

LS-3 Incandescent lamp, lamp rating 30V, 1W