2018

Power Supply Choke User Manual

The user manual refer to the following device：
SATION-SP2003.6422
SATION-SP2003.3222

Zhuhai Sation Technology Co., Ltd

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Version

Version NO.	Release Date	Description
V1.0	Aug 8th 2018	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.

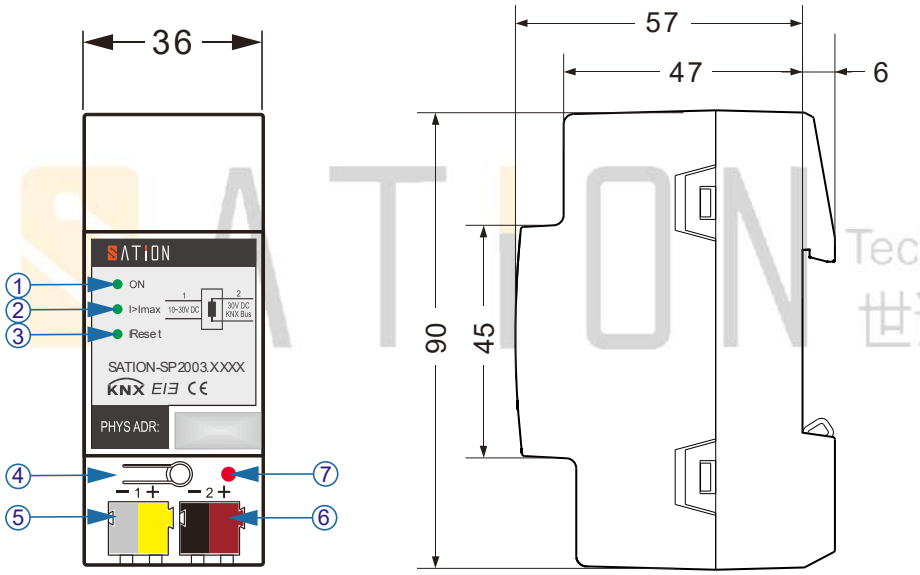
1 Technical Parameter

Power Supply	Power Input	10~30V DC
	KNX-BUS Output	30V DC
	KNX Bus	It is required to use the KNX standard double stranded cable (0.8mm in diameter) and the KNX bus terminal
Operation and display interface	ON Indicator Light	Indicates external power supply status
	I>Imax Indicator Light	When the current exceeds 640mA(SP2003.6422) or 320mA(SP2003.3222), the indicator light is on
	Reset Indicator Light	When short circuit, manual reset and the current exceeds I>1.5*Imax, the indicator light is on; It can be restored after 22 seconds of manual reset, and can be recovered after other failures are eliminated
	SR	After manual reset, the reset indicator light is on, and the bus output terminal has no voltage output, which can be restored after 22 seconds
Protection type	IP20	EN60529
Protection class	II	EN61140
Temperature range	Operation	-5℃…+45℃
	Storage	-25℃…+55℃
	Transport	-30℃…+70℃
Environmental Requirement	Max air humidity	93%, except moisture condensation
Specification	Volume	36mm*90mm*63 mm
	Weight	Around 130g
	Installation	35mm U shape guide rail
Appearance	Grey white、PVC	
Certification	KNX EN50090-1 EN50090-2	

2 Function Overview

Low voltage bus power supply, which can convert 10~30V DC into KNX standard power supply. When the low voltage bus power supply is reset manually, the Reset indicator light is on, and the output end of KNX bus has no voltage output, which can be restored after 22 seconds. The low voltage bus power supply has the function of short circuit protection. After short circuit, the Reset indicator light is on. The low-voltage bus power supply has the function of current indication. When the current exceeds 640mA (SP2003.6422) or 320mA (SP2003.3222), the I>Imax indicator light is on. When I>1.5*Imax, Reset indicator light is on, KNX bus output terminal has no voltage output, and the current can be restored when normal.

3 Dimensional Drawing



Unit: mm

1：External power supply on power indicator light

2：Over current indicator light

3：Reset indicator light

4：Reset button

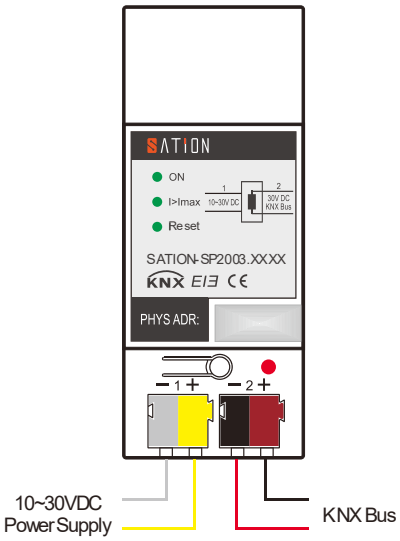
5：External power input interface

6：KNX power output

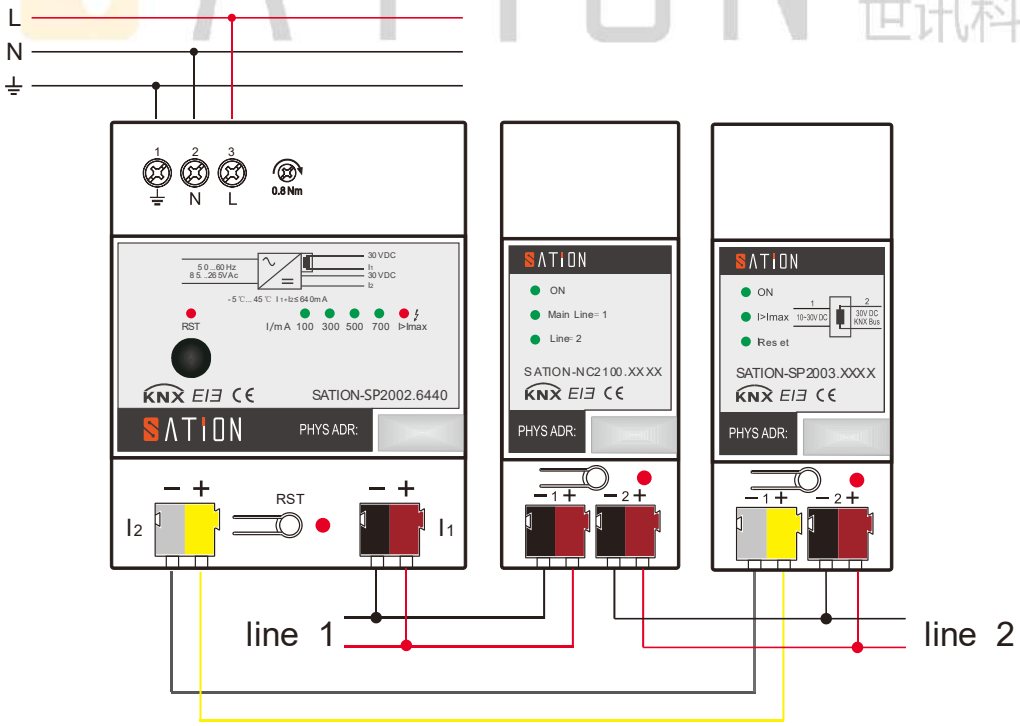
7：Reset indicator light

4 Wiring Diagram

4.1 Used with External Power Supply of 10-30vdc



4.2 Used with KNX Power Supply and Line Coupler



5 Contact

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