

Copyright Clarify

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The user manual refer to the following devices:

SATION-WD0204.0801

Version

Version	Release Date	Remark
V1.0	Oct 17th,2014	1st Release



Notice

1. Please read this user manual carefully before using the product.
2. This product is used in indoor environment and installed in electrical control box.
3. Please install this product in a dry and ventilated place.
4. Before power on, please confirm the input voltage according to the manual; after power on, please confirm the normal output Voltage before connecting to the control bus.
5. Please make sure the secure shell is in good condition, if the shell is damaged, please stop using to avoid accident.
6. This product is NOT a toy, please make sure it is out of children touch.
7. Only be suitable for EIB/KNX system bus.
8. Others:

The below sign indicates this product can't be dealt as ordinary family rubbish, in order to avoid the possible environment and human health harm caused by the electrical waste, this product must follow recovery processing. Please contact the local recycling department after this product is scrapped, to make sure it can go as the right waste processing procedure.



1. Technical Parameters

Power supply Characteristics	KNX-Bus feed	DC 21V...31V
	Supply current	< 12mA
	Consumption	<360mW
	Control ways	4 channels
	Rated operational voltage	110~400V AC(50/60Hz)
	Power loss of every input	1.5W
Working life	Switch mechanical life	>2000000 times
	Contact electrical life	comply with IEC 60947-4-1
	$\mu=0.8/240V$	>100000 times
	$\mu=0.45/240V$	>30000 times
External connection	EIB/KNX Bus	paired cable comply with KNX standard are required EIB/KNX bus terminal (diameter 0.8mm)
	Load-end terminal	minimum 0.6Nm torque are required for termination
Operation and display interface	Programming button and corresponding indicator	Button distributes address,program Red LED flicker indicates proper function
	Status indication of switch position	Green LED indicates corresponding operation
Enclosure protection	IP20	EN60529
Safety level	II	EN61140
Insulated isolation	Overvoltage	EN60664-1 III
	Electric network pollution	EN60664-1 2
KNX safety level	SELV	24V DC
Temperature range	Operation temperature	-5℃...+45℃ (3K5type)
	Storage temperature	-25℃...+55℃
	Transportation temperature	-30℃...+70℃
Environmental requirement	Maximum humidity	93%,(condensation is exclusive)
Mechanical parameter	Size	4TE
	Weight	0.3 kg
	Installation	35mm U-shape rail (EN60715 EN50022)
Appearance	Gary-white, PVC panel	

2. Function Overview

This booklet provides all the details for SATION Curtain Actuator products, including the installation and the usage explanation

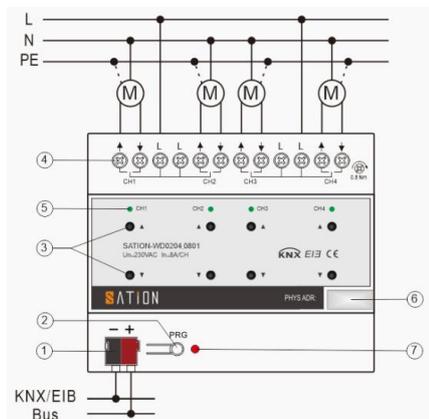
SATION Curtain Actuator connect the KNX bus and other equipments to form the building electrical equipments control system, and it can control the AC load without additional power. The AC motor need to be rotated clockwise and anti-clockwise at the same time. The Curtain Actuator is implemented for switching 4 ways independent AC load. The maximum load current for output of each control point is 10A (AC) or 2A (DC 48V)\8A (DC 30V), each circuit could be adjusted manually, the switch status are externally visible.

Applying the engineering debugging tool ETS can easily complete the debugging of the entire system. The distribution of the physical address and parameter setting can be done by using the engineering design tool software ETS (more than ETS3 V1.3) with the VD3/VD4 files, VD4 file need to be installed in case of using ETS 4 software.

The following functions can be set single way:

- 1) Curtain control function: control the clockwise and anti-clockwise operation of curtain motor
- 2) Time control function: ON/OFF with adjustable latency time
- 3) Scene and pre-set control: 8 or 1
- 4) Manual operation and safety function
- 5) Self -recovery of relay switch location after bus voltage disconnection and recovery

3. Circuit Wiring



- 1) KNX bus port
- 2) Programming button
- 3) Manual control/test button
- 4) Output control terminal
- 5) Operation Indicator (green)
- 6) Address label screen
- 7) Programming Indicator (red)

Note:

↑ indicates the anti-clockwise rotation of motor,

↓ indicates the clockwise rotation of motor,

the common port of motor is connected with zero line N.

Customer can confirm the wiring according to the practical motor operation, please be in strict accordance with the silk signs on the shell, the L line of 4 way control output is independent, the customer can choose different phase lines for every circuit.

4. Product Dimensions

