



No.235DOC-0137-U

Doc No.	D2B141U D5B115U
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## UK Declaration of Conformity

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**Identification of the Product :**  $\phi$  16 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: LB, LBW 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, 6 January 2022  
Name, function : Masaki Tsuru, Executive Officer,  
Quality Assurance Center  
Signature :

*Masaki Tsuru*

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## **LB Series**

### **Pushbutton switches/Illuminated Pushbutton Switches**

$\frac{\underline{\text{LB}}}{1} \quad \frac{\underline{\quad}}{2} \quad \frac{\underline{\text{L}}}{3} \quad - \quad \frac{\underline{\text{M}}}{4} \quad \frac{\underline{\quad}}{5} \quad \frac{\underline{\text{T}}}{6} \quad \frac{\underline{\quad}}{7} \quad \frac{\underline{\quad}}{8} \quad \frac{\underline{\text{V}}}{9} \quad \frac{\underline{\text{L}}}{10} \quad \frac{\underline{\text{R}}}{11} \quad - \quad \frac{\text{*****}}{12}$

1. Series – LB Series

2. Bezel Shape

- 1: Round
- 2: Square
- 3: Rectangular
- 4: Rectangular with guard
- 6: Round flat bezel (black color)
- 7: Square flat bezel (black color)
- 8: Rectangular flat bezel (black color)
- 6M: Round flat bezel (metal color)
- 7M: Square flat bezel (metal color)
- 8M: Rectangular flat bezel (metal color)
- 6G: Round flat bezel with switch guard
- 7G: Square flat bezel with switch guard
- 8G: Rectangular flat bezel with switch guard

3. Operator Function

- L: Illuminated pushbutton
- B: Non-illuminated pushbutton

4. Function

- M: Momentary
- A: Alternate

5. Operator Shape

- 1: Flush

6. Switch Unit

- T: With LB-T Series Switch unit

7. Contact Configuration

- 1: 1C (gold-overlaid silver contacts)
- 2: 2C (gold-overlaid silver contacts)
- 3: 3C (gold-overlaid silver contacts) (For Illuminated pushbutton only)
- 5: 1C (silver contacts)
- 6: 2C (silver contacts)
- 7: 3C (silver contacts) (For Illuminated pushbutton only)

8. Applicable Lamp Type

- None: Non-illuminated type operator
- 1: LED lamp, lamp rating (operational voltage)      5V dc
- 3: LED lamp, lamp rating (operational voltage)      12V ac/dc
- 4: LED lamp, lamp rating (operational voltage)      24V ac/dc



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9. Terminal Configuration

- None: Soldering terminal
- V: PWB terminal

10. Button/Lens Type

- None: Button Type
- L: Lens Type (for Non-illuminated pushbutton)
- W: White Lens Type (for illuminated pushbutton)

11. Button/Lens Color

- B: Black (for Non-illuminated pushbutton)
- R: Red
- G: Green
- Y: Yellow
- W: White
- S: Blue
- A: Amber
- PW: Pure White (for Illuminated pushbutton)

12. Manufacturer Control No. (may be followed)

- Any suffixes, nine digits max.

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**Selector /Keylock selector switches**

<u>LB</u>	<u>2</u>	<u>K</u>	-	<u>21</u>	<u>S</u>	<u>T</u>	<u>2</u>	<u>V</u>	<u>A</u>	-	<u>1H</u>	-	<u>*****</u>
1	2	3		4	5	6	7	8	9		10		11

1. Series – LB Series
2. Bezel Shape
  - 1: Round
  - 2: Square
  - 3: Rectangular
  - 6: Round flat bezel (black color)
  - 7: Square flat bezel (black color)
  - 8: Rectangular flat bezel (black color)
  - 6M: Round flat bezel (metal color)
  - 7M: Square flat bezel (metal color)
  - 8M: Rectangular flat bezel (metal color)
3. Operator Function
  - S: Selector
  - K: Keylock selector
4. Function
  - 2: 2-position maintained
  - 21: 2-position spring return from right
  - 3: 3-position maintained
  - 31: 3-position spring return from right
  - 32: 3-position spring return from left
  - 33: 3-position 2-way spring return
5. Key Type (for Keylock selector) or Operator Shape
  - None: Standard
  - S: For groove type key
  - L: For lever type
6. Switch Unit
  - T: With LB-T Series Switch unit
7. Contact Configuration
  - 1: 1C (gold-overlaid silver contacts)
  - 2: 2C (gold-overlaid silver contacts)
  - 3: 3C (gold-overlaid silver contacts)
  - 5: 1C (silver contacts)
  - 6: 2C (silver contacts)
  - 7: 3C (silver contacts)
8. Terminal Configuration
  - None: Soldering terminal
  - V: PWB terminal



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9. Key Removable Code (for Keylock selector)

- A: Key removable in all positions
- B: Key removable at left (2-position type only) and center position
- C: Key removable at right (2-position type only) and center position
- D: Key removable at center
- E: Key removable at left and right
- G: Key removable at left
- H: Key removable at right

10. Subordinate key number (for Keylock selector)

Any suffixes, nine digits max.

11. Manufacturer Control No. (may be followed)

Any suffixes, nine digits max.

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### Illuminated selector switches

$\frac{\text{LB}}{1}$   $\frac{2}{2}$   $\frac{\text{F}}{3}$  -  $\frac{21}{4}$   $\frac{\text{T}}{5}$   $\frac{2}{6}$   $\frac{4}{7}$   $\frac{\text{V}}{8}$   $\frac{\text{R}}{9}$  -  $\frac{\text{*****}}{10}$

1. Series - LB
2. Bezel Shape
  - 1: Round
  - 2: Square
  - 3: Rectangular
  - 6: Round flat bezel (black color)
  - 6M: Round flat bezel (metal color)
3. Operator Function
  - F: Illuminated selector
4. Function
  - 2: 2-position maintained
  - 3: 3-position maintained
5. Switch Unit
  - T: With LB-T Series Switch unit
6. Contact Configuration
  - 1: 1C (gold-overlaid silver contacts)
  - 2: 2C (gold-overlaid silver contacts)
  - 5: 1C (silver contacts)
  - 6: 2C (silver contacts)
7. Applicable Lamp Type
 

1: LED lamp, lamp rating (operational voltage)	5V dc
3: LED lamp, lamp rating (operational voltage)	12V ac/dc
4: LED lamp, lamp rating (operational voltage)	24V ac/dc
8. Terminal Configuration
  - None: Soldering terminal
  - V: PWB terminal
9. Lens Color
  - R: Red
  - G: Green
  - Y: Yellow
  - W: White
  - S: Blue
  - A: Amber
  - PW: Pure White
10. Manufacturer Control No. (may be followed)
  - Any suffixes, nine digits max.



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### Lever Switches

$\frac{LB}{1}$   $\frac{1}{2}$   $\frac{T}{3}$  -  $\frac{21}{4}$   $\frac{T}{5}$   $\frac{2}{6}$   $\frac{V}{7}$  -  $\frac{*****}{8}$

1. Series – LB Series
2. Bezel Shape
  - 1: Round
  - 6: Round flat bezel (black color)
3. Operator Function
  - T: Toggle
4. Function
  - 2: 2-position maintained
  - 21: 2-position spring return from upside
  - 22: 2-position spring return from downside
  - 3: 3-position maintained
  - 31: 3-position spring return from upside
  - 32: 3-position spring return from downside
  - 33: 3-position 2-way spring return
5. Switch Unit
  - T: With LB-T Series Switch unit
6. Contact Configuration
  - 1: 1C (gold-overlaid silver contacts)
  - 2: 2C (gold-overlaid silver contacts)
  - 3: 3C (gold-overlaid silver contacts)
  - 5: 1C (silver contacts)
  - 6: 2C (silver contacts)
  - 7: 3C (silver contacts)
7. Terminal Configuration
  - None: Soldering terminal
  - V: PWB terminal
8. Manufacturer Control No. (may be followed)
  - Any suffixes, nine digits max.



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**Pilot Lights**

LB 2 P - 1 T 0 4 V — R - \*\*\*\*\*  
1 2 3 4 5 6 7 8 9 10 11

- 1. Series – LB Series
- 2. Bezel Shape
  - 1: Round
  - 2: Square
  - 3: Rectangular
  - 4: Rectangular with guard
  - 6: Round flat bezel (black color)
  - 7: Square flat bezel (black color)
  - 8: Rectangular flat bezel (black color)
  - 6M: Round flat bezel (metal color)
  - 7M: Square flat bezel (metal color)
  - 8M: Rectangular flat bezel (metal color)
- 3. Operator Function
  - P: Pilot light
- 4. Operator Shape
  - 1: Flush
  - 2: Dome operator shape with round bezel
- 5. Switch Unit
  - T: With LB-T Series Switch unit
- 6. Contact Configuration
  - 0: No contact
- 7. Applicable Lamp Type
  - 1: LED lamp, lamp rating (operational voltage) 5V dc
  - 3: LED lamp, lamp rating (operational voltage) 12V ac/dc
  - 4: LED lamp, lamp rating (operational voltage) 24V ac/dc
- 8. Terminal Configuration
  - None: Soldering terminal
  - V: PWB terminal
- 9. Lens Type
  - None: Standard Type
  - W: White Lens Type
- 10. Lens Color
  - R: Red
  - G: Green
  - Y: Yellow
  - W: White
  - S: Blue
  - A: Amber
  - PW: Pure White
- 11. Manufacturer Control No. (may be followed)  
Any suffixes, nine digits max.



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## **LBW Series**

### **Pushbutton switches/Illuminated Pushbutton Switches**

<u>LBW</u>	<u>6</u>	<u>L</u>	-	<u>M</u>	<u>1</u>	<u>T</u>	<u>2</u>	<u>4</u>	<u>V</u>	<u>L</u>	<u>R</u>	-	<u>*****</u>
1	2	3		4	5	6	7	8	9	10	11		12

1. Series – LBW Series

2. Bezel Shape

- 6: Round flat bezel (black color)
- 7: Square flat bezel (black color)
- 6M: Round flat bezel (metal color)
- 7M: Square flat bezel (metal color)
- 8M: Rectangular flat bezel (metal color)
- 6G: Round flat bezel with switch guard
- 7G: Square flat bezel with switch guard

3. Operator Function

- L: Illuminated pushbutton
- B: Non-illuminated pushbutton

4. Function

- M: Momentary
- A: Alternate ( for Non-illuminated, Flush only)

5. Operator Shape

- 1: Flush
- 2: Extended  
(Available only for round and in momentary operation. Guard model is not available)
- 1R: Ring illuminated type
- 2R: Convex ring illuminated type

6. Switch Unit

- T: With LB-T Series Switch unit

7. Contact Configuration

- 1: 1C (gold-overlaid silver contacts)
- 2: 2C (gold-overlaid silver contacts)
- 3: 3C (gold-overlaid silver contacts) (For Non-illuminated pushbutton only)
- 5: 1C (silver contacts)
- 6: 2C (silver contacts)
- 7: 3C (silver contacts) (For Non-illuminated pushbutton only)

8. Applicable Lamp Type

- None: Non-illuminated type operator
- 1: LED lamp, lamp rating (operational voltage)      5V dc
- 3: LED lamp, lamp rating (operational voltage)      12V ac/dc
- 4: LED lamp, lamp rating (operational voltage)      24V ac/dc

9. Terminal Configuration

- None: Soldering terminal
- V: PWB terminal



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10. Button/Lens Type

None: Button Type

L: Lens Type (for Non-illuminated type)

W: White Lens Type (for illuminated type)

11. Lens Color

B: Black (for Non-illuminated pushbutton)

R: Red (except Ring illuminated type)

G: Green (except Ring illuminated type)

Y: Yellow (except Ring illuminated type)

W: White

S: Blue (except Ring illuminated type)

A: Amber (except Ring illuminated type)

PW: Pure White (for Illuminated type)

12. Manufacturer Control No. (may be followed)

Any suffixes, nine digits max.

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### Selector /Keylock selector switches

<u>LBW</u>	<u>6</u>	<u>K</u>	-	<u>21</u>	<u>S</u>	<u>T</u>	<u>2</u>	<u>V</u>	<u>A</u>	-	<u>1H</u>	-	<u>*****</u>
1	2	3		4	5	6	7	8	9		10		11

1. Series – LBW Series
2. Bezel Shape
  - 6: Round flat bezel (black color)
  - 7: Square flat bezel (black color)
  - 6M: Round flat bezel (metal color)
  - 7M: Square flat bezel (metal color)
3. Operator Function
  - S: Selector
  - K: Keylock selector
4. Function
  - 2: 2-position maintained
  - 21: 2-position spring return from right
  - 3: 3-position maintained
  - 31: 3-position spring return from right
  - 32: 3-position spring return from left
  - 33: 3-position 2-way spring return
5. Key Type (for Keylock selector) or Operator Shape
  - None: Standard
  - S: For groove type key
6. Switch Unit
  - T: With LB-T Series Switch unit
7. Contact Configuration
  - 1: 1C (gold-overlaid silver contacts)
  - 2: 2C (gold-overlaid silver contacts)
  - 3: 3C (gold-overlaid silver contacts)
  - 5: 1C (silver contacts)
  - 6: 2C (silver contacts)
  - 7: 3C (silver contacts)
8. Terminal Configuration
  - None: Soldering terminal
  - V: PWB terminal
9. Key Removable Code (for Keylock selector)
  - A: Key removable in all positions
  - B: Key removable at left (2-position type only) and center position
  - C: Key removable at right (2-position type only) and center position
  - D: Key removable at center
  - E: Key removable at left and right
  - G: Key removable at left
  - H: Key removable at right
10. Subordinate key number (for Keylock selector)
  - Any suffixes, nine digits max.
11. Manufacturer Control No. (may be followed)
  - Any suffixes, nine digits max.

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**Pilot lights**

LBW   6   P   -   1   T   0   4   V   -   R   -   \*\*\*\*\*  
 1   2   3   4   5   6   7   8   9   10   11

1. Series – LBW Series
2. Bezel Shape
  - 6: Round flat bezel (black color)
  - 7: Square flat bezel (black color)
  - 6M: Round flat bezel (metal color)
  - 7M: Square flat bezel (metal color)
3. Operator Function
  - P: Pilot light
4. Operator Shape
  - 1: Flush
5. Switch Unit
  - T: With LB-T Series Switch unit
6. Contact Configuration
  - 0: No contact
7. Applicable Lamp Type
  - 1: LED lamp, lamp rating (operational voltage)      5V dc
  - 3: LED lamp, lamp rating (operational voltage)      12V ac/dc
  - 4: LED lamp, lamp rating (operational voltage)      24V ac/dc
8. Terminal Configuration
  - None: Soldering terminal
  - V: PWB terminal
9. Lens Type
  - None: Standard Type
  - W: White Lens Type
10. Lens Color
  - R: Red
  - G: Green
  - Y: Yellow
  - W: White
  - S: Blue
  - A: Amber
  - PW: Pure White
11. Manufacturer Control No. (may be followed)
  - Any suffixes, nine digits max.