



GreenControls



WHO ARE WE ?

Malaysian In Origin, Global In Effect

Automated Intelligence (A.I.) took a big leap forward in Asia when GreenControls Technology Sdn Bhd was established in 2017 by a Malaysian entrepreneur with over two decades of intelligent automation industry experience.

“Today, headquartered in Kuala Lumpur GreenControls has anchored a significant presence throughout ASEAN (Vietnam, Indonesia, Thailand, Singapore, Cambodia, the Philippines, Myanmar), the Middle East (Saudi Arabia) and Africa (Cameroon).



Myanmar

Vietnam

Philippines

Thailand

Cambodia

Penang

Malaysia

Johor

Singapore

Sarawak

Sabah

Indonesia



MISSION STATEMENT

Greencontrols, as part of The Seikou Group, is an eco environmental solution provider in building & home automation. We are committed to transform young technicians into technologists in our pursuit to realize an energy efficient nation, and eventually, the world.

VISION STATEMENT

- i. Providing an open-platform automation system to customers.
- ii. Educating the community on importance of intelligent automation.
- iii. Receiving validation from the engineering community.

Our Community Added Value For The Planet

In line with the United Nations Global Goals Support For Sustainable Development - Be Safe. Be Smart. Be Kind.

These goals have the power to create a better world by 2030. Guided by these goals, we at **GreenControls** strive towards working together in building a better future for everyone.



NO POVERTY

Eradicate extreme poverty

Eradicating poverty is not a task of charity, it is an act of justice. Together, we can feed the hungry, wipe out disease and give everyone a chance to prosper and live a better life.

Reduce poverty by 50%

Reducing poverty to at least half - regardless race, religion, gender & age towards building a better community.



QUALITY EDUCATION

Equal Access To Affordable Technical, Vocational And Higher Education

To ensure equal access for all women & men for affordable & quality technical, vocational and tertiary education, including university.

Increase the number of people with relevant skills for financial success.



SUSTAINABLE ENERGY

Increase Global Percentage Of Renewable Energy

Increase substantially the share of renewable energy in the global energy mix.

Double The Improvement In Energy Efficiency

To work towards doubling up the global rate of improvement in energy efficiency



WHAT WE DO ?

Smart Solutions Via KNX Intelligence

Since 1999, the world has switched on to a smart automation standard called KNX. This global KNX protocol now serves as the backbone of what we do.

We are certified by the KNX Association of Belgium as a professional and specialist KNX intelligent systems integrator and installer as well a manufacturer of products that conform to KNX global standards. In essence, GreenControls is your one-source gateway to connect to the Automation Intelligence of KNX.

HOW YOU CAN BENEFIT FROM US ?

Integrating Beyond Aesthetics And Practicality

Our experience over the years can be seen in a portfolio of over 50 projects spanning across public and living spaces in the residential, commercial and hospitality sectors.

Behind these showcases is our expertise as a trusted KNX member that assures you of seamless integration from concept planning right through to system management, as well as easy interface with other system protocols.

Make your smart choice. Take a look at how your project can benefit from our delivery.

VE Hotel, Bangsar South, KL

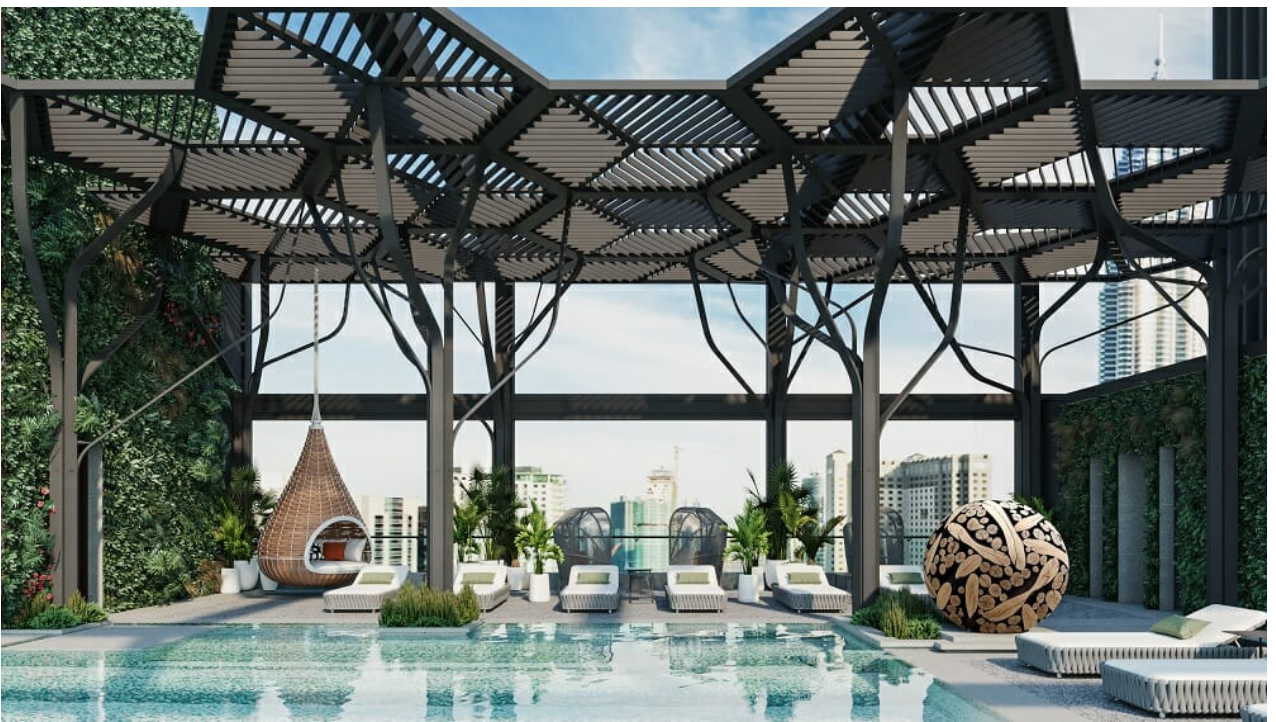


KL EcoCity Mercu-3, KL



KL EcoCity Boutique Offices, KL

T in Palm, Singapore



Indigo Hotel, Kuala Lumpur

Menara Ilham, KL (CEO office)



BHP Billiton Office, KL



Putrajaya Parcel Z, Putrajaya



Genting Club@Resorts World, Pahang

IKEA Batu Kawan, Penang

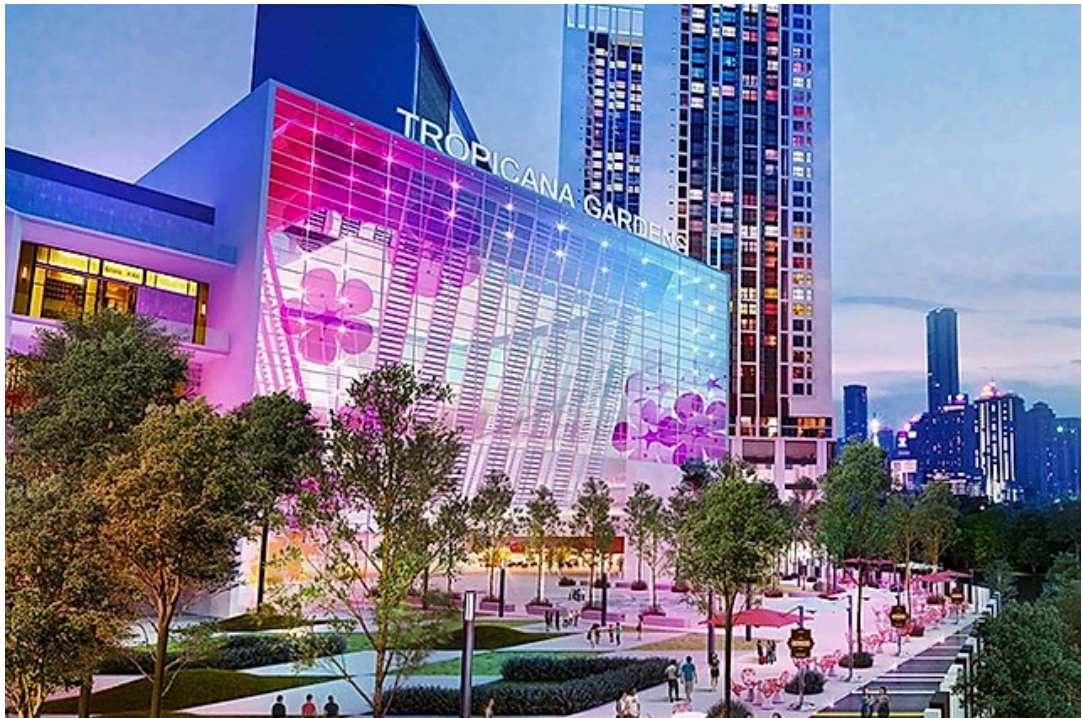


The Exchange 106, KL (Mulia Office)



D.U.N Kuching, Sawarak

Tropicana Gardens Mall, Selangor



YTL Headquarters, KL (CEO Office)



Banyan Tree Suites, KL



Imperial Lexis Hotel, KL



Affin Bank Tower, TRX, KL



HSBC Tower TRX, KL



Indonesian State College of Accountancy (STAN), Indonesia



Mega Mendung Project, Indonesia

Bababeach Club Hua Hin, Thailand



Bababeach Club Natai (Phuket), Thailand

Greencontrols Value Proposition

The main focus are value added & solutions proposition, we associate our Automation product range with world-class brands in Gateway & Interfaces on a Visualisation Software Platform.

These 3 key inter related solutions works as the perfect combination in making our product & services superior in the market.



KNX Products



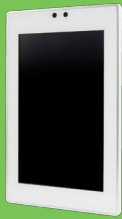
Dimming Actuator



Switching Actuator



Designer Switch Panels



Touch Screens

Automation Products

Smart A.I Solutions

PC and Webservice visualization clients



Visualization Software Platform

Protocol Gateway



Gateway and Interfaces

AC interfaces



Hotel Property Management Systems





Hospitality

Hotel Guestroom

- i. Increase comfort and user experience of your hotel guestroom
- ii. Optimize energy efficiency of your hotel guestroom
- iii. Integration of your hotel room to your Property Management System (PMS) and our Guestroom Management System (GRMS)

Ballroom and Function Rooms

- i. Seamless Dimming and controls of your LED lighting and AV systems on our sleek and elegant Glass Touch Screens
- ii. Intelligent system able to control your ballroom as a single hall or partitioned hall.

A blurred background image of a corporate office. A woman in a white blouse and a man in a light blue shirt and tie are standing together, looking at a tablet held by the woman. They are in front of a large window with a grid pattern. The image is overlaid with a semi-transparent white box containing text and a large green diagonal graphic element.

Corporate

Green Buildings

- i. Integration of Motion sensors, Daylight sensors, Lighting and HVAC controls together as a green solution that is able to optimize energy consumption and improve your staff's comfort, thus increasing productivity
- ii. Open System, able to integrate back to Building Management System (BMS) platform, for analytics and command center control.





Residential

Smart Homes

- i. Control of appliances, lighting, ACs and other devices remotely using a smartphone or tablet
- ii. Next level integration with voice assistants such as Alexa, Google Home and Siri for further enhancement of user experience.





After Sales Professional Support

Not only the KNX protocol will future proof your project, our team of specialists will be at hand to assure it.

Whether it is about integrating lighting designs, energy management, HVAC or cooling solutions, timely support, including technical training, are incorporated to optimise your building efficiency at all times.


Give your project a smart start with the
A.I. of GreenControls.

GreenControls Technology Indonesia.

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For more info:
www.greencontrolstech.co.id

 [greencontrols.id](https://www.instagram.com/greencontrols.id)







GreenControls

PRODUCT CATALOGUE

2023

GreenControls

KNX/EIB Standard

Stable & Good Quality

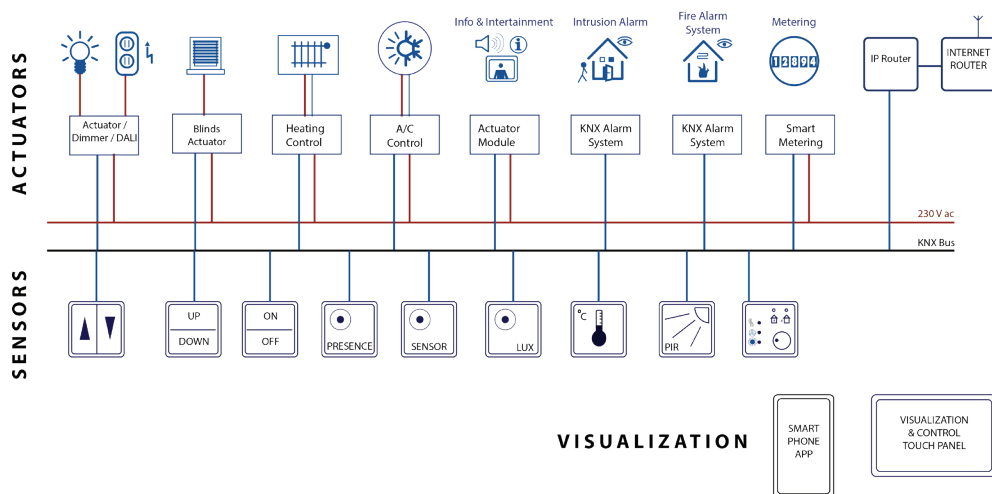
Simplicity



KNX Intelligent Solution

In conventional electrical installations, the control functions are mostly carried over the load cables. This means each function needs its own control cable. The intelligent solution is achieved by the installation bus which carries all the control signals in a building, thus making subsequent changes easy to implement.

KNX is the world's truly open Standard for intelligent bus system used in Home and Building controls. KNX provides users with Flexibility, Safety, Security and Comfort, all while maintaining cost efficiency.



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THE COMPANY

GREENCONTROLS is an eco environmental solution provider in building & home automation. We are committed to transform young technicians into technologists in our pursuit to realize an energy efficient nation, and eventually, the world.

VISION STATEMENT

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- iii. Receiving validation from the engineering community.

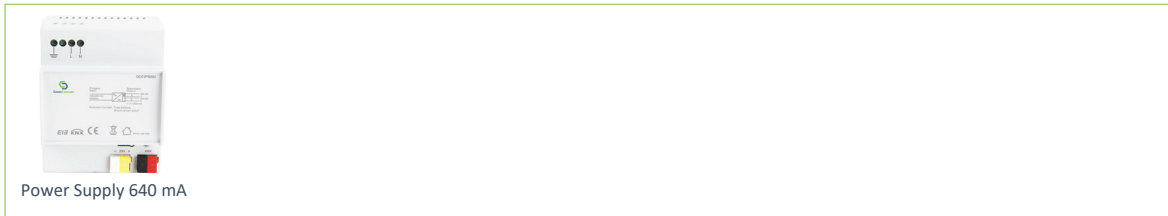
HEADQUARTERS

GREENCONTROLS is headquartered in Kuala Lumpur, Malaysia under the company name Greencontrols Technology Sdn. Bhd. We are also present globally across the ASEAN region (Vietnam, Indonesia, Thailand, Singapore, Cambodia and Myanmar), the MIDDLE EAST region (Saudi Arabia) and AFRICA (Mauritius, Cameroon).

GreenControls

KNX PRODUCT - Overview

POWER SUPPLY



SWITCH ACTUATORS



SWITCH ACTUATORS with CURRENT DETECTION



DIMMER ACTUATORS

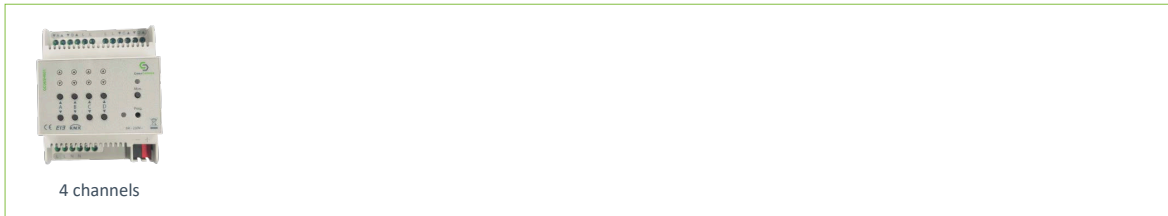


DIMMER ACTUATORS



GreenControls KNX PRODUCT - Overview

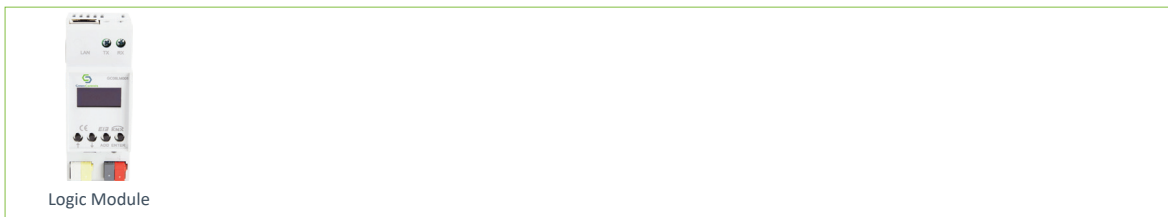
SHUTTER ACTUATORS



INTEGRATION



LOGIC & TIMER CONTROLLER



ROOM CONTROL UNIT



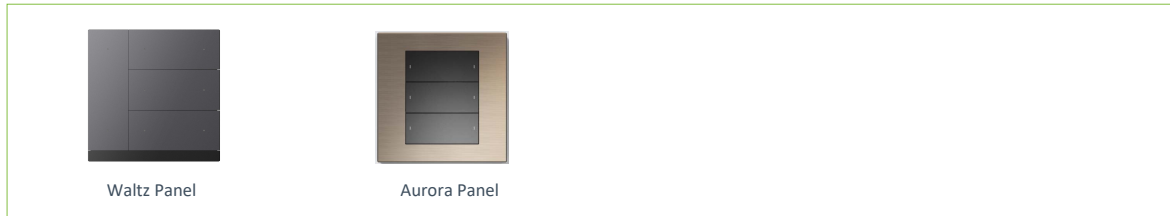
KNX PUSH BUTTONS



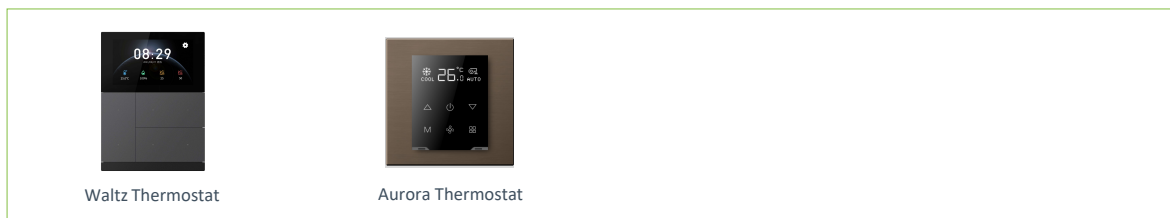
GreenControls

KNX PRODUCT - Overview

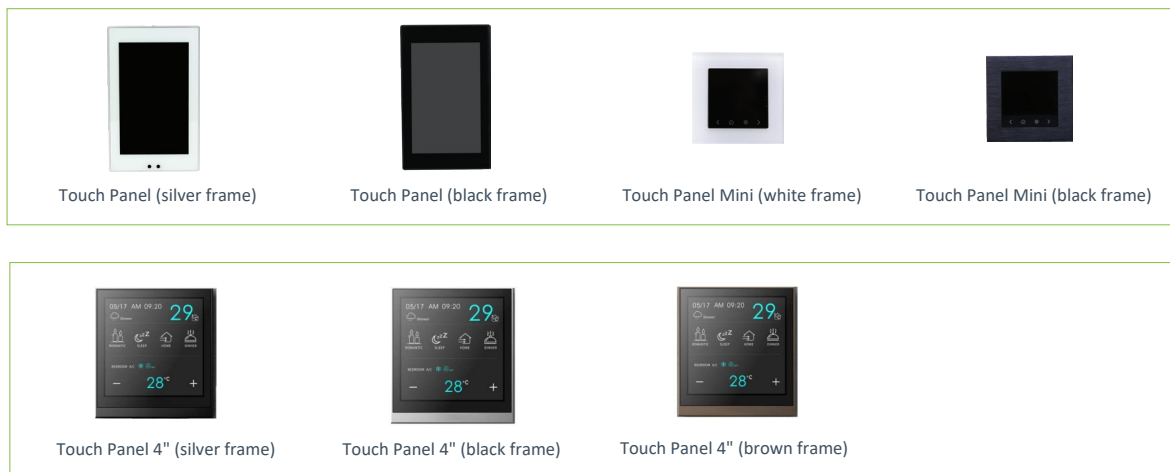
PREMIUM KNX PUSH BUTTONS



PREMIUM KNX THERMOSTATS



TOUCH PANELS



TRAINING STATION



GreenControls POWER SUPPLY



Power Supply, 640 mA

GC01PS002

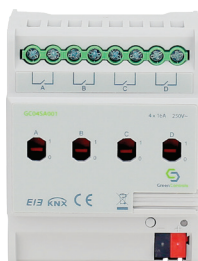
GreenControls KNX Power Supply Unit generates and monitors KNX system voltage. It also comes with an additional 30V DC Auxiliary voltage terminal.

Technical data

Operating Voltage	199 - 255 VAC \pm 10%
KNX Output	30V DC \pm 2V, with integrated choke
Auxiliary Output	30V DC \pm 1V, without integrated choke
Certification	KNX, CE
Installation	DIN Rail type

GreenControls

SWITCH ACTUATORS



Switch Actuator - 4 Channels

GC04SA001

Switch actuators are designed for installation in a distribution board and suitable for switching resistive loads and 4 independent electric loads via floating contacts. The output actuator is built-in with a mechanical bypass button which can be switched ON/OFF manually. Each output actuator is parameterized via ETS with connection to KNX using a bus connection terminal.

Technical data

AC Voltage	250/440 VAC (50/60 Hz)
Output Switching Current	16 A
Operating Voltage	21 ~ 30 VDC
Channels	4
Standard	KNX/EIB, CE
Installation	DIN Rail type

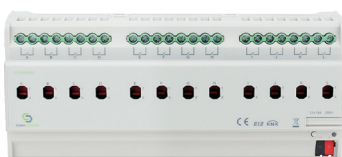


Switch Actuator - 8 Channels

GC04SA002

Technical data

AC Voltage	250/440 VAC (50/60 Hz)
Output Switching Current	16 A
Operating Voltage	21 ~ 30 VDC
Channels	8
Standard	KNX/EIB, CE
Installation	DIN Rail type



Switch Actuator - 12 Channels

GC04SA003

Technical data

AC Voltage	250/440 VAC (50/60 Hz)
Output Switching Current	16 A
Operating Voltage	21 ~ 30 VDC
Channels	12
Standard	KNX/EIB, CE
Installation	DIN Rail type

GreenControls

SWITCHING ACTUATORS

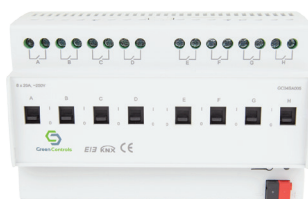


Switching Actuator - 4 Channels, 20A with Current Detection GC04SA004

Greencontrols Current Detection Switching Actuator Series is designed for switching resistive loads and 4/8/12 independent electric loads via floating contacts. Each channel has a mechanical bypass button for manual operation. The Current Detection series comes with the feature of reading and displaying current reading of each channel.

Technical data

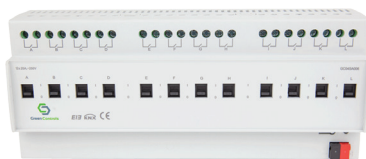
AC Voltage	250/440 VAC (50/60 Hz)
Output Switching Current	16 A
Operating Voltage	21 ~ 30 VDC
Standard	KNX, CE
Installation	DIN Rail type



Switching Actuator - 8 Channels, 20A with Current Detection GC04SA005

Technical data

AC voltage	250/440 VAC (50/60 Hz)
Output Switching Current	16 A
Operating Voltage	21 ~ 30 VDC
Standard	KNX, CE
Installation	DIN Rail type



Switching Actuator - 12 Channels, 20A with Current Detection GC04SA006

Technical data

AC Voltage	250/440 VAC (50/60 Hz)
Output Switching Current	16 A
Operating Voltage	21 ~ 30 VDC
Standard	KNX, CE
Installation	DIN Rail type

GreenControls

DIMMER ACTUATORS



KNX - DALI Gateway, 1 channel GC05DG011

Greencontrols DALI Gateway is used to control DALI dimming loads. This gateway supports up to 64 devices addresses, 14 groups and 14 scenarios.

Technical data

Operating Voltage	21 - 30 VDC via KNX
Current Consumption	<10mA
Channels	1 Channel, up to 64 DALI drivers
Control Functions	16 Groups, 14 Scenes, 1 Central Control
No. of Contacts	1xEIB Bus, 1x24VDC Power Terminal
Certification	KNX, CE
Installation	DIN Rail type



Dimmer Actuator 1-10V, 4 Channels GC05DA005

Greencontrols 1-10V Dimming Actuator is designed for control of dimmable electronic drivers with 1-10V interface. It comes with 4 channel of output floating switching contact 6A each.

Technical data

Operating Voltage	21 - 30 VDC via KNX
Control Current	100mA / Channel
Switch Current	6A / Channel
Number of Channels	4
Certification	KNX, CE
Installation	DIN Rail type



Dimmer Actuator 500W, Leading, 4 Channels GC05DA006

This model is a Leading-Edge Dimmer, designed for control of high-powered dimming of different loads type (incandescent lamps, halogen or LED) up to 500W.

Technical data

Operating Voltage	21 - 30 VDC via KNX
Current Consumption	<10mA
Dimming Type	SCR based leading edge
Dimming Output	500W/channel
Certification	KNX, CE
Installation	DIN Rail type

GreenControls

DIMMER ACTUATORS



Dimmer Actuator 2000W, Leading, 1 Channel GC05DA007

This model is a Leading-Edge Dimmer, designed for control of high-powered dimming of different loads type (incandescent lamps, halogen or LED) up to 2000W.

Technical data

Operating Voltage	21 - 30 VDC via KNX
Current Consumption	<10mA
Dimming Type	SCR based leading edge
Dimming Output	2000W/channel
Certification	KNX, CE
Installation	DIN Rail type



Dimmer Actuator 1200W, Leading, 2 Channels GC05DA008

This model is a Leading-Edge Dimmer, designed for control of high-powered dimming of different loads type (incandescent lamps, halogen or LED) up to 1300W.

Technical data

Operating Voltage	21 - 30 VDC via KNX
Current Consumption	<10mA
Dimming Type	SCR based leading edge
Dimming Output	1300W/channel
Certification	KNX, CE
Installation	DIN Rail type



Dimmer Actuator - 400W, Trailing, 2 Channels GC05DA009

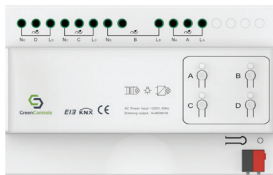
This model is a Trailing-Edge Dimmer, designed for control of high-powered dimming of different loads type (incandescent lamps, halogen or LED) up to 400W.

Technical data

Operating Voltage	21 - 30 VDC via KNX
Current Consumption	<10mA
Dimming Type	SCR based trailing edge
Dimming Output	400W/channel
Certification	KNX, CE
Installation	DIN Rail type

GreenControls

DIMMER ACTUATORS



Dimmer Actuator - 400W, Trailing, 4 Channels GC05DA010

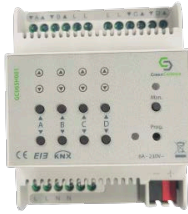
This model is a Trailing-Edge Dimmer, designed for control of high-powered dimming of different loads type (incandescent lamps, halogen or LED) up to 400W.

Technical data

Operating Voltage	21 - 30 VDC via KNX
Current Consumption	<10mA
Dimming Type	SCR based trailing edge
Dimming Output	400W/channel
Certification	KNX, CE
Installation	DIN Rail type

GreenControls

SHUTTER ACTUATOR



Shutter Actuator - 4 Channels

GC06SH001

Shutter actuator are design for installation in distribution board and suitable for controlling independent 230V AC drives, for positioning blinds, roller shutters, awnings or relevant shading products. The Shutter actuator output contact are designed mechanically interlocked in order both contacts will not operate at the same time. Shutter actuator is built-in with manual button which can be switch UP/DOWN or OPEN/CLOSE manually. Each output actuator are parameterized via ETS with connection to KNX using bus connection terminal.

Technical data

AC Voltage	230 VAC
Output Switching Current	6 A
Operating Voltage	30 VDC
Channels	4
Standard	KNX/EIB, CE
Installation	DIN Rail type



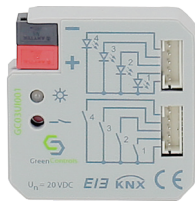
Line Coupler

GC01LC003

The Line Coupler is used to connect KNX main line and lines. Line Coupler has its own filter table to simultaneously reduce the telegram traffic.

Technical data

Operating Voltage	21 ~ 30 VDC
Operating Current	< 12 mA
Filter Table	yes
Repeater	yes
Standard	KNX/EIB, CE
Installation	DIN Rail type



Universal Interface

GC03UI001

Universal Interface is designed to interface conventional applications with the KNX system. It has 4 channels.

Technical data

Bus Voltage	21 ~ 30 VDC via KNX bus
Channels	4
Scanning Voltage	20 VDC
Input Current	5 mA
Safety	Short-circuit proof, overload protection, reverse voltage protection
Standard	EIB/KNX, CE



IR Emitter

GC01IRT002

IR Emitter is a 2 outputs KNX product for controlling IR Remote Control device as air-conditioner, TV, IR fan and more.

Technical data

Operating Voltage	21 ~ 30 VDC
Dynamic Current	< 20 mA
Power Consumption	< 240 mW
Outputs	2
Standard	KNX/EIB, CE
Installation	Free

GreenControls INTEGRATION



IR Learner GC01IRL005

The IR Learner can be used for learning control code of the IR Remote Controller, and storing the code to the database in the PC software. The learned control code can be stored, deleted or tested in the software.

Technical data

Connectivity	USB communication port
Receiver	IR detector



USB Interface (Din Rail type) GC01USB007

Greencontrols din-rail mounted USB Interface is used to connect the KNX system to a PC suite for configuration, programming and monitoring of the KNX system.

Technical data

Operating Voltage	21 ~ 30 VDC, via EIB bus
Interface	USB standard 2.0
Certification	KNX, CE
Installation	DIN Rail type



IP Router GC01IPR007

This device is a KNX to IP router. It can be used as line coupler or area coupler with a IP based backbone or main line, through KNX/IP Routing protocol. It also allows programming or monitoring a device from the IP network by using KNX/IP Tunneling protocol.

Technical data

Operating Voltage	21 - 30 VDC, via KNX
Current Consumption	20mA
IP Interface	RJ45
Certification	KNX, CE
Installation	DIN Rail type

GreenControls

LOGIC & TIMER CONTROLLER



Logic Module GC08LM001

The Logic Module has two primary functions; the first being to setup and input logic functions into the KNX system: and the second being to store scenes and schedules.

Technical data

Operating Voltage	21 ~ 30 VDC, via EIB bus
Current Consumption	<10mA
Output Port	LAN (TCP/IP)
No. of Contacts	1xEIB Bus, 1x24VDC Power Terminal
Certification	KNX, CE
Installation	DIN Rail type

GreenControls

ROOM CONTROL UNITS



Room Controller Premium 3.0 GC02RC001P3

Greencontrols Room Controller Premium 3.0 is a multipurpose, comprehensive KNX controller designed to control various different elements within a room. It is also pre-built with an IP interface to allow integration back to Hotel's Property Management System.

Technical data

Operating Voltage	21 ~ 30 VDC, via EIB bus
Current Consumption	Max 10mA for KNX, 500mA for 24VDC
No. of Inputs	20 Channels Dry Contact
No. of Outputs	-24 Channels 16A/240VAC, 16A/24VDC -16 Channels Dry Contact -12 Channels for 1-10V Dim -1 Channel RS485 port -1 Channel KNX port -1 Channel IP Gateway port
Certification	KNX/EIB, CE
Installation	DIN Rail type



Room Controller Extended 2.0 GC02RC001E2

Greencontrols Room Controller Extended 2.0 is a smaller, multipurpose, comprehensive KNX controller designed to control various different elements within a room. It is also pre-built with an IP interface to allow integration back to Hotel's Property Management System.

Technical data

Operating Voltage	21 ~ 30 VDC, via EIB bus
Current Consumption	Max 10mA for KNX, 500mA for 24VDC
No. of Inputs	16 Channels Dry Contact
No. of Outputs	-16 Channels 16A/240VAC, 16A/24VDC -8 Channels Dry Contact -4 Channels for 1-10V Dim -1 Channel RS485 port -1 Channel KNX port -1 Channel IP Gateway port
Certification	KNX, CE

GreenControls

KNX PUSH BUTTONS



Push Button 1- fold

GC10PB001WH

KNX Push Button 1 fold with labelling field and RGB LED

Technical data

Standard	EIB/KNX, CE
RGB LED Indicator	yes
Switching Function	yes
Dimming Function	yes
Shutter Function	yes
Scene Function	yes



Push Button 2- fold

GC10PB002WH

KNX Push Button 2 fold with labelling field and RGB LED

Technical data

Standard	EIB/KNX, CE
RGB LED Indicator	yes
Switching Function	yes
Dimming Function	yes
Shutter Function	yes
Scene Function	yes



Push Button 3- fold

GC10PB003WH

KNX Push Button 3 fold with labelling field and RGB LED

Technical data

Standard	EIB/KNX, CE
RGB LED Indicator	yes
Switching Function	yes
Dimming Function	yes
Shutter Function	yes
Scene Function	yes

GreenControls

KNX PUSH BUTTONS



Push Button 4- fold

GC10PB004WH

KNX Push Button 4 fold with labelling field and RGB LED

Technical data

Standard	EIB/KNX, CE
RGB LED Indicator	yes
Switching Function	yes
Dimming Function	yes
Shutter Function	yes
Scene Function	yes

GreenControls

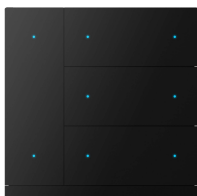
PREMIUM KNX PUSH BUTTONS



GC10PB004WLSL Silver



GC10PB004WLGR Grey



GC10PB003WLBK Black

Push Button Waltz Series

GC10PB002WL SL/GR/BK – 2-Fold

GC10PB003WL SL/GR/BK – 3-Fold

GC10PB004WL SL/GR/BK – 4-Fold

KNX multifunction designer series panel (compatible with European Insta Bus (EIB) System) used mainly in residential, hotels and commercial applications. The Panel is pre-built with proximity sensor and programmable LED backlight. Wordings are customizable on the button according to user preference.

Technical data

Operating Voltage	21 - 30 VDC via KNX. Require 24VDC as well.
Current Consumption	Max 10mA for KNX, 15mA/Gang for 24VDC
Functions	<ul style="list-style-type: none"> - 2-Fold up to 4 function buttons - 3-Fold up to 6 function buttons - 4-Fold up to 8 function buttons
Backlite Light	White color LEDs
Material	Aluminium
Frame	No
Color	Silver, Grey , Black
Sensor Type	Proximity Sensor (Distance Programmable)
Certification	KNX, CE

PREMIUM KNX PUSH BUTTONS



GC10PB003ARSL Silver



GC10PB003ARBR Brown



GC10PB003ARBK Black

Push Button AURORA Series

GC10PB003AR SL/BR/BK – 3-Fold

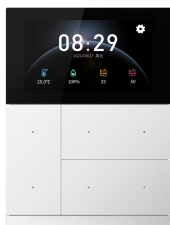
KNX multifunction designer series panel (compatible with European Insta Bus (EIB) System) used mainly in residential, hotels and commercial applications. The Panel is pre-built with proximity sensor and programmable LED backlight. Wordings are customizable on the button according to user preference.

Technical data

Operating Voltage	21 - 30 VDC via KNX. Require 24VDC as well.
Current Consumption	Max 10mA for KNX, 15mA/Gang for 24VDC
Functions	- 3-Fold up to 6 function buttons
Backlite Light	White color LEDs
Material	Aluminium
Frame	No
Color	Silver, Brown, Black
Sensor Type	Proximity Sensor (Distance Programmable)
Certification	KNX, CE

GreenControls

PREMIUM KNX PUSH BUTTONS



GC02RC003WLSL Silver

KNX Thermostat Waltz Series

GC02RC003WL SL/GR/BK

Greencontrols designer range Thermostat series, Waltz is designed to measure and maintain ambient temperature in 2 and 4 pipe FCU systems. The thermostat is fashioned with a sleek metallic surface, LED illuminated buttons and a LED digital display to give it the ultimate luxurious feel.

Technical data

Operating Voltage	21 - 30 VDC via KNX. Require 24VDC as well.
Control Elements	- On/Off Put Switch, Temperature Setting, Fan Speed Setting - 3-Fold up to 6 function buttons
Material	Aluminium
Frame	No
Color	Silver, Grey, Black
Sensor Type	Proximity Sensor (Distance Programmable)
Certification	KNX, CE



GC02RC003ARBR Brown

KNX Thermostat AURORA Series

GC02RC003AR SL/BR/BK

Aurora, Greencontrols designer range Thermostat series, comes with a sleek metallic design, LED illuminated buttons and a LED digital display with the function to measure and maintain ambient temperature. Also, the thermostat can be used to display the monitor of the air quality including Co2, PM2.5 and more.

Technical data

Operating Voltage	21 - 30 VDC via KNX. Require 24VDC as well.
Control Elements	On/Off Put Switch, Temperature Setting, Fan Speed Setting
Material	Aluminium
Frame	No
Color	Silver, Brown, Black
Sensor Type	Proximity Sensor (Distance Programmable)
Certification	KNX, CE

GreenControls

TOUCH PANELS



Touch Panel (silver frame)

GC09TP001SL

The Colour Touch Panel 5.0 inch is used to display status and control various devices in the EIB/KNX system. When touching some graphic button in the TFT operation system, the TFT will execute a predefined function, such as switch lighting, scene control or blinds/shutter control etc. The TFT can display frame via LCD and make warning tone compare with common button panel, and the users can operation the TFT system easily and clearly via interactive interface.

Technical data

Operating Voltage	21~30 VDC
Auxiliary Power Supply	20-30 VDC
Bus Current	< 12 mA
Bus Power Consumption	< 360 mW
Standard	EIB/KNX, CE
Frame Color	silver



Touch Panel (black frame)

GC09TP001BK

Technical data

Operating Voltage	21~30 VDC
Auxiliary Power Supply	20-30 VDC
Bus Current	< 12 mA
Bus Power Consumption	< 360 mW
Standard	EIB/KNX, CE
Frame Color	black

GreenControls

TOUCH PANELS



Touch Panel Mini (white frame)

GC09TP002WH

Sleek and Elegant 2.6-inch Touch Screen Panel designed to provide a luxurious user experience of the KNX system. The features of the Touch Screen are as follow:

- > Switching, scenes, dimming, curtains control, scene control and other control functions
- > Customizable icons and wording displays
- > Built in Temperature/Humidity Sensor
- > Built in Proximity Sensor
- > Thermostat
- > Time and date display

Technical data

Operating Voltage	21~30 VDC
Auxiliary Power Supply	20-30 VDC
Bus Current	< 12 mA
Total Pages	8 pages
Total Icons	6 icons/page
Standard	EIB/KNX, CE
Frame Color	White (Glass)



Touch Panel Mini (black frame)

GC09TP002BK

Technical data

Operating Voltage	21~30 VDC
Auxiliary Power Supply	20-30 VDC
Bus Current	< 12 mA
Total Pages	8 pages
Total Icons	6 icons/page
Standard	EIB/KNX, CE
Frame Color	Black (Aluminium)

GreenControls TOUCH PANELS



Touch Panel 4" (silver frame)

GC09TP004SL

Modern 4-inch Touch Screen Panel designed to provide a luxurious user experience of the KNX system. The features of the Touch Screen are as follow:

- > Switching, scenes, dimming, curtains control, scene control and other control functions
- > Customizable icons and wording displays
- > Built in Temperature/Humidity Sensor
- > Built in Proximity Sensor
- > Thermostat
- > Time and date display

Technical data

Operating Voltage	21~30 VDC
Auxiliary Power Supply	20-30 VDC
Bus Current	< 12 mA
Total Pages	10 pages
Total Icons	6 icons/page
Standard	EIB/KNX, CE
Frame Color	Silver



Touch Panel 4" (black frame)

GC09TP004BK

Technical data

Operating Voltage	21~30 VDC
Auxiliary Power Supply	20-30 VDC
Bus Current	< 12 mA
Total Pages	10 pages
Total Icons	6 icons/page
Standard	EIB/KNX, CE
Frame Color	Black



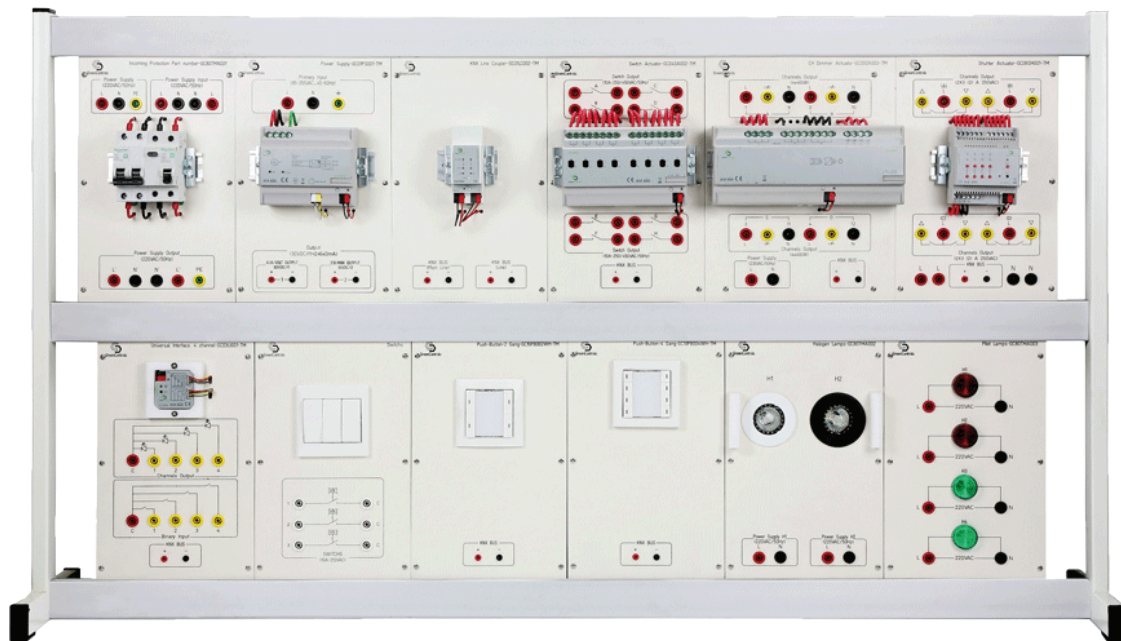
Touch Panel 4" (brown frame)

GC09TP004BR

Technical data

Operating Voltage	21~30 VDC
Auxiliary Power Supply	20-30 VDC
Bus Current	< 12 mA
Total Pages	10 pages
Total Icons	6 icons/page
Standard	EIB/KNX, CE
Frame Color	Brown

GreenControls TRAINING STATION



The Greencontrols Training Kit is designed in a form of experimental panel made of phenolic. It is 297 mm high (DIN A4) and about 5 mm thickness and to be attached at the student workbench. The devices and components are mounted in front of the panel constructed with aluminums DIN rail for DIN rail mounted devices. The transfer of the bus signals is implemented by twisted pair cable which is terminated with female 2 mm connectors. All terminals for the mains voltage are wired to 4 mm safety lab sockets. Power supply: 230 V - single phase.

Modules are customizable according to training objectives. The basic training kit comes in the following:

KNX COMPONENTS			
ITEM	BRAND	PART NO	QUANTITY
Power Supply, 640mA	Greencontrols	GC01PS002 TM	2
Line Coupler	Greencontrols	GC01LC002 TM	1
USB Interface (Din Rail)	Greencontrols	GC01USB006 TM	1
4ch switch actuator	Greencontrols	GC04SA001 TM	1
4ch shutter actuator	Greencontrols	GC06SH001 TM	1
2ch dimming actuator	Greencontrols	GC05DA009 TM	1
4ch Universal Input	Greencontrols	GC03UI001 TM	1
4Fold Push Button	Greencontrols	GC10PB004 TM	1
2Fold Push Button	Greencontrols	GC10PB002 TM	1
LOAD AND CONVENTIONAL DEVICE			
Motorized venetian blind	Greencontrols	GC14ACC005 TM	1
Switching 4x pilot lamp	Greencontrols	GC14ACC002 TM	1
Dimmable Lamp	Greencontrols	GC14ACC001 TM	1
3 gang Conventional Switch	Greencontrols	GC14ACC009 TM	1
Protection Modules (ELCB/MCB)	Greencontrols	GC14ACC004 TM	1
Safety Connection plug 4mm	Greencontrols	GC14ACC007 TM	1
Safety Connection plug 2mm	Greencontrols	GC14ACC006 TM	1
3-layer aluminum frame* & ETS Lite License Frame are provided			

An advanced training kit can include DALI, Weather Station, Security Panel, Fan Coil Unit, Visualization etc.

The Training Kit is fully compliant to the KNX Association standard.



GreenControls

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