



# Touch Intelligent Switch

## Manual

TECHNOLOGY CREATES FUTURE, INTELLIGENT MAKES  
LIFE BETTER

## Intelligent Switch Manual

Dear customers, thank you for choosing our products, in order to facilitate your installation and usage, please read the instruction carefully in advance.

Sola is specialized in intelligent key switch for family which has high anti destroyed capability, high reliability, high stability, and can realize the intelligent control of home appliances.

### Main characteristics:

√ Z-wave control system adopt wireless communication technology, without breaking the wall, without wire, and with mutual response mode, can easily realize the switch control of home appliances.

√ Capacitive touch screen, applicable to energy-saving lamp, fluorescent lamp, incandescent lamp and other lamps.

√ Strong anti destroyed ability, high reliability, high stability

√ Ultra low standby power consumption:  $\leq 100\text{MW}$

√ Single maximum load power 800W (dimming 300W)

√ Backlit display

Applicable to the two-wire connection (must layout zero line)

## **Main functions:**

### **One, touch function**

Capacitive touch screen panel can realize on and off by a touch, this function is quite similar with traditional switch function; switch state can remember, namely the power switch automatically on, the state will be the same as last state.

### **Two, the wireless connection function**

Through the bidirectional response mode, can realize the switch associated operation, after the association work, can realize the linkage control among switches.

### **Three, system control function**

Can be matched with Sola smart host, realize system control function.

### **Four, SLLTD-150F dimming function**

Can adjust the incandescent lamp which controlled by dimming.

Similarly, this function can be realized by wireless control. After dimming, brightness values can remember, the next light on, can keep the last brightness values.

## Scope of application

SLLTS-150F、SLLTS-250F、SLLTS-350F: applicable to various lighting control switch, such as incandescent lamps, fluorescent lamps, energy-saving lamps, spotlight etc..

SLLTD-150F: applicable to incandescent lamp, no transformers spotlight and other resistive load lights.

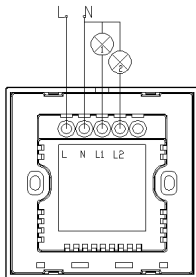
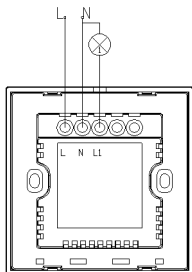
## Product wiring diagram

One position touch

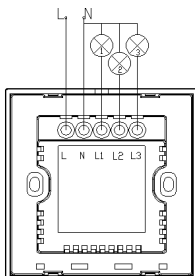
/SLLTS-150F

Two position touch switch

switch/SLLTS-250F

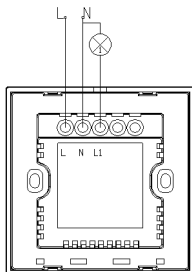


Three position touch  
switch /SLLTS-350F



Product wiring diagram

One position touch dimming switch/ SLLTD-150F



## Instruction

SOLA intelligent switch must be used with the SOLA host, for related operation methods and functions setting, please refer to the SOLA host manual.

Not dimming switch SLLTS-150F SLLTS-250F SLLTS-350F	Short press the switch to open and close the lamps, Long press the switch to add devices.
One way dimming switch SLLTD-150F	Short press the middle switch to open and close the lamps, Long press the middle switch to add devices. Long press the first or last switch to dimming
Two way dimming switch SLLTD-250F	Short press either the middle switch to open and close the lamps, Long press either the middle switch to add devices. Long press either the first or last switch to dimming

## Technical parameters

Working voltage	180~250VAC
Standby power consumption	$\leq 100\text{mw}$
Radio frequency	908.42MHz
Wireless transmission power	$\sim 10\text{dbm}$
The wireless receiving sensitivity	$\leq -105\text{dbm}$
The maximum load power	800W (The maximum load current $\leq 4\text{A}$ ) , dimming load $\leq 300\text{W}$ (Resistance, such as incandescent lamp)
The minimum load power	5W (applicable to the single wire connection, two-wire system without this restriction, the dimming load should be more than 10W)
Adapt to insert box size	77X77X38mm
Temperature	0-60℃
Relative humidity	$\leq 80\%$ (non-condensing)

Size (height * width * thickness)	86mm×86mm×37mm
Weight	160g

### Notes:

1. Hire a professional electrician to install or remove switch for you, but, you must cut off the power supply in advance.
2. Cannot be installed in the open air, washroom, bathroom or other damp environment.
3. The sum of each switch load cannot be greater than the total power.
4. The lamp will flash when the switch power on again.
5. In order to work, the dimming way of dimming switch must be connected with load.
6. If the lamp slightly flicker, we suggest to adjust (slightly increase) lamp power.
7. We suggest to use energy saving lamps which produced by regular factory (such as: Philips, Foshan illumination, Opplé, Osland, GE). For fluorescent lamp, we recommend to use electronic rectifier.



## Warranties

Two-year warranty since the date of purchase; during the warranty period, SOLA products used in normal circumstances, if the problem occurs (does not contain artificial damage), can be free repaired or replaced according to purchase invoices from local dealers.

1 During the warranty period, for quality problem, can be free repaired in the first year, in the second years, only charge part of the fault parts.

2 Without SOLA company or local customer center permits, unauthorized disassemble SOLA product components, we would not bear free warranty liability.

Note: SolaTechnology Inc. has the final right of interpretation for above clauses.

## SolaTechnology Inc.

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## FCC NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.