

LW32 Series  
Universal Change-over Switch

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# User Instructions

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## **Safety Warning:**

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- ① Only professional technicians are allowed for installation and maintenance;
- ② Installation in any damp, condensed-phase environment with inflammable and explosive gas is forbidden;
- ③ When the product is being installed or maintained, the power must be switched off;
- ④ You are prohibited from touching the conductive part when the product is operating;
- ⑤ Prevent metal powder, sand dust and other foreign objects from entering the product.

## 1 Use Purpose

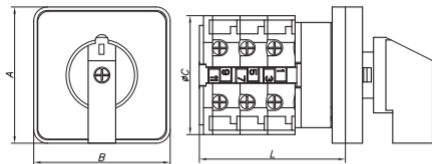
Lw32 series universal change-over switch (hereinafter referred to as the switch) is a multi-gear, multi-loop control master device, which is mainly used for the change-over of various control lines, the phase-shift measurement control of voltmeter and ammeter, the change-over and remote control of distribution equipment lines, etc.

## 2 Main Technical Parameters

Table 1 Main Technical Parameters

Model Specifications		LW 32-20	LW 32-25	LW 32-32	LW 32-63	LW 32-125
Ambient conditions	Ambient temperature (°C)	-5 °C ~ + 40 °C, the average temperature within 24 hours shall not exceed + 35 °C				
	Atmospheric conditions	+At 40 °C, the relative humidity shall not exceed 50%; at a lower temperature, a higher relative humidity is allowed, e.g., 90% at 20 °C.				
	Altitude	Less than 2,000m				
	Pollution class/ installation category	3				
Technical Parameters	Agreed heating current I <sub>th</sub> (A)	20	25	32	63	125
	Rated operating voltage U <sub>e</sub> (V)	AC380 DC220	AC440 AC220			
	Rated insulation voltage U <sub>i</sub> (V)	550	690			
	Rated frequency (Hz)	50				
	Enclosure protection class	IP20				
	Installation mode	Back-panel wiring, screw mounting				

### 3 Installation



1-a Outline and installation size

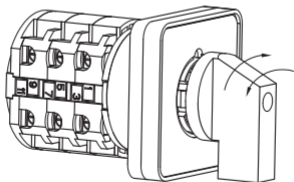
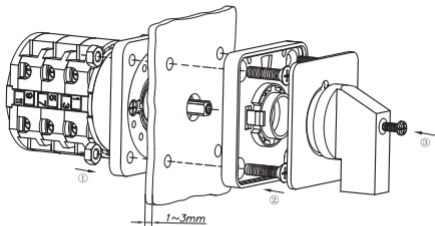
Unit: mm

	A	B	C	L
LW32-20	48	48	44	22+10n
LW32-25	48	48	46	24+13n
LW32-32	64	64	58	28.5+13n
LW32-63	64	64	66	30.5+21.5n
LW32-125	88	88	84	37+26.5n

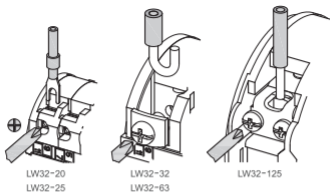
1-b Mounting hole size

Unit: mm



	a	b	d1	d2
LW32-20	36	36	4.5	10
LW32-25	36	36	4.5	10
LW32-32	48	48	4.5	10
LW32-63	48	48	4.5	10
LW32-125	68.5	68.5	6	13



**1-c Outline and installation size**



### 2-Wiring

		
LW32-20	2.5mm <sup>2</sup>	( 0.5~0.6 ) N.m
LW32-25	2.5mm <sup>2</sup>	( 0.5~0.6 ) N.m
LW32-32	4mm <sup>2</sup>	( 1.2~1.4 ) N.m
LW32-63	10mm <sup>2</sup>	( 2.5~3 ) N.m
LW32-125	35mm <sup>2</sup>	( 2.0~2.4 ) N.m

## 3.1 Inspection before installation

3.1.1 Nameplate: technical parameters meet the actual use requirements.

3.1.2 Outline: clean and dry, parts are intact, fasteners are not loose, gear mark meets the requirements of the wire maps.

3.1.3 Operational performance: perform 5 operating cycles (the switch handle is changed from the starting gear position to the ending gear position, and then returns to the starting gear position from the ending gear position, thus forming one operating cycle), and the product movement is flexible and reliable.

3.1.4 Making/breaking: Positioning and making/breaking meet the requirements of the wire maps.

### 3.2 Installation method

Make a hole on the mounting plate (cabinet door)→connect the switch body and the mounting plate with screws and fasten them→Install the panel (gear position identification plate) → Install the handle.

### 3.3 Inspection after installation

Make sure that the wiring is correct before power connection.

### 3.4 Parts of the wire maps

LW32-□/1				
setting position	1	0	2	
contact code number				
— 1-2 —	X			
— 3-4 —				X

LW32-□/D101/1				
setting position	1	0	2	
contact code number				
— 1-2 —				X
— 3-4 —	X			

LW32-□/2				
setting position	1	0	2	
contact code number				
— 1-2 —	X			
— 3-4 —				X
— 5-6 —	X			
— 7-8 —				X

LW32-□/D202/2				
setting position	1	0	2	
contact code number				
— 1-2 —				X
— 3-4 —	X			
— 5-6 —				X
— 7-8 —	X			

LW32-□/3				
setting position	1	0	2	
contact code number				
— 1-2 —	X			
— 3-4 —				X
— 5-6 —	X			
— 7-8 —				X
— 9-10 —	X			
— 11-12 —				X

LW32-□/D303/3				
setting position	1	0	2	
contact code number				
— 1-2 —				X
— 3-4 —	X			
— 5-6 —				X
— 7-8 —	X			
— 9-10 —				X
— 11-12 —	X			

LW32-□/4			
setting position contact code number	1	0	2
— 1-2 —	X		
— 3-4 —			X
— 5-6 —	X		
— 7-8 —			X
— 9-10 —	X		
— 11-12 —			X
— 13-14 —	X		
— 15-16 —			X

LW32-□/D404/4			
setting position contact code number	1	0	2
— 1-2 —			X
— 3-4 —	X		
— 5-6 —			X
— 7-8 —	X		
— 9-10 —			X
— 11-12 —	X		
— 13-14 —			X
— 15-16 —	X		

### 3-a

LW32-□/5			
setting position contact code number	1	0	2
— 1-2 —	X		
— 3-4 —			X
— 5-6 —	X		
— 7-8 —			X
— 9-10 —	X		
— 11-12 —			X
— 13-14 —	X		
— 15-16 —			X
— 17-18 —	X		
— 19-20 —			X

LW32-□/D505/5			
setting position contact code number	1	0	2
— 1-2 —			X
— 3-4 —	X		
— 5-6 —			X
— 7-8 —	X		
— 9-10 —			X
— 11-12 —	X		
— 13-14 —			X
— 15-16 —	X		
— 17-18 —			X
— 19-20 —	X		

LW32-□/C06/3		
setting position	0	1
contact code number		
— 1-2 —		X
— 3-4 —		X
— 5-6 —		X
— 7-8 —		X
— 9-10 —		X
— 11-12 —		X

LW32-□/C0A/5		
setting position	0	1
contact code number		
— 1-2 —		X
— 3-4 —		X
— 5-6 —		X
— 7-8 —		X
— 9-10 —		X
— 11-12 —		X
— 13-14 —		X
— 15-16 —		X
— 17-18 —		X
— 19-20 —		X

LW32-□/C02/1		
setting position	0	1
contact code number		
— 1-2 —		X
— 3-4 —		X

LW32-□/C04/2		
setting position	0	1
contact code number		
— 1-2 —		X
— 3-4 —		X
— 5-6 —		X
— 7-8 —		X

LW32-□/C08/4		
setting position	0	1
contact code number		
— 1-2 —		X
— 3-4 —		X
— 5-6 —		X
— 7-8 —		X
— 9-10 —		X
— 11-12 —		X
— 13-14 —		X
— 15-16 —		X

### 3-b

LW32-□/C01/1		
setting position	0	1
contact code number		
— 1-2 —		X
— 3-4 —		

LW32-□/C11/1		
setting position	0	1
contact code number		
— 1-2 —	X	
— 3-4 —		X

LW32-□/D111/2			
setting position	1	0	2
contact code number			
— 1-2 —	X		
— 3-4 —		X	
— 5-6 —			X
— 7-8 —			

LW32-□/C22/2		
setting position	0	1
contact code number		
— 1-2 —	X	
— 3-4 —	X	
— 5-6 —		X
— 7-8 —		X

LW32-□/D204/3			
setting position	1	0	2
contact code number			
— 1-2 —	X		
— 3-4 —	X		
— 5-6 —			X
— 7-8 —			X
— 9-10 —			X
— 11-12 —			X

LW32-□/D222/3			
setting position	1	0	2
contact code number			
— 1-2 —			X
— 3-4 —			X
— 5-6 —		X	
— 7-8 —		X	
— 9-10 —	X		
— 11-12 —	X		

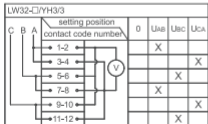
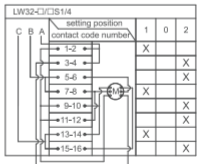
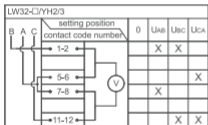
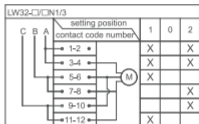
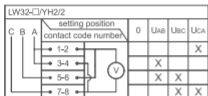
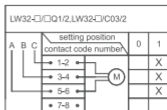
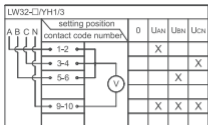
LW32-□/C33/3		
setting position	0	1
contact code number		
— 1-2 —	X	
— 3-4 —		X
— 5-6 —	X	
— 7-8 —		X
— 9-10 —	X	
— 11-12 —		X

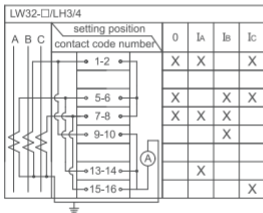
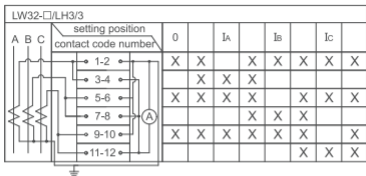
LW32-□/D404/3			
setting position	1	0	2
contact code number			
— 1-2 —			X
— 3-4 —	X		
— 5-6 —	X		
— 7-8 —			X
— 9-10 —	X		X
— 11-12 —	X		X

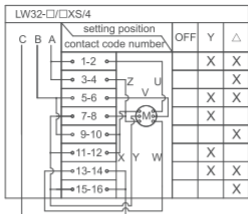
LW32-□/YH4/2		setting position	U <sub>AB</sub>	U <sub>BC</sub>	U <sub>CA</sub>
A	C	contact code number			
		1-2	X	X	
		3-4		X	X
		5-6			X
		7-8	X		

LW32-□/YH5/3		setting position	U <sub>CA</sub>	U <sub>BC</sub>	U <sub>AB</sub>	0	U <sub>AN</sub>	U <sub>BN</sub>	U <sub>CN</sub>
A	C	contact code number							
		1-2		X					X
		3-4	X						
		5-6						X	
		7-8		X	X				
		9-10	X		X		X		
		11-12					X	X	X

LW32-□/YH5/4		setting position	U <sub>CA</sub>	U <sub>BC</sub>	U <sub>AB</sub>	0	U <sub>AN</sub>	U <sub>BN</sub>	U <sub>CN</sub>
N	A	contact code number							
		1-2		X					X
		3-4			X			X	
		5-6	X						
		7-8					X		
		9-10					X		X
		11-12	X		X				
		13-14						X	
		15-16		X					







3-f

## 4 Maintenance

### 4.1 Routine maintenance

- 4.1.1 Remove dust from the surface of the product;
- 4.1.2 Confirm that the terminal screws of the product are not loose, the wire connection is reliable, and the fasteners are not loose;
- 4.1.3 Confirm the operation performance and making/breaking of the product (see 3.1.3 and 3.1.4).

**Note:** This product is not repairable and should be replaced in time after damage.

### 4.2 Storage precautions

The product should be stored in a ventilated, dry warehouse without corrosive gas. The product should not be placed directly on the floor to avoid damage.

## 5 Environmental Protection

In order to protect the environment, the product or product parts should be disposed of according to the industrial waste treatment process, or be sent to the recycling station for assortment, dismantling and recycling.

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**CHINT**

**QC PASS**

LW32 Series  
Universal Change-over Switch

Check 05

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Test date: Please see The packing

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**ZHEJIANG CHINT ELECTRICS CO.,LTD.**

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**CHINT**

CHINT ELECTRICS

LW32 Series  
Universal Change-over Switch  
User Instructions

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