



LXW5 Series Micro Switch User Manual

□ Please carefully read this User Manual before installing and operating the product, and keep this manual properly for future reference

LXW5 Series Micro Switch

User Manual

Safety Notice

Please carefully read this instruction before the installation, operation, run, maintenance, and inspection, and follow the contents of the instruction to properly install and operate this product.



Danger:

- Do not operate the travel switch with wet hands;
- It is forbidden to touch the live parts during operation;
- Mark sure that the product is deenergized during the maintenance and service;

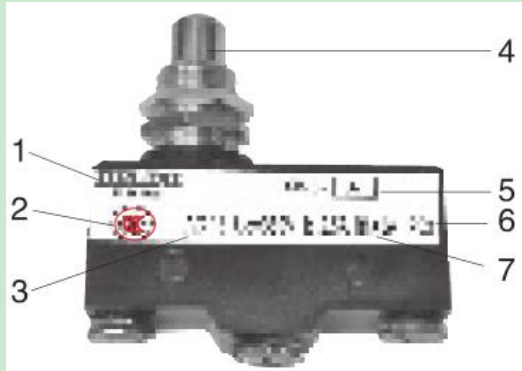


Caution:

- The installation, maintenance and service shall be performed by the qualified professional;
- Various characteristics of product have been set in factory and cannot be disassembled or adjusted without permission during operation;
- Please confirm that the rated voltage, rated current, frequency and characteristics of the product meet the operating requirements before use;
- If found damage or abnormal sound when unpacking, please stop the machine immediately and contact the supplier;
- When scrapping the product, please dispose the product waste properly. Thanks for your cooperation.

About LXW5 series micro switch

● Panel introduction



Legends:

1 Company logo;

2 3C mark;

3 Basic parameters:

AC-15 Ue:380V

Ie: 2.5A;

DC- 13 Ue: 220V

Ie: 0.3A.

4 Hit head structure form (hit head structure form and basic parameters are shown in Table 1);

5 Product model;

6 Protection grade: IP62 (after installation);

7 Resistive current in free air Ith=3A.

● Hit head structure form and basic parameters

Table 1 Hit head structure form and basic parameters

Model	Hit head structure form	Number of contact pairs		Action stroke mm	Reset force N	Action repetitive error mm	Action force N
		Normally open	Normally closed				
LXW5-11D1	Short spring plunger type	1	1	≤ 1	≤ 1	≤ 0.1	2-3.8
LXW5-11M	Panel mounting plunger type	1	1	≤ 1	≤ 1		2-3.8
LXW5-11Q1	Panel mounting roller plunger type	1	1	≤ 1	≤ 1		2-3.8
LXW5-11Q2	Panel mounting cross-shaped roller plunger type	1	1	≤ 1	≤ 1		2-3.8
LXW5-11N1	Hinged lever type	1	1	2-4	≤ 0.15		0.3-3.8
LXW5-11N2	Hinged short lever type	1	1	3-5	≤ 0.25		0.5-1
LXW5-11G1	Hinged roller lever type	1	1	≤ 3	≤ 0.15		0.35-0.85
LXW5-11G2	Hinged roller short lever type	1	1	2-4	≤ 0.25		0.8-1.6
LXW5-11G3	Hinged roller medium lever type	1	1	3-6	≤ 0.20		0.4-0.9

Normal Operation, Installation and Transport Conditions

● **Normal operation and installation conditions**

- (1) The ambient air temperature is not higher than $+40^{\circ}\text{C}$, and is not below -5°C ; the average value within 24 hours does not exceed $+35^{\circ}\text{C}$;
- (2) The altitude of the installation site does not exceed 2000m;
- (3) The relative humidity of the atmosphere does not exceed 50% at the maximum ambient temperature of $+40^{\circ}\text{C}$, and a higher relative humidity is allowed at lower temperatures, such as 90% at 20°C . Special measures shall be taken for condensation occasionally generated due to temperature changes.
- (4) The product can be installed in any installation angle;
- (5) Installed in a place where there is shock vibration for obvious shaking without rain or snow erosion;
- (6) Pollution level: Level 3;
- (7) Installation category: Class II;
- (8) Rated impulse withstand voltage: 6kV;
- (9) Protection grade: IP62 after installation.

● **Normal Storage and Transport Conditions**

- (1) Temperature: $-25^{\circ}\text{C} \sim +55^{\circ}\text{C}$;
- (2) Relative humidity: $\leq 90\%$;

(3) During transport, please gently handle the product, do not upside the product down, and prevent harsh collision;

Install products

- Outline and installation dimensions are shown in figure below:

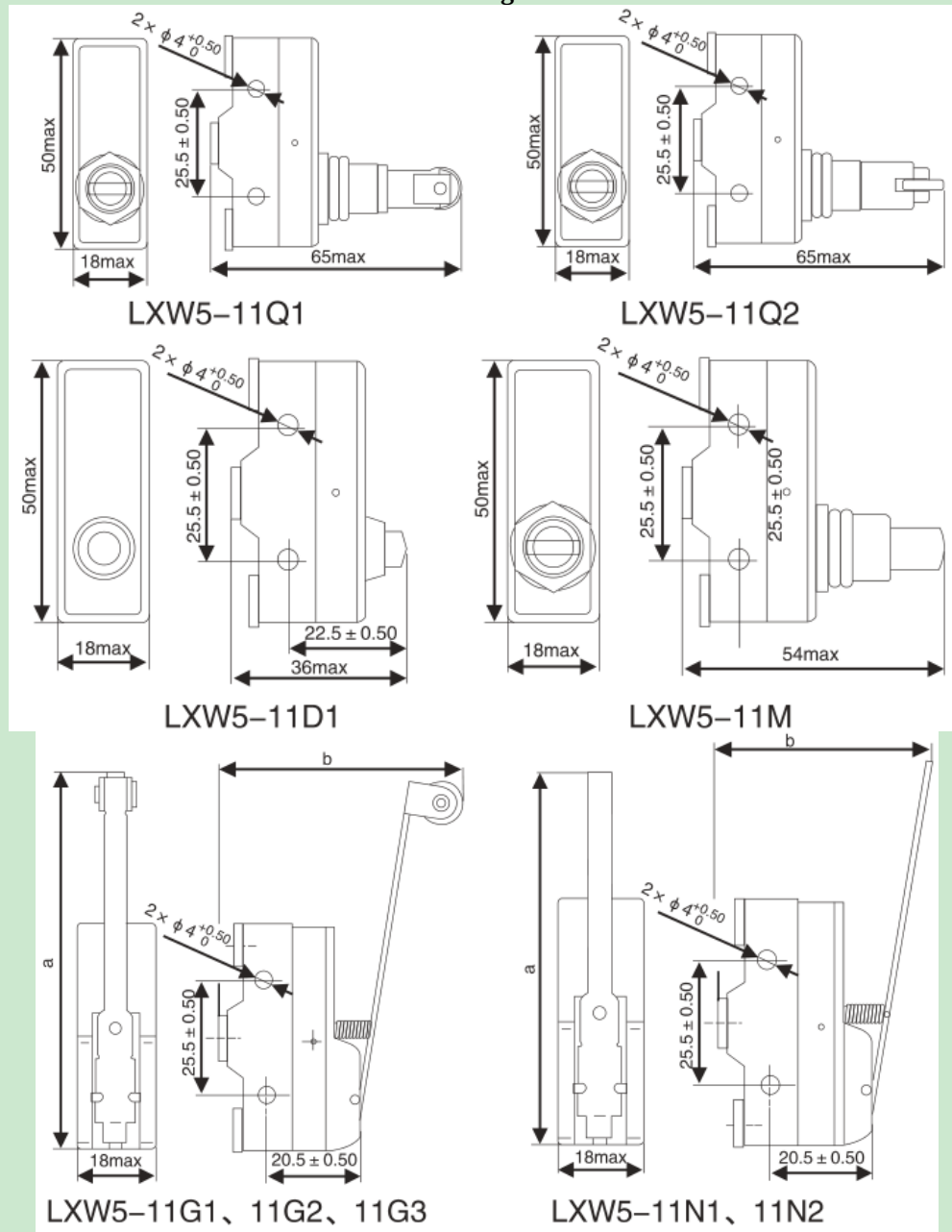


Table Outline and installation dimensions of LXW5 model

Model

	a	b
LXW5 – 11G1	66	52
LXW5 – 11G2	50	49
LXW5 – 11G3	60	52
LXW5 – 11N1	76	43
LXW5 – 11N2	50	38

● Debugging and Operation

- (1) Check whether the technical parameters on the product nameplate meet the working requirements.
- (2) Fix and tighten the product with screws. (Spring washer and flat gasket are recommended)
- (3) After installation, carefully check the hit head for blockage when pushing the hit head, and check whether the switch core works within the required range; if found any fault, check the above items again and then re-install the product, and then connect the lead wire.
- (4) The lead wire selects 1~2 copper wires with a cross-sectional area of $0.5\text{mm}^2 \sim 1\text{mm}^2$.
- (5) When connecting the wire, carefully distinguish the normally open and normally closed contact terminal sets of the core wiring terminal of the switch to prevent reverse or wrong connection.

Maintenance and Service

- The installation, maintenance and service shall be performed by the qualified professional;
- The product shall be de-energized during the maintenance and service;
- The maintenance and service is conducted once a year under normal operating conditions, and the maintenance contents are listed in table below.

Table Maintenance and Service

Item	Contents
Appearance	No dust, no condensation, clean if necessary No damage No color changes on the shell and connecting terminal
Terminal block connections	Tighten it according to the torque $0.6\text{N}\cdot\text{m} \sim 0.8\text{N}$ without any looseness
Switch making and breaking reliability	Check whether the switch is connected or disconnected before and after action.

Company Commitment

Under the condition that users follow the use and storage conditions and the product are well sealed, within 36 months from the production date, our company will provide repair and replacement service free of charge for any damage or abnormal operation due to poor manufacture quality. A paid repair will be provided if the warranty period expires. For any damage due to one of the following situations, a paid repair will be given even if within the warranty period:

- (1) Improper operation, maintenance, or storage;
 - (2) Modified without permission or improper repair;
 - (3) Damage due to falling off or caused during installation after purchase;
 - (4) Force majeure such as earthquakes, fires, lightning strikes, abnormal voltages, and secondary disasters;
- If you have any question, please contact the dealer or our company's customer service department.
Customer service hotline:400-826-8008



Certificate

DELIXI ELECTRIC LTD

Name: Micro switch

Model: LXW5 series

This product passes the inspection and is allowed to be shipped

Standard: GB/T 14048.5

Inspector: Check 05

Production date: See label on inner box

Manufacturer: Zhejiang Delixi Electrical Co., Ltd.

Address: Delixi High-Tech Industrial Park, Liushi Town, Yueqing City, Zhejiang P/C: 325604

Tel: (86-577) 61778888

Fax: (86-577) 61778000

Customer Service Hotline: 400-826-8008

www.delixi-electric.com

The first edition of this user manual was issued in May 2018.