General Controller LS143

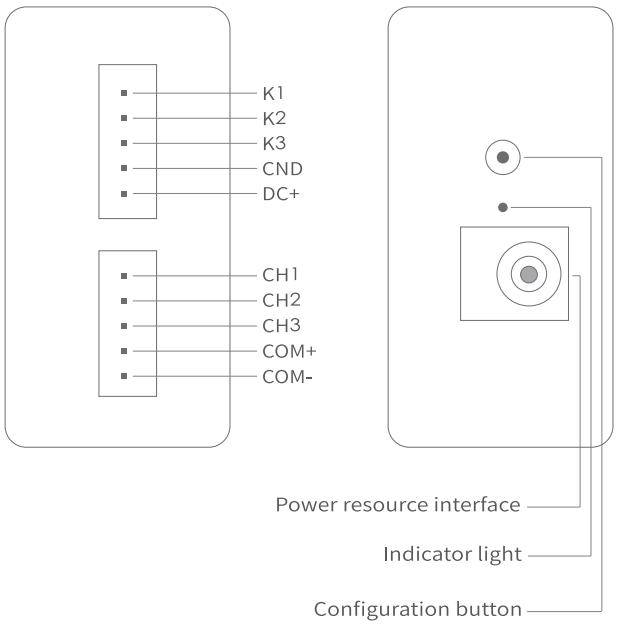
INTRODUCTION

LifeSmart' s General Controller is a professional engineer device. It integrate digital input and output from 3rd party devices. By connecting to the General Controller, switches / buttons / sensors of dry contact could integrate with LifeSmart system perfectly and achieve intelligent control.

SPECIFICATIONS

Size	83.6*47.0*22.3mm
Weight	50g
Material	ABS
Wireless protocol	CoSS
Wireless distance	200m (Open field)
Operating temperature	-5 ~ 45°C
Operating humidity	5~ 90%
Input	DC 12V/24V
Maximum load	3A
Static consumption	<1.5W

ILLUSTRATION



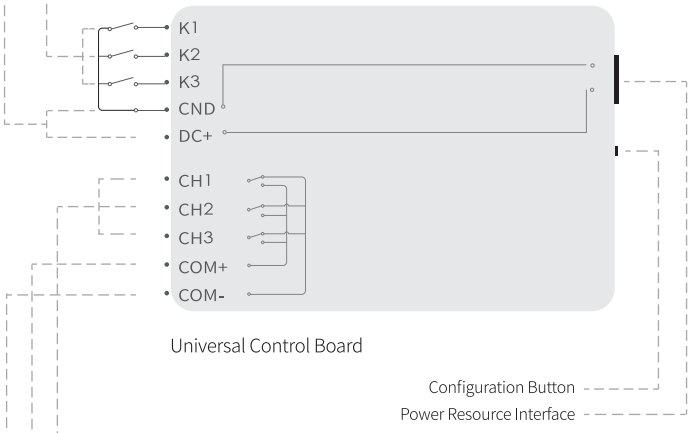
Notice: General Controller installation may involves strong current operation, please contact electrician to operate!

Notice: General Controller has several working mode, please follow the wiring plan.

WIRING PLAN - Free Mode

It can be connected to the dry contact of different sensors (like smoke sensor, gas sensor and so on) using wired connection. When there is a signal detected, which also means K1/K2/K3 is connected with GND, App uploads data and then a notification will be pushed or trigger will be activated accordingly.

GND/DC+ ports are connected in parallel with the power resource interface of the general controller. If the voltage of the device and the general controller match, these ports can be used to power the device by connecting the device's power terminals (GND/0V and 12V/24V), or if the device has its own power resource, it can also be connected here to power the general controller, so that the general controller does not need an external power supply.



It can connect to three different output interfaces here. The control channels with CH1, CH2 and CH3 can work independently.

COM+ is normally open, and disconnected with CH1, CH2 and CH3 in default. If the control item is on then it is connected.

COM- is normally closed, and connected with CH1, CH2 and CH3 in default. If the control item is on then it is disconnected.

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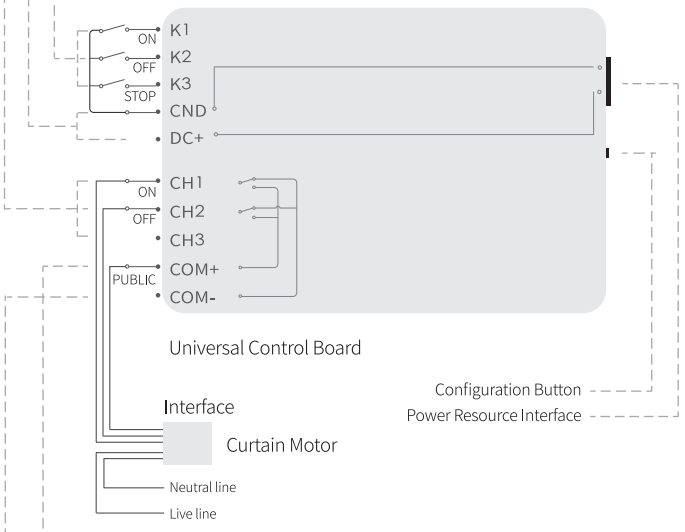
General Controller LS143

WIRING PLAN - Two-way Curtain Control

The on/off status of CH1, CH2 and CH3 depends on the connection of K1/K2/K3.

Connected to the power resource parallel.

CH1 and CH2 is connected to on and off dry contact of curtain motor, while CH3 is not connected to any interface.



COM+ is normally open, and connected to the public interface of the motor, and is disconnected with CH1, CH2 and CH3 in default. If the control item is on then it is connected. It can be powered by GND.

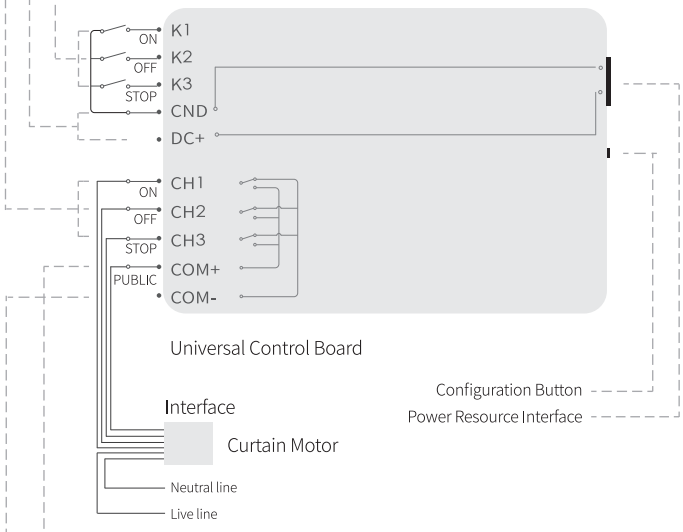
COM- is normally closed and not connected to any interface. It can be powered by DC+.

WIRING PLAN - Three-way Curtain Control

The on/off status of CH1, CH2 and CH3 depends on the connection of K1/K2/K3.

Connected to the power resource parallel.

CH1, CH2 and CH3 is connected to on, off and stop dry contact of curtain motor.



COM+ is normally open, and connected to the public interface of the motor, and is disconnected with CH1, CH2 and CH3 in default. If the control item is on then it is connected. It can be powered by GND.

COM- is normally closed and not connected to any interface. It can be powered by DC+.

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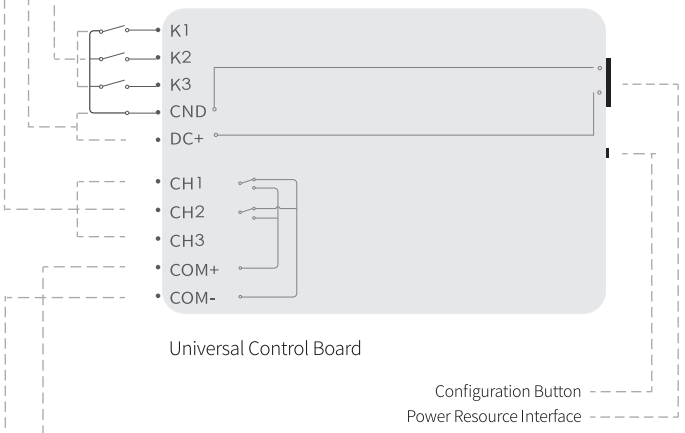
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WIRING PLAN - DC Motor

The on/off status of CH1, CH2 and CH3 depends on the connection of K1/K2/K3.

Connected to the power resource parallel.

CH1 and CH2 is connected to each interface of the DC motor separately.



COM+ is normally open, and connected to the public interface of the motor, and is disconnected with CH1, CH2 and CH3 in default. If the control item is on then it is connected. It can be powered by GND.

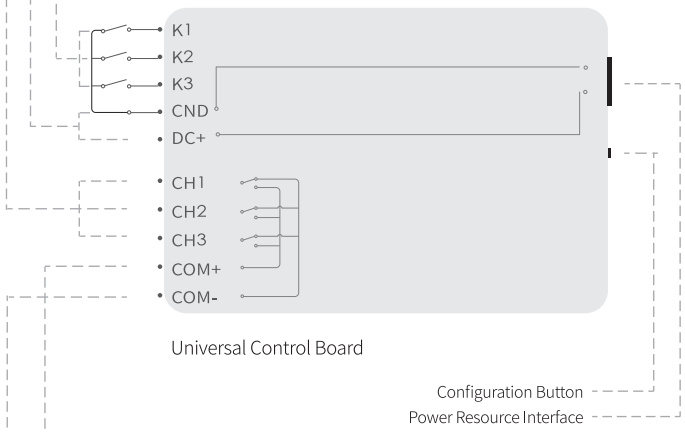
COM- is normally closed and connected with CH1 and CH2 in default. If the control item is on then it is disconnected.. It can be powered by DC+.

WIRING PLAN - Three-way Switch

The on/off status of CH1, CH2 and CH3 depends on the connection of K1/K2/K3.

1. Connected to the power resource parallel.
2. Power the sensor using GND/0V and 12V/24V.
3. If the sensor has a power resource itself, the sensor also can power the Universal Control Board using the DC input.

It can connect to three different output interfaces here. The control channels with CH1, CH2 and CH3 can work independently.



COM+ is normally open, and disconnected with CH1, CH2 and CH3 in default. If the control item is on then it is connected.

COM- is normally closed, and connected with CH1,CH2 and CH3 in default. If the control item is on then it is disconnected.

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SET UP

LifeSmart' s General Controller needs to be paired with Smart Station to join the smart system.

1 After configuration of the Smart Station, choose "**Add Device**" in LifeSmart App,, select " **General Controller** ", enter pairing mode.

2 Follow the instruction on the app to finish pairing.

3 If a time-out error occurs, please repeat step 1-3.

4 Select the correct working mode in the settings according to wiring plan.

WARRANTY DESCRIPTION

Thank you for purchasing this LifeSmart product. In order to protect your rights, please read the following content carefully: The warranty period of our company's products is one year from the date of purchase or longer if local laws impose a longer minimum term, in which case the minimum term is the warranty period. During the warranty period, any faults caused by the product itself or for quality problems that arise under normal usage, LifeSmart will provide a free replacement.

ATTENTION

The following conditions are not covered by the warranty:

- Product failure or damage caused by installation, use, and maintenance that is not in accordance with the product instructions;
- Products beyond the warranty period;
- Products that have the barcode tampered with or removed;
- Devices that have been tampered with or customized outside of LifeSmart Terms Of Service as on the LifeSmart App and website;
- User-caused damage, such as inappropriate voltage input, high temperature, accidental spillage, physical damage, etc;
- Product failure or damage caused by force majeure such as earthquakes, fires, or floods;
- Product failure or damage caused by other problems except the product itself.

User support e-mail address
support@ilifesmart.com
Website
iot.ilifesmart.com

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DECLARATION OF CONFORMITY

Hereby, LifeSmart declares that the radio equipment type is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:
http://global.ilifesmart.com/ce/docs/

CE

Notice: This device may be used in each member state in EU.

Manufacturer: HANGZHOU LIFESMART TECHNOLOGY CO.,LTD.
Address: 22th Floor, Yuesheng International Center, 518 Pinglan Road, Xiaoshan District, Hangzhou, Zhejiang, China

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