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HSAB55

4-Channel Switch Actuator Module

Control Range 30m



ZigBee 3.0
Network Control



Zoning & Grouping



ON/OFF





Product Description

HSAB55-Z is an AC input and 4 channels switch actuator based on ZigBee protocol. The maximum control current of each circuit is 16A and applicable to on-off control for 16A and below equipment.

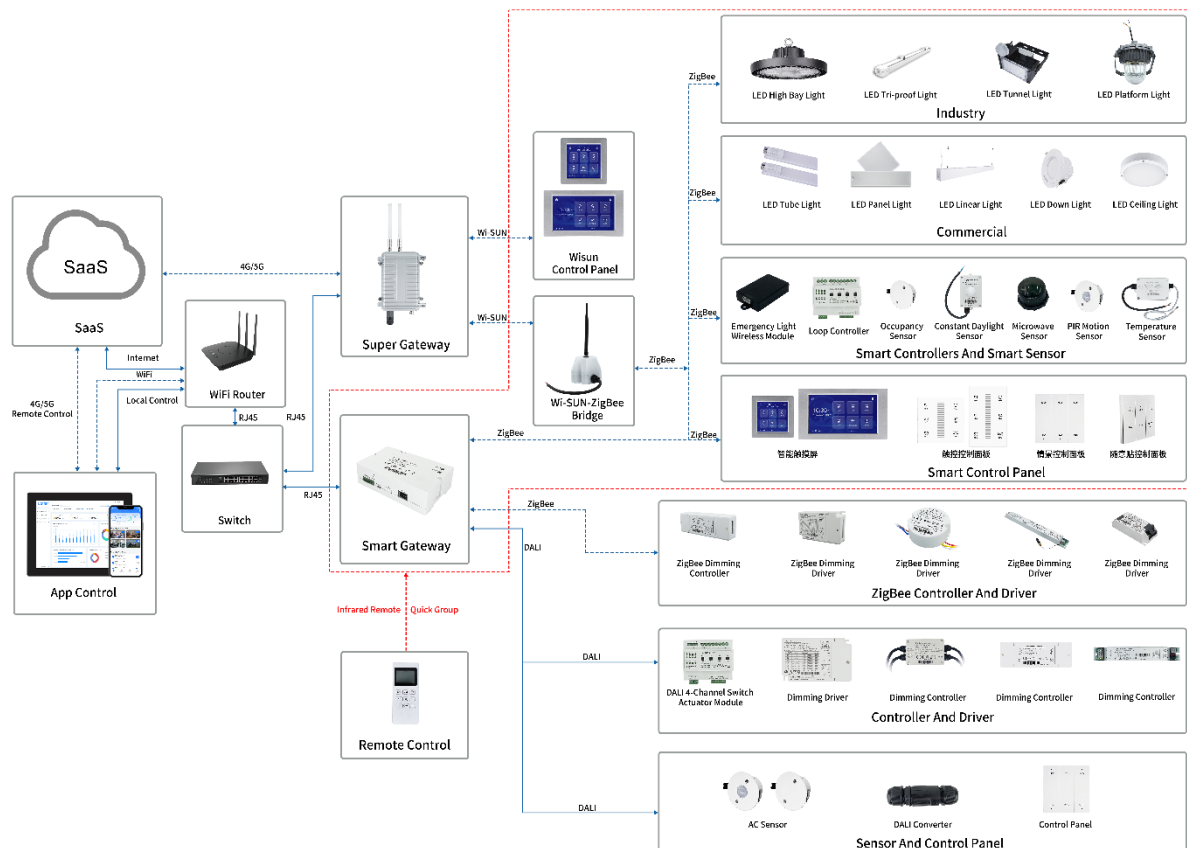
- Magnetic retention function. There is no relay control current on working status.
- Each relay has a mechanical manual switch for emergency operation.
- Each channel can be controlled by external dry contact.
- Support ZigBee 3.0 standard protocol with channel/channels of device, group and scene control.
- Work with HOMA HGW928-Z gateway for local/remote control, scene, schedule or other functions through mobile and server application.

Features

- Input 200-240Vac
- Output 200-240Vac
- 4 channels 16A magnetic latching relay
- Mechanical manual switch
- Support dry contact control
- Support ZigBee 3.0 standard protocol
- Support schedule for each channel
- Communication distance is 30 m
- 35mm standard rail
- Operating Temperature -20°C ~ 60 °C



System Diagram





Product Data

Certificate	CE
IEC Protection Class	IP20

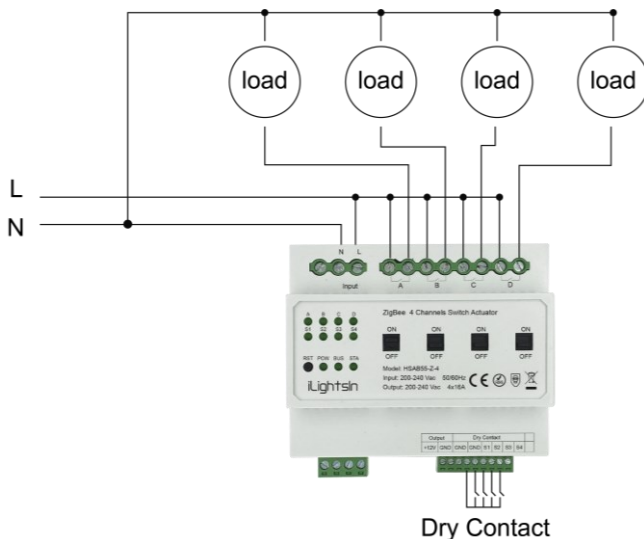
Application Conditions

Operating Temperature	-20°C~60°C
Working Humidity	5% ~ 85%RH
Storage Temperature	-40°C ~ 85°C
Storage Humidity	0% ~ 90%RH

Controls and Dimming

Intelligent Control	ZigBee
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Hardware Interface



Operating and Electrical

Input Voltage	200-240Vac
Output Voltage	200-240Vac
Output Loop	4 channels magnetic latching relay Each channel/16A MAX (Resistive load)
Standby Power	0.5W
Channel	4
Operation Life	100,000times
DC Voltage Output Interface	12V 100mAMAX
Control Range	30m

Structural Parameters

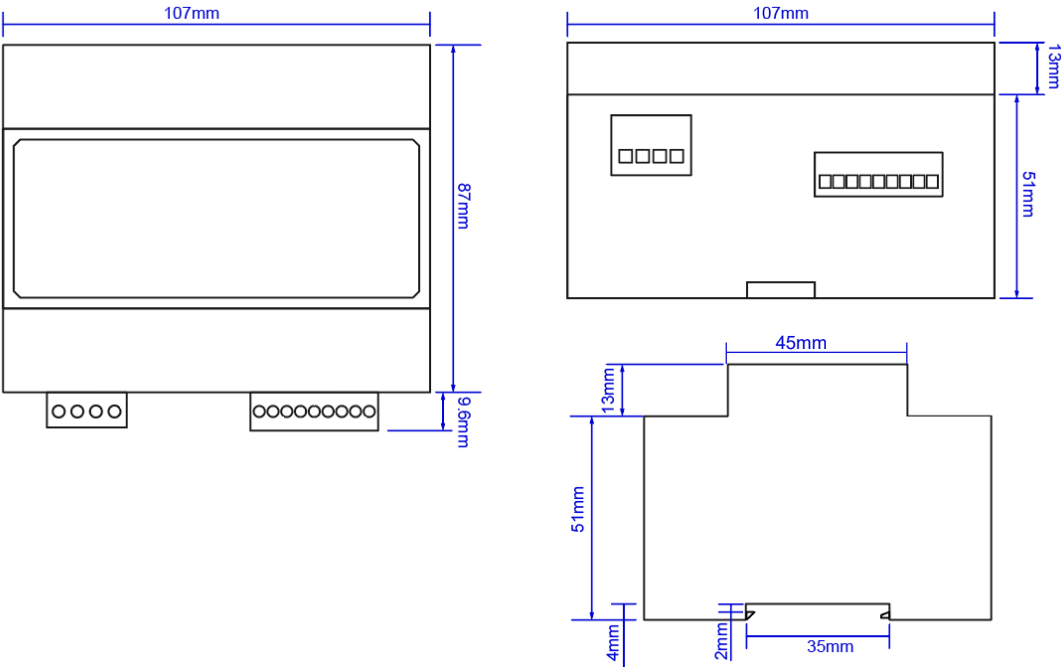
Structural Materials	PC V0
Appearance Color	White
Dry touchpoint Interface	Passive Dry Contact
Installation Method	Standard Rail 35mm
Outdoor Work	No

Terminal Name		Terminal Description
AC IN	L	Input 200-240VAC L
	N	Input 200-240VAC N
Channels	A	On/Off Output 200-240VAC 16A MAX
	B	On/Off Output 200-240VAC 16A MAX
	C	On/Off Output 200-240VAC 16A MAX
	D	On/Off Output 200-240VAC 16A MAX
DC Output	+12V	Output DC 12V 100mA(Maximum)
	GND	GND
Dry Contact	GND	Dry Contact GND
	S1	Control the channel A ON/OFF
	S2	Control the channel B ON/OFF
	S3	Control the channel C ON/OFF
	S4	Control the channel D ON/OFF



Drawing

Unit : mm



LED Indicator Status

LED Indicator		LED Indicator Status	Comments
A	A Channel Load	ON: The LED indicator keeps on OFF: The LED indicator keeps off	1、 The LED indicator will flash 5 times when TEST this channel in APP. 2、 The channel LED indicator will keep on/off if current channel dry contact control.
B	B Channel Load		
C	C Channel Load		
D	D Channel Load		
S1	Dry Contact S1 A	The LED indicator flashes once when that channel dry contact is pressed.	/
S2	Dry Contact S2 B		/
S3	Dry Contact S3 C		/
S4	Dry Contact S4 D		/
RST	Reset Button	Long press 10s to Reset	STA LED indicator keeps flashing after resetting successfully.
POW	Power Indicator Light	The LED indicator keeps on after main power on.	



Software Operation

- Switch Actuator is power on, "STA" LED Indicator will keep flashing meaning the device is initial state.
- Gateway is power on, please open iLightsIn Sync APP in the same LAN. Search the gateway and log in with Name: Admin and default password: 00000000.
- Click "Scan device" and the gateway will start to search the ZigBee controller in initial state.
- The searched switch actuator devices will be displayed in the application.
- For more detailed operation, please refer to "iLightsIn Sync User Guide.pdf"

Device Reset

2 ways to set ZigBee driver to initial state,

- Make sure both Switch Actuator and Gateway are power on, and delete the Switch Actuator device in "Editing Device" under the "Setting Menu" in the APP, and confirm successfully deleted.
- If Switch Actuator is not in initial state (this time "STA" Indicator Light will not keep flashing) when power on, then long press the "RST" button for 10 seconds. If the "STA" LED indicator keep flashing, meaning reset successful.

Note: If the device is not netted within 30 minutes of being powered on, the device will no longer be searched by the application software and needs to be powered on again.

Product Parameter

Model Number	Input voltage	Output Voltage	Output Loop	Frequency	Control Range	Operating Temperature
HSAB55-MWZ-4	200-240Vac	200-240Vac	4	2.4G	30m	-20°C - 60°C
HSAB55-MWZ-EA-4						
HSAB55-MWZ-EAC-4						

Package

Model Number	Net Weight (g)	Package Size (mm)	Gross Weight (g)	Carton Size (mm)	Package
HSAB55-MWZ-4	323g	112*100*72	353g	/	1PCS/Package
HSAB55-MWZ-EA-4	/	112*100*72	/	/	1PCS/Package
HSAB55-MWZ-EAC-4	/	112*100*72	/	/	1PCS/Package