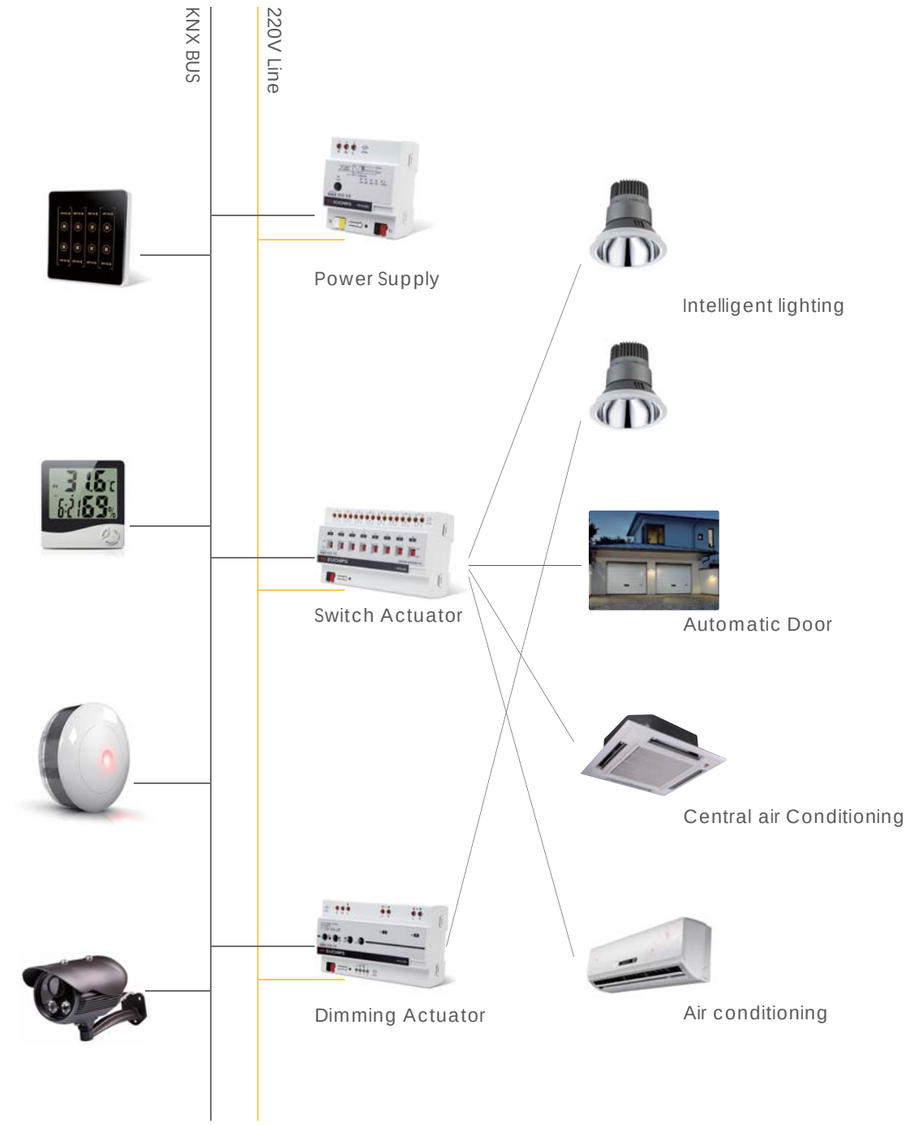
KNX Controller Series

KNX Bus System



KNX Switch Actuator

Function / Item No.	Input Voltage	Output			Size(mm)L*W*H	Picture
		Channel	Current	Signal		
KNX-EUR0120	100-440VAC	1	20A	Switch	36 x 90 x 57	
KNX-EUR0116	100-440VAC	1	16A	Switch	36 x 90 x 57	
KNX-EUR0420	100-440VAC	4	20A	Switch	72 x 90 x 57	
KNX-EUR0416	100-440VAC	4	16A	Switch	72 x 90 x 57	
KNX-EUR0620	100-440VAC	6	20A	Switch	108 x 90 x 57	
KNX-EUR0616	100-440VAC	6	16A	Switch	108 x 90 x 57	
KNX-EUR0820	100-440VAC	8	20A	Switch	144 x 90 x 57	
KNX-EUR0816	100-440VAC	8	16A	Switch	144 x 90 x 57	
KNX-EUR1220	100-440VAC	12	20A	Switch	215 x 90 x 57	
KNX-EUR1216	100-440VAC	12	16A	Switch	215 x 90 x 57	

KNX Dimming Actuator

Function / Item No.	Supply Voltage	Output			Size(mm)L*W*H	Picture
		Channel	Current	Signal		
KNX-EUM0106	85-265VAC	1	6A	ELV	72 x 90 x 57	
KNX-EUM0103	85-265VAC	1	3A	ELV	72 x 90 x 57	
KNX-EUM0206	85-265VAC	2	6A	ELV	144 x 90 x 57	
KNX-EUM0203	85-265VAC	2	3A	ELV	144 x 90 x 57	
KNX-EUM0306	85-265VAC	3	6A	ELV	215x 90 x 57	
KNX-EUM0303	85-265VAC	3	3A	ELV	215x 90 x 57	

KNX Power Supply

Function / Item No.	Input Voltage	Output		Size(mm)L*W*H	Picture
		Channel	Current		
KNX -130	85-265VAC	2	320mA	72 x 90 x 57	

KNX Universal Interface

Function / Item No.	Input Voltage	IO Channel	Output		Size(mm)L*W*H	Picture
			Current	Function		
KNX-EUIO-06	21-31VDC	6	DC 20V/0.5mA DC 3.3V/Max 2mA	Universal Interface	48 x 41.5 x 19	

KNX Switch Actuator

Function / Item No.	Input Voltage	Channel	Function	Size(mm)L*W*H	Picture
KNX -P02	21-31VDC	Max 8	Switch	80 x 80 x 10	

KNX Controller Series

KNX-EUR0816

KNX Switch Actuator

Presentation

switch actuator, optional three kinds of specifications--4, 8, 12 ways, using KNX bus terminals to connect the network system, no additional power supply required, therefore can control the communication load.The distribution of the physical address and parameter setting can be done by using the engineering design tool software ETS (version ETS4) with the knxprod files, knxprod file to be installed in case of using ETS 4 software.

This switch actuator is implement for switching 4 to 12 ways independent electrical AC load or three-phase load. The maximum load current for output of each control point is 20 A, each circuit could be switch on or switch off manually.The switch status are externally visible.

Parameter

KNX-Bus Voltage	21-31VDC
Supply current	< 12mA
Consumption	< 250mW
Current range	0.5A...22A
Control way	8-fold
Rated Voltage	110~440V AC(50/60Hz)
Rated Current	16 Amax
Leakage Loss Per Load	1.5W

Capacitive Load	16A/250V AC 140uf
Minimum cut-off	0.1A/12..24V AC
DC cut-off resistanceload	22A/220V AC
Operation	-5℃...+45℃（3K5 series）
Safety voltage SELV	24V DC
Size	90mm X 144mm X 63mm
Weight	600g
Installation On	35mm mounting rail（EN60715 EN50022）

The following functions can be set by single way:

——Time control function: ON/OFF with adjustable latency time
——Warning function and time adjustable function for stairway illumination
——Scene and pre-set control: 8 or 1
——Logic operation: and/or/xor/gate function
——State value checking and response
——manually force operation and safetly function
——current valve function setting
——relay switch location selection after disconnect and recovery of bus voltage
------real-time monitor of load current and overload proection alarm and cut off function

KNX -130

KNX Power Supply

Presentation

EIB/KNX power supply produces and monitors EIB / KNX system voltage. The bus line is decoupled from the power supply with the integrated choke. The power supply is connected to the bus line with a bus connection terminal. A reset is triggered by pressing the reset push button and lasts 22 seconds (regardless of the duration of the push button action).The bus line disconnected from the power supply and the devices connected to this bus line are returned to their initial state. If the line should be disconnected for a longer period, the bus connection terminal must be removed from power supply.
A 30V DC auxiliary voltage is made available via an additional connection terminal. This voltage can be used to supply a further bus line (in connection with a separate choke).

Parameter

Operating voltage	195V ~255 Vac，47~63Hz
Power loss	<3 W
Efficiency	75%
EIB/KNX output (PSU)	1 line with integrated choke
EIB/KNX nominal voltage	30 V DC +1/–2 V

SELV Auxiliary voltage output	1 (without choke)
Auxiliary voltage	30 V DC +1/–1 V, SELV
EIB/KNX nominal current	640 mA, short-circuitproof
Dimension(H×W×D)	90×144×63mm
Weight	400g

KNX-EUM0203

KNX Dimming Actuator

Presentation

Dimming actuator, the modular equipment are designed according to Prom design requirements, is convenient to install on 35mm U-shaped rails of the distribution box. Optional for 1way, 2 ways and 3 ways, using KNX bus terminals to connect the network system, no additional power supply required therefore can control the AC load.
This dimming actuator adopts advanced cold MOS power tube and controls load power by lagging corner cut, it has the characteristics of little battery pollution, high efficiency and low load temperature, which is suit for independent electrical AC resistive and capacitive load. Self-adaptive to 50/60 Hz grid frequency, the maximum load currency of every control circuit is 3A/6A. Every output of dimming actuator can be switched and adjusted manually, and all the channels are with the function of short-circuit protection, over-load detection, temperature detection and overheating alarm. Connect the actuator to load by screw terminals,and every output can be controlled independently.The channels and load in a module can achieve dilatation, and can be configurable with soft start function.

Parameter

KNX-Bus feed	21-31VDC
Supply current	< 12mA
Consumption	<500mW
Current range	0.5A...12A
Control channel	3channel
Rated operational voltage	85~265V AC(50/60Hz)
Rated operational current	12 Amax（110v AC）

Power loss of every input	2W
Resistive load	6A\230VAC
Capacitive load	5A/250V AC 140uf
Breaking current drain	50mA/MAX
Cold boot peak point current	20A/220V AC、200ms
Bulk	8TE
Weight	600g
Installation	35mm U-Shape rail（EN60715 EN50022）

The following functions can be set by single way：

——Dimming function: dimming, relative dimming, absolute dimming
——Time function: switch-on delay, switch-off delay, on-off
——Dimming speed: set the dimming time from 0% to 100%
——Start behavior: set illumination value, switch on and switch off speed
——Current detection: check whether current exceed limitation
——Temperature detection: check whether temperature exceed limitation
——Area limitation: set dimming area
——Scene function: up to 8 scene set

KNX-EUIO-06

KNX Universal Interface

Presentation

KNX Universal Interface via KNX bus with other devices are installed into Electrical equipment for building control systems. KNX universal interface can put in 86 box or 80 box. Configuration is output/input . It is control corresponding operation.

Parameter

KNX-BUS power supply	DC 21V~31V
Supply current	< 12mA
Consumption	<360mW
Channel numbers	6 channel
Input voltage/current	DC 20V/0.5mA

output voltage/current	DC 3.3V/maximum 2mA
Operation temperature	-5℃…+45℃
Size	48mm*41.5mm*19 mm
Weight About	17g
Installation Inset	86 box or 80 box

Channels grouped function

——Dimming : The short keystroke performs the switching object “Dimming on/off”, The long keystroke performs the dimming object “Dimming” . Switches on/off at a falling/rising edge.
——Shutters:The short keystroke (Stop/Blinds Adjustment), The long keystroke(Shutter Down/up).
——Switch :edge control.

Channel unique function

——Switch:edge control, short/long keystroke control,edge reversal.
——Scene:Saving function,select different scene.
——One Button Dimming: The long keystroke addresses the communication object “Dimming on/off”.
——One Button Shutter: The long keystroke performs up- and down- movement of the shutter. The short keystroke performs adjust the blinds and stops a running movement of the shutter.
——Counter: Count rising, Count falling, Count rising and falling.

The upper two models are support blocking object, object and/or logical operation ,as well as behavior of power up/ behavior of power down on the device.
LED output control.

KNX -P02

KNX Touch Panel

Presentation

touch panel controller is optional for one-button (gesture recognition)、2-button、4-button、6-button 、8-button and other special type, using KNX bus terminals to connect the networksystem,no additional power supply required,therefore can control the various KNX actuators equipment.
This panel controller was used as artificial control interface for indoor electrical equipment. Every button controls the function corresponding to the goal node, every way is with equipment on/off status indication.

Parameter

KNX-Bus feed	DC 21V…31V
Supply current	< 15mA
Power consumption	< 0.5W
Channel	4 fold /6-fold /8-fold
Rated current	12mA
Overvoltage	EN60664-1 III

KNX safety voltage SELV	24V DC
Operation	-5℃…+45℃
Size(mm)L*W*H	80*80*10
Weight	30kg
Installation	80/86

Touch panel can work as two modes below.

Channel grouped function

——Dimming:edge switch, short/long keystroke dimming.
——Shutters: The short keystroke (Stop/Blinds Adjustment), The long keystroke(Shutter Down/up)
——Switch:edge control

Channel unique function

——Switch： edge control, short/long keystroke control,edge reversal.
——Scene:Saving function,select different scene
——One Button Dimming: The long keystroke addresses the communication object

“Dimming on/off”.

——One Button Shutter: The long keystroke performs up- and down- movement of the shutter. The short keystroke performs adjust the blinds and stops a running movement of the shutter.
The upper two models are support blocking object, object and/or logical operation ,as well as behavior of power up/ behavior of power down on the device.