1 Application

LW series universal transfer switch is mainly used for closing,opening and transferring electric controlling circuit,as magnet coil,electrical measuring instruments and actuating motor etc.Some switch can be used for controlling small capacity electromotor directly.(See table 1)

Table 1 Rated control power and application

TYPE	Direct starting Code:Q (Q1)	Reversible change over Code:N (N1)	Shift for two speed motor Code:S (S1)	Shift reverse for two speed motor Code:SN
LW5D-16	√	√	√	√
LW32	√	√	√	
LW112-16	√	√	√	√

2 Normal operating,installation and transport conditions

2.1 Normal operating condition

2.1.1 Ambient air temperature

The upper limit of the ambient air temperature is +40℃,the average temperature of 24h should not be more than +35℃.

The lower limit of the ambient air temperature is -5℃.

2.1.2 Height

The height above sea level is not more than 2000m.

2.1.3 Atmosphere condition

2.1.3.1 Temperature

When the ambient air temperature is + 40℃,the relative humidity should not be more than 50%.Under the lower temperature,the higher relative humidity is permitted.For example,relative humidity is permitted to 90% when the ambient air temperature is +20℃.

2.1.3.2 Pollution grade

Pollution grade is 3.

2.1.3.3 Installation category

Installation category Ⅲ.

2.2 Installation conditions

2.2.1 The products should be installed at a place without serious vibration and impact.

2.2.2 In the media without exploding danger,and the media should not contain the dust and gas,which can rust metal and destroy insulation characteristic.

2.2.3 The product should be installed at a place with snow(rain) shielding equipment.

2.3 Transport and deposited conditions

If the transport and deposit conditions,such as temperature and humidity,were different form the 2.1 Consumer should make an agreement with our corporation.The following temperature range is applicable to transport and deposited:-25℃~55℃,in a short time ,(24h) can reach +70℃.

3 Shape and installation dimension

3.1 Shape dimension

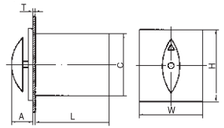
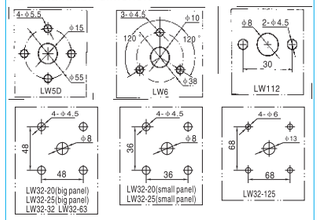


Table 2 Shape dimension

TYPE	Amax	Lmax	Cmax	W	H	T	REMARK
LW5D (Orientation)	58	50÷16n	ϕ71	72(75)	72(75)	1~5	"n" stands for section number of contacting system
LW5D (Self-reset)	58	52÷16n	ϕ71	72(75)	72(75)	1~5	
LW6	37	27.5+13.5n	ϕ56.5	60	60	1~5	
LW112 (Orientation)	39	34+13.5n		52	50	50	1~6
LW112 (Self-reset)	39	46+13.5n		52	50	50	1~6
LW112 (Orientation& Self-reset)	39	66+13.5n		52	50	50	1~6
LW32-20 (small panel)	37	22+10n	ϕ44	50	50	1~5	
LW32-20 (big panel)	37	25+10n	ϕ44	64	64	1~5	

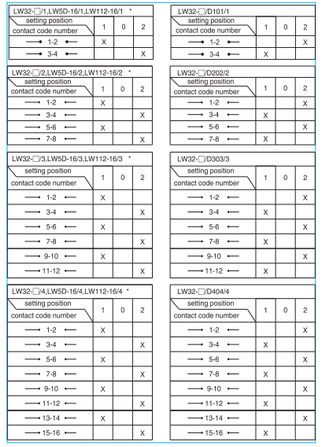
LW32-25 (small panel)	32	24+13n	ϕ46	50	50	1~5
LW32-25 (big panel)	30	25+13n	ϕ46	64	64	1~5
LW32-32	35	28.5+13n	ϕ58	64	64	1~5
LW32-63	35	30.5+21.5n	ϕ66	64	64	1~5
LW32-125	39	37+26.5n	ϕ84	88	88	1~5

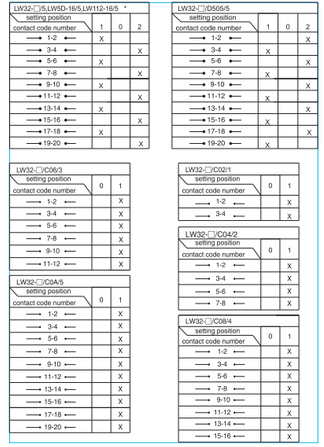
3.2 Installation dimension

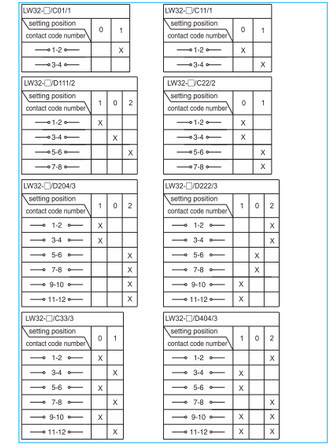


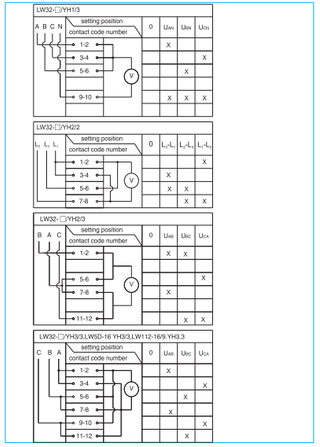
3.3 Common Connection diagram

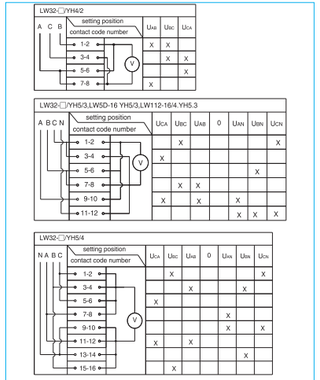
*Note:the setting position marks of LW5D and LW112 are dots.

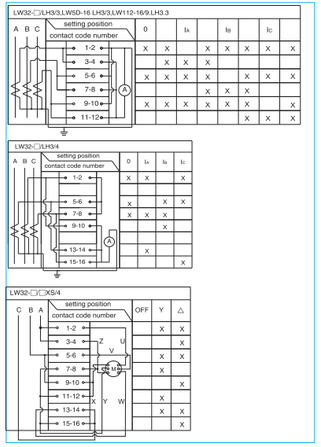


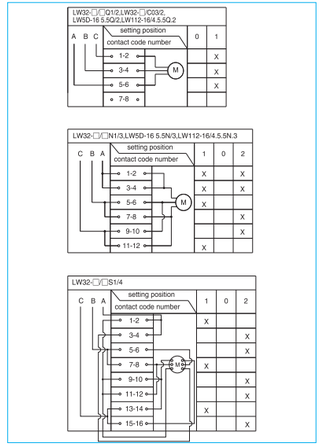












4 Installation and servicing

4.1 Please check the switching position of the switch before using.

4.2 When installing,first,demount handle,cover, front panel and square panel.Secondly,install switch in the mounting panel by screws which pierce holes on dead plate.Finally,install the demounted parts in the switch orderly.

4.3 The products should be installed at a place without serious dust.

5 Notice for order

Commonly,users should accord our application drawing to order.If it can't satisfy with your demand, you can order with accessary requirement.

Place for delivery,time,enterprise or personnel name and other necessary information should be clarified.

Please reserve the instruction manual

CHINT

Please read the operation instruction manual before installing and using the product

Standard: IEC 60947-5-1

LW Series

UNIVERSAL TRANSFER SWITCH

OPERATING INSTRUCTION MANUAL