



**GreenControls**

*Subsidiary of Seikou Group of Companies*

# CORPORATE CATALOGUE



 [greencontrolstech.com](http://greencontrolstech.com)

# INTRODUCTION

## ABOUT US

Founded in 2017, GreenControls Technology Malaysia is a leading provider of intelligent building and home automation solutions dedicated to shaping a smarter, greener future. As part of the Seikou Group of Companies, we deliver eco-environmental solutions that transform spaces into energy-efficient, intelligent environments — aligned with global sustainability standards.

Our core technology is built on KNX, the world's leading open standard for smart building control. Through our own line of KNX-certified GreenControls products — including actuators, sensors, gateways, and user interfaces — we deliver open-platform, future-ready automation systems trusted in residential, commercial, and industrial settings. Combining international standards with local innovation, we offer automation solutions that are scalable, reliable, and tailored for long-term performance. With an open-platform approach and a commitment to quality, our systems are built to be future-ready, reliable, and integrator-friendly.

As part of our pursuit of excellence, we are proud to be ISO 9001-certified, practicing internationally recognized standards in quality management to ensure consistent performance, innovation, and customer satisfaction.

We are equally passionate about talent development and industry advancement. Since our founding, we have been committed to transforming young technicians into technologists, empowering Malaysia's next generation of smart building professionals.

In support of this mission, GreenControls proudly contributes to WorldSkills as a sponsor of the Electrical Installation Competition, supplying KNX-based solutions and technical resources to inspire and upskill young talents on a global platform.

Beyond our systems, we actively educate communities on the importance of intelligent automation, advocating for smarter energy usage and climate-conscious design. Our contributions have earned recognition from the engineering community, positioning GreenControls as a trusted KNX expert and advocate for sustainable innovation.

At GreenControls, we don't just power automation — we power ambition, education, and a greener tomorrow.

## MISSION & VISION

### MISSION



We are deeply committed to transforming young technicians into future technologists, driving our mission toward creating an energy-efficient nation — and ultimately, a more sustainable world.

### VISION



- Delivering open-platform automation systems that offer flexibility and scalability to customers.

- Promoting awareness and education on the importance of intelligent automation within the community.

- Gaining validation and recognition from the engineering community for our contributions and solutions.



ISO 9001 CERT NO: 111160



ACB 017



# SUSTAINABILITY & CORPORATE RESPONSIBILITY

## NO 1 NO POVERTY

Community Empowerment: Focus on eco-environmental solutions can improve local communities by reducing energy costs, allowing more funds to be allocated toward other essential needs and fostering sustainability, which creates long-term economic benefits.

## NO 7 AFFORDABLE AND CLEAN ENERGY

Promoting Sustainable Energy: Seikou Systec's GreenControls Technology supports SDG 7 by providing affordable and reliable KNX hardware for residential and commercial buildings across Southeast Asia. Our solutions ensure energy conservation and sustainability, aligned with ESG principles and compliance.

## NO 11 SUSTAINABLE CITIES AND COMMUNITIES

Building Sustainable Cities: Through our KNX integration work, supports SDG 11 by creating inclusive, safe, resilient and sustainable urban environments. Our advanced automation solutions enhance the quality of life and promote sustainable human settlements.



## VISUALIZATION AND DISPLAY



### **A-IS03** **SMART HOME SERVER Z10 (NEW)**

The GreenControls Smart Server Z10 is a premium 10.1" KNX touch panel designed for smart automation and intercom integration. It features a 10.1" IPS touchscreen (1280×800 resolution), a sleek aluminium faceplate, and an ambient LED strip for a modern look. With a built-in temperature sensor, it ensures real-time environmental monitoring. The Z10 supports full KNX functions with list-view and map-view interfaces, 48V PoE, and IP camera connectivity. It offers 15 control pages, managing switching, dimming, shutters, RGB lighting, HVAC, AC, ventilation, floor heating, audio, energy metering, and air quality display. Advanced features include 16 timers, 8 group events, and 8 logic functions. Designed for wall-mounted installation, it fits 86×86mm and German double-60mm wall boxes, making it ideal for homes, offices, and high-end automation projects.



## VISUALIZATION AND DISPLAY



## TOUCH PANEL 5 INCH V50s (NEW)

Operating Voltage	21 - 30 VDC via KNX. Require 24VDC as well
Current Consumption	≤ 125mA
Connection	KNX Bus Terminal, KNX DC Terminal
Size (W x H x D)	86 x 148.8 x 11.5 mm
Operation Temperature	-5 °C ~ + 45 °C
Storage Temperature	-25 °C ~ + 55 °C
DC Power Consumption	<3W
Weight	0.3 KG



### Premium Colour Options:

● **Sleek Black**  
GC09TP006BK

○ **Elegant White**  
GC09TP006WH

The GreenControls V50s is a KNX-certified touch panel designed for seamless smart automation. Featuring a 5" IPS touchscreen (480×854 resolution) with a sleek aluminium faceplate, it supports both vertical and horizontal installation. Equipped with built-in temperature & proximity sensors, it ensures precise environmental monitoring. With 15 control pages, it manages switching, dimming, shutters, RGB/RGBW/RGBCW, color temperature control, HVAC, AC, floor heating, ventilation, audio, energy metering, and air quality display. Advanced automation features include 16 timers, 8 group events, 8 logic functions, and Human-Centric Lighting (HCL) support. Icon customization via SD card enables a personalized interface, while its wall-mounted design fits 86×86mm, German 60mm, Swiss, Australian, and US standard wall boxes. Ideal for homes, offices, and commercial spaces, the V50s delivers intelligent control with a modern, energy-efficient design.



## KNX SMART TOUCH PANEL V40s, 4 (NEW)

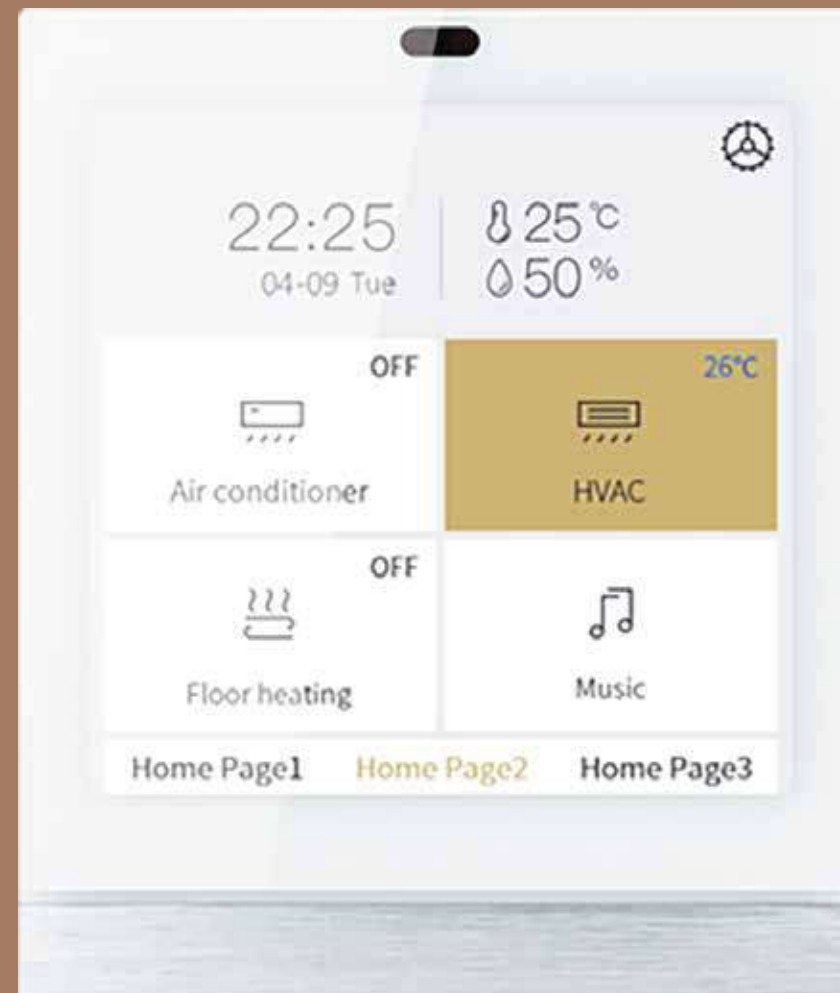
The GreenControls V40s is a KNX-certified touch panel designed for seamless smart building automation. Featuring a 4" IPS touchscreen (480×480 resolution), aluminium faceplate, and built-in temperature & proximity sensors, it combines style with functionality. With 9 customizable control pages, it manages lighting, dimming, RGB/RGBW/RGBCW, HVAC, AC, floor heating, ventilation, audio, energy metering, and air quality display. 16 timers, 8 group events, and 8 logic functions enable advanced automation, while icon customization via SD card ensures a personalized interface. Designed for easy wall mounting, it fits 86×86mm, German 60mm, Swiss, Australian, and US standard wall boxes. Ideal for homes, offices, and hotels, the V40s offers intuitive control, energy efficiency, and a future-ready automation experience.

### Premium Colour Options:

● **Sleek Black** GC09TP007BK

○ **Elegant White** GC09TP007WH

## VISUALIZATION AND DISPLAY



## VISUALIZATION AND DISPLAY



## TOUCH PANEL 4 INCH V40, LITE (NEW)



The GreenControls V40 Lite is a KNX-certified touch panel designed for simple and efficient smart automation. It features a 4" IPS touchscreen (480×480 resolution) with a sleek aluminium faceplate and built-in temperature & proximity sensors for enhanced functionality. Supporting 6 essential control pages, it manages switching, dimming, shutters, scenes, RGB lighting, HVAC, AC, floor heating, ventilation, audio control, energy metering, and air quality display. With 16 timers, 8 group events, and 8 logic functions, users can automate key functions effortlessly. Icon customization via SD card allows for a personalized experience, while its wall-mounted design fits 86×86mm, German 60mm, Swiss, Australian, and US standard wall boxes. The V40 Lite is an ideal entry-level solution for homes, offices, and small commercial spaces, delivering reliable, energy-efficient, and user-friendly automation.

### Premium Colour Options:

● **Sleek Black** GC09TP005BK

○ **Elegant White** GC09TP005WH

## VISUALIZATION AND DISPLAY



**TOUCH PANEL 5 INCH**

### **GC09TP001BK** **TOUCH PANEL 5 INCH, BLACK FRAME**

The GreenControls 5" KNX Touch Panel is a reliable and intuitive smart automation solution, designed for seamless KNX system integration. Featuring a 5" touchscreen display, it offers a clear and responsive interface for effortless control. With built-in temperature and proximity sensors, it ensures accurate environmental monitoring. The panel supports multiple control functions, including switching, dimming, shutters, scenes, RGB lighting, HVAC, AC, floor heating, ventilation, audio control, energy metering, and air quality display. Its automation capabilities include timers, logic functions, and event triggers, enabling customized smart scenarios. Designed for wall-mounted installation, it fits standard 86x86mm, German 60mm, Swiss, Australian, and US wall boxes. The GVS 5" touch panel is a dependable choice for homes, offices, and commercial spaces, offering a simple yet effective solution for modern KNX-based automation.

<b>Operating Voltage</b>	<b>21 - 30 VDC via KNX. Require 24VDC as well</b>
<b>Current Consumption</b>	<b>≤ 12mA</b>
<b>Power Consumption</b>	<b>≤ 360 mW</b>
<b>DC Power Consumption</b>	<b>&lt; 2W</b>

<b>Total Pages of Display</b>	<b>9 pages, Swipe left or right to switch page</b>
<b>Total Icon</b>	<b>9 icons per page, 81 icons in total</b>
<b>Installation</b>	<b>Wall Mounted</b>
<b>Size (W x H xD)</b>	<b>87 x 142 x 34 mm</b>

#### **Premium Colour Options:**

● **Sleek Black** GC09TP001BK

● **Silver** GC09TP001SL



## VISUALIZATION AND DISPLAY



### TOUCH PANEL 4 INCH

The GreenControls KNX Touch Panel 4 Inch with a black/silver/brown frame is a compact, user-friendly touchscreen interface for controlling smart home devices like lighting, heating, and blinds within a KNX system, providing an efficient and modern way to manage home automation.

#### Premium Colour Options:

- **Sleek Black** GC09TP004BK
- **Silver** GC09TP004SL
- **Brown** GC09TP004BR



## VISUALIZATION AND DISPLAY



### TOUCH PANEL MINI 2.6 INCH, ALUMINIUM

Operating Voltage	21 - 30 VDC via KNX. Require 24VDC as well
Current Consumption	≤ 21mA
Power Consumption	≤ 630 mW
DC Power Consumption	< 2W

Total Pages of Display	10 pages, Swipe left or right to switch page
Total Icon	Max 8 icons per page
Installation	Wall Mounted (European Wall Box)
Size (W x H xD)	55 x 55 x 38 mm

#### Premium Colour Options:

##### ● **Sleek Black** GC09TP002BK

The GreenControls KNX Touch Panel Mini 2.6 Inch with a **black frame** and aluminium design is a compact, sleek touchscreen interface for controlling smart home functions like lighting, heating, and blinds within a KNX system, offering efficient control in a small, stylish form.

##### ○ **White** GC09TP002WH

The GreenControls KNX Touch Panel Mini is a compact, 2.6-inch smart control panel with a sleek **white glass frame**. It offers intuitive control of lighting, temperature, and other KNX devices, making it a stylish and efficient solution for modern smart home management.



## PREMIUM KNX SWITCHES

### KNX WALTZ PUSH BUTTON, 2 FOLD

Operating Voltage	21 - 30 VDC via KNX.
Material	Aluminium
Functions	For 2-fold, up to 4 functional buttons
Size (W x H x D)	86mm x 86mm x 33mm

Weight	0.09 kg
Current Consumption	< 21mA. Auxiliary
Operation Temperature	-5 °C ~ + 45 °C
Storage Operation	-25 °C ~ + 55 °C

The GreenControls KNX Waltz Push Button is a sleek and intuitive control interface, available in 2, 3, and 4-fold designs. It integrates essential KNX functions, including switching, dimming, RGB/RGBW lighting, color temperature control, blinds, scenes, value sending, and shift register functions. Advanced features such as multiple operation modes, delay mode, RTC operation, and string sending enhance flexibility. A built-in temperature sensor ensures accurate ambient temperature detection, while the RGB indicator function provides clear visual feedback. Designed for seamless KNX integration, the Waltz Push Button offers a modern, user-friendly solution for residential, commercial, and smart automation projects.

#### Premium Colour Options:

- **Obsidian Black** CHPB-04/02.1.21
- **Starlight Silver** CHPB-04/02.1.22
- **Titanium Grey** CHPB-04/02.1.23
- **Royal Gold** CHPB-04/02.1.24



## PREMIUM KNX SWITCHES

### KNX WALTZ PUSH BUTTON, 3 FOLD

Operating Voltage	21 - 30 VDC via KNX.
Material	Aluminium
Functions	For 3-fold, up to 6 functional buttons
Size (W x H x D)	86mm x 86mm x 33mm

Weight	0.09 kg
Current Consumption	< 21mA. Auxiliary
Operation Temperature	-5 °C ~ + 45 °C
Storage Operation	-25 °C ~ + 55 °C

The GreenControls KNX Waltz Push Button is a sleek and intuitive control interface, available in 2, 3, and 4-fold designs. It integrates essential KNX functions, including switching, dimming, RGB/RGBW lighting, color temperature control, blinds, scenes, value sending, and shift register functions. Advanced features such as multiple operation modes, delay mode, RTC operation, and string sending enhance flexibility. A built-in temperature sensor ensures accurate ambient temperature detection, while the RGB indicator function provides clear visual feedback. Designed for seamless KNX integration, the Waltz Push Button offers a modern, user-friendly solution for residential, commercial, and smart automation projects.

#### Premium Colour Options:

- **Obsidian Black** *CHPB-06/02.1.21*
- **Starlight Silver** *CHPB-06/02.1.22*
- **Titanium Grey** *CHPB-06/02.1.23*
- **Royal Gold** *CHPB-06/02.1.24*





## PREMIUM KNX SWITCHES

### KNX WALTZ PUSH BUTTON, 4 FOLD

Operating Voltage	21 - 30 VDC via KNX.
Material	Aluminium
Functions	For 4-fold, up to 8 functional buttons
Size (W x H x D)	86mm x 86mm x 33mm

Weight	0.09 kg
Current Consumption	< 21mA. Auxiliary
Operation Temperature	-5 °C ~ + 45 °C
Storage Operation	-25 °C ~ + 55 °C

The GreenControls KNX Waltz Push Button is a sleek and intuitive control interface, available in 2, 3, and 4-fold designs. It integrates essential KNX functions, including switching, dimming, RGB/RGBW lighting, color temperature control, blinds, scenes, value sending, and shift register functions. Advanced features such as multiple operation modes, delay mode, RTC operation, and string sending enhance flexibility. A built-in temperature sensor ensures accurate ambient temperature detection, while the RGB indicator function provides clear visual feedback. Designed for seamless KNX integration, the Waltz Push Button offers a modern, user-friendly solution for residential, commercial, and smart automation projects.

#### Premium Colour Options:

- **Obsidian Black** CHPB-08/02.1.21
- **Starlight Silver** CHPB-08/02.1.22
- **Titanium Grey** CHPB-08/02.1.23
- **Royal Gold** CHPB-08/02.1.24

PREMIUM KNX SWITCHES

**KNX AURORA, 2 FOLD**

Operating Voltage	21 - 30 VDC via KNX. Require 24VDC as well
Current Consumption	Max 10mA for KNX, 15mA/Gang for 24VDC
Functions	For 2 fold, up to 4 functional buttons Functionality includes control of switching, dimming, curtain and scenes.
Backlite Light	White color LEDs

Sensor Type	Proximity Sensor (Distance Programmable)
Material	Aluminium
Colour	Black / Silver / Brown
Size (W x H x D)	91.6 mm x 91.6 mm x 33 mm

The GreenControls KNX Aurora Push Button is a sophisticated and user-friendly control panel, available in 2-fold and 3-fold designs, offering seamless integration with smart automation systems. Designed for effortless operation, it supports switching, dimming, scene control, blinds, and value sending, ensuring versatile functionality for residential and commercial spaces.

With a refined tactile response and premium finishes, it enhances modern interiors while providing durability and precision. Whether used for lighting, shading, or scene activation, the KNX Aurora Push Button delivers a convenient and elegant control experience.

Premium Colour Options:

- **Onyx Black** GC10PB002ARBK
- **Lunar Silver** GC10PB002ARSL
- **Espresso Bronze** GC10PB002ARBR

VISUALIZATION AND DISPLAY





# VISUALIZATION AND DISPLAY



## PREMIUM KNX SWITCHES

### KKNX AURORA, 3 FOLD

Operating Voltage	21 - 30 VDC via KNX. Require 24VDC as well
Current Consumption	Max 10mA for KNX, 15mA/Gang for 24VDC
Functions	For 3 fold, up to 6 functional buttons Functionality includes control of switching, dimming, curtain and scenes.
Backlite Light	White color LEDs

Sensor Type	Proximity Sensor (Distance Programmable)
Material	Aluminium
Colour	Black / Silver / Brown
Size (W x H x D)	91.6 mm x 91.6 mm x 33 mm

The GreenControls KNX Aurora Push Button is a sophisticated and user-friendly control panel, available in 2-fold and 3-fold designs, offering seamless integration with smart automation systems. Designed for effortless operation, it supports switching, dimming, scene control, blinds, and value sending, ensuring versatile functionality for residential and commercial spaces.

With a refined tactile response and premium finishes, it enhances modern interiors while providing durability and precision. Whether used for lighting, shading, or scene activation, the KNX Aurora Push Button delivers a convenient and elegant control experience.

#### Premium Colour Options:

- **Onyx Black** GC10PB003ARBK
- **Lunar Silver** GC10PB003ARSL
- **Espresso Bronze** GC10PB003ARBR

## KNX BASIC SWITCHES

The GreenControls KNX Basic Switch provides essential smart control, available in 1 to 4-fold options. Designed for seamless KNX integration, it supports switching, dimming, scene control, and blinds, making automation easy and efficient.

With a clean and functional design, it ensures reliable performance for both homes and commercial spaces. Simple yet effective, it offers a straightforward solution for everyday smart control.



### **GC10PB001WH**

1 FOLD PUSH BUTTON,  
WHITE, NO FRAME

**Operating Voltage:** 21 - 30 VDC via KNX.

**Features:** Scene control and self-programmable scene module.  
Programs stored in non-volatile memory (ROM)

**Dimmer Control:** 255 possible levels

**Mounting Centre:** 60.3 or 86 mm Wall Box Fit

**Operating Humidity:** 0 - 93% RH, non-condensing

**Model:** 1-Fold (2 gang)

**Size (W x H x D):** 55.4 x 55.4 x 18.7 mm

**KNX Connection:** Bus Terminal (Black/Red)



### **GC10PB003WH**

3 FOLD PUSH BUTTON,  
WHITE, NO FRAME

**Operating Voltage:** 21 - 30 VDC via KNX.

**Features:** Scene control and self-programmable scene module.  
Programs stored in non-volatile memory (ROM)

**Dimmer Control:** 255 possible levels

**Mounting Centre:** 60.3 or 86 mm Wall Box Fit

**Operating Humidity:** 0 - 93% RH, non-condensing

**Model:** 3-Fold (6 gang)

**Size (W x H x D):** 55.4 x 55.4 x 18.7 mm

**KNX Connection:** Bus Terminal (Black/Red)



### **GC10PB002WH**

2 FOLD PUSH BUTTON,  
WHITE, NO FRAME

**Operating Voltage:** 21 - 30 VDC via KNX.

**Features:** Scene control and self-programmable scene module.  
Programs stored in non-volatile memory (ROM)

**Dimmer Control:** 255 possible levels

**Mounting Centre:** 60.3 or 86 mm Wall Box Fit

**Operating Humidity:** 0 - 93% RH, non-condensing

**Model:** 2-Fold (4 gang)

**Size (W x H x D):** 55.4 x 55.4 x 18.7 mm

**KNX Connection:** Bus Terminal (Black/Red)



### **GC10PB004WH**

4 FOLD PUSH BUTTON,  
WHITE, NO FRAME

**Operating Voltage:** 21 - 30 VDC via KNX.

**Features:** Scene control and self-programmable scene module.  
Programs stored in non-volatile memory (ROM)

**Dimmer Control:** 255 possible levels

**Mounting Centre:** 60.3 or 86 mm Wall Box Fit

**Operating Humidity:** 0 - 93% RH, non-condensing

**Model:** 4-Fold (8 gang)

**Size (W x H x D):** 55.4 x 55.4 x 18.7 mm

**KNX Connection:** Bus Terminal (Black/Red)

## SMART THERMOSTAT

### KNX Waltz Touch+ Pad

The GreenControls KNX Waltz Touch+ Pad is a 3-gang smart panel combining touchscreen and push-button operation for a seamless user experience. It supports dimming, curtains, scenes, room temperature control, air conditioning, ventilation, audio, RGB/RGBW lighting, and color temperature adjustment. With built-in temperature and humidity sensors, it ensures real-time environmental monitoring for optimal comfort. The status display function provides instant feedback, enhancing control precision. Designed for luxury homes, offices, and smart automation projects, the Waltz Touch+ Pad blends modern aesthetics with intelligent functionality, offering a refined, user-friendly solution for everyday automation needs.

#### Premium Colour Options:

- **Obsidian Black** GC02RC003WLBK
- **Starlight Silver** GC02RC003WLSL
- **Titanium Grey** GC02RC003WLGR





## SMART THERMOSTAT

### **KNX Aurora Thermostat**

The GreenControls Aurora Thermostat is a sleek and intelligent climate control solution designed for modern homes and commercial spaces. Featuring a sophisticated touch interface, it provides precise temperature regulation for heating, cooling, and ventilation systems. With real-time temperature and humidity sensors, the Aurora ensures optimal comfort and energy efficiency. Its intuitive controls support manual adjustments, scheduling, and automation integration, making it adaptable to various environments. Designed for seamless installation and compatibility with smart home systems, the Tantron Aurora Thermostat blends elegance with advanced technology, offering a refined and efficient climate control experience.

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#### **Premium Colour Options:**

- **Onyx Black** GC02RC003ARBK
- **Lunar Silver** GC02RC003ARSL
- **Espresso Bronze** GC02RC003ARBR



# SYSTEM DEVICES



## GC01PS003

### POWER SUPPLY, 640mA

The GreenControls KNX Power Supply, 640mA provides reliable and stable power for KNX installations. It delivers up to 640mA to power connected KNX devices and the bus system while maintaining efficient energy usage. Compact and easy to integrate, it ensures consistent system performance and includes built-in protection against overload, short circuits, and overvoltage for enhanced safety and durability.

**Input Voltage:** 100 - 240V AC, 50 - 60Hz

**Efficiency:**  $\geq 80\%$

**KNX Nominal Voltage:** 1 line with integrated choke, 30 + 1V/-2V DC, SELV

**Auxiliary voltage:** 30  $\pm$  1V DC, SELV



## GC01LC003

### LINE COUPLER

The GreenControls KNX Line Coupler serves as a bridge between KNX lines, ensuring seamless communication and efficient data exchange across the KNX network. It isolates different lines to reduce electrical interference, enhances signal integrity, and supports scalable system expansion. Compact and reliable, it simplifies integration while maintaining stable and secure connections within the KNX system.

**Operating Voltage:** 21 ~ 30 DC via KNX bus voltage

**Connections:** EIB Primary Line (Left terminal) and EIB Secondary Line (Right Terminal)

**Operating Current:** < 10mA

**Filter Table:** yes



## GC01IRT002

### IR TRANSMITTER, 2 FOLD

The GreenControls KNX IR Transmitter, 2-Fold allows control of up to two infrared-enabled devices via the KNX system. It sends IR signals to compatible devices such as TVs, air conditioners, or audio systems, enabling seamless integration of non-KNX devices into the smart automation network. Compact and efficient, it supports programmable functions for flexible control and enhances the versatility of KNX installations.

**Operating Voltage:** 21 ~ 30 DC via KNX bus voltage

**Operating Current:** < 20mA

**Channel Output:** 4 Channels

**IR Wavelength:** 940nm

**Connections:** KNX Bus connecting terminal (black/red)



## GC01IRL005

### IR LEARNER

The GreenControls KNX IR Learner captures and stores infrared (IR) signals from remote controls, allowing seamless integration of non-KNX devices into the KNX system. Once programmed, it enables the KNX system to replicate and control these devices. Compact and intuitive, it simplifies automation setup by bridging IR-controlled devices with KNX networks.

**Operating Voltage:** 21 ~ 30 DC via KNX bus voltage

**Operating Current:** < 20mA

**Range of wave frequency:** 38KHz $\pm$ 20%

**IR Wavelength:** 940nm

**Connections:** USB Standard 2.0

# SYSTEM DEVICES



## GC01USB007

### USB INTERFACE (DIN RAIL MOUNTED)

The GreenControls KNX USB Interface (DIN Rail Mounted) enables communication between a KNX installation and a PC or programming device via USB. It facilitates system configuration, monitoring, and diagnostics, offering a stable and reliable connection. Designed for DIN rail mounting, it ensures easy integration into electrical panels and supports seamless interaction with ETS software for efficient KNX network management.

**Operating Voltage:** 21 ~ 30 DC via KNX bus voltage

**Operating Current:** < 10mA

**Output:** 1 USB Interface

**Interface:** USB 2.0

**PC Connection:** via USB socket type A to USB socket type B



## GC01IPR007

### IP ROUTER

The GreenControls KNX IP Router connects KNX installations to IP networks, enabling communication between KNX lines and remote access via Ethernet. It serves as both a line coupler and an interface, allowing system programming, monitoring, and integration with IP-based devices. With high performance and reliable data routing, it supports seamless KNX network expansion and enhanced functionality for smart automation systems.

**Operating Voltage:** 21 ~ 30 DC via KNX bus voltage

**Current Consumption:** Max 20mA @ KNX

**Power Consumption:** Max 600mW @ KNX

**IP Interface:** 1 x RJ45 port



# ROOM AUTOMATION

## GC02RC001P4

### ROOM CONTROLLER PREMIUM 3.0

The GreenControls KNX Room Controller Premium 3.0 is an advanced device designed to manage and control all aspects of a room's climate and lighting within a KNX system. It integrates temperature, humidity, lighting, and shading control into one compact interface. Featuring a sleek design and enhanced functionality, it allows precise control, energy efficiency, and user-friendly operation, making it ideal for modern smart building environments.

**Operating Voltage:** 21 ~ 30 DC via KNX bus voltage with auxiliary use black/red/white/ yellow connector  
**Input Voltage:** 230V AC (50/60Hz)  
**Current Consumption:** <12mA  
**Size (W x H x D):** 216 x 90 x 64 mm



## GC02RC001E2

### ROOM CONTROLLER EXTENDED 2.0

The GreenControls KNX Room Controller Extended 2.0 offers advanced control over temperature, lighting, blinds, and other room functions. It enhances automation flexibility, energy efficiency, and user comfort in smart building environments.

**Operating Voltage:** 21 ~ 30 DC via KNX bus voltage with auxiliary use black/red/white/ yellow connector  
**Input Voltage:** 230V AC (50/60 Hz)  
**Current Consumption:** Max 10mA for KNX, 500mA for 24VDC  
**Number of Input Contacts:** 20 Channel Dry Contact  
**Mounting:** 35mm mounting rail  
**Size:** 288 x 90 x 65 mm



# INPUT DEVICES

## GC03UI001

### UNIVERSAL INTERFACE, 4 CHANNEL

The KNX Universal Interface, 4-Channel connects conventional switches, sensors, or LEDs to a KNX system. It allows seamless integration of up to four inputs or outputs, enabling flexible and reliable control of lighting, blinds, or other devices within smart automation setups. Compact and easy to install, it enhances system versatility and functionality.

**Operating Voltage:** 21 ~ 30 DC via KNX bus voltage  
**Current Consumption:** < 12mA  
**Power Consumption:** Max 360m W  
**Number of Contacts:** 4  
**Size:** 46 x 46 x 11.7mm



# OUTPUT CONNECTION

## GC04SA001

### SWITCHING ACTUATOR, 4 CHANNEL, 16A

The KNX Switching Actuator, 4-Channel, 16A controls up to four independent electrical circuits, each handling loads up to 16A. It is ideal for managing lighting, appliances, or other high-power devices in a KNX system, offering reliable performance, energy efficiency, and easy integration into smart automation setups.

**Operating Voltage:** 21 ~ 30 DC via KNX bus voltage  
**Current Consumption:** < 12mA  
**Power Consumption:** Max 360m W  
**Number of Contacts:** 4  
**Mounting:** 35mm mounting rail  
**Size (W x H x D):** 72 x 90 x 64 mm



## GC04SA002

### SWITCHING ACTUATOR, 8 CHANNEL, 16A

The KNX Switching Actuator, 8-Channel, 16A controls up to eight independent circuits, each supporting loads up to 16A. It is perfect for managing lighting, appliances, or other high-power devices in a KNX system, ensuring reliable operation, energy efficiency, and seamless integration into smart automation environments.

**Operating Voltage:** 21 ~ 30 DC via KNX bus voltage  
**Current Consumption:** < 12mA  
**Power Consumption:** Max 360m W  
**Number of Contacts:** 8  
**Mounting:** 35mm mounting rail  
**Size (W x H x D):** 144 x 90 x 64 mm



## GC04SA003

### SWITCHING ACTUATOR, 12 CHANNEL, 16A

The KNX Switching Actuator, 12-Channel, 16A manages up to twelve independent circuits, each supporting loads up to 16A. It is ideal for controlling lighting, appliances, and other high-power devices within a KNX system, providing reliable performance, energy efficiency, and easy integration into advanced automation setups.

**Operating Voltage:** 21 ~ 30 DC via KNX bus voltage  
**Current Consumption:** < 12mA  
**Power Consumption:** Max 360m W  
**Number of Contacts:** 12  
**Mounting:** 35mm mounting rail  
**Size (W x H x D):** 216 x 90 x 64 mm



## GC04SA004

### SWITCHING ACTUATOR, 4 CHANNEL, 20A WITH CURRENT DETECTION

The KNX Switching Actuator, 4-Channel, 20A with Current Detection controls up to four circuits, each handling loads up to 20A, while monitoring current for real-time feedback and enhanced energy management. Ideal for high-power devices, it ensures reliable operation, supports load diagnostics, and integrates seamlessly into KNX smart automation systems.

**Operating Voltage:** 21 ~ 30 DC via KNX bus voltage  
**Current Consumption:** < 12mA  
**Power Consumption:** Max 250m W  
**Number of Contacts:** 4  
**Mounting:** 35mm mounting rail  
**Size (W x H x D):** 72 x 90 x 64 mm



# OUTPUT CONNECTION



## GC04SA005

### SWITCHING ACTUATOR, 8 CHANNEL, 20A WITH CURRENT DETECTION

The KNX Switching Actuator, 8-Channel, 20A with Current Detection manages up to eight circuits, each supporting loads up to 20A. It features current detection for real-time monitoring and energy optimization, making it ideal for high-power devices. Reliable and efficient, it integrates seamlessly into KNX smart automation systems.

**Operating Voltage:** 21 ~ 30 DC via KNX bus voltage  
**Current Consumption:** < 12mA  
**Power Consumption:** Max 250m W  
**Number of Contacts:** 8  
**Mounting:** 35mm mounting rail  
**Size:** 144 x 90 x 64mm



## GC04SA006

### SWITCHING ACTUATOR, 12 CHANNEL, 20A WITH CURRENT DETECTION

The KNX Switching Actuator, 12-Channel, 20A with Current Detection controls up to twelve circuits, each supporting loads up to 20A. It includes current detection for real-time monitoring and efficient energy management, making it ideal for high-power devices in KNX smart automation systems. Reliable and versatile, it ensures seamless integration and enhanced performance

**Operating Voltage:** 21 ~ 30 DC via KNX bus voltage  
**Current Consumption:** < 12mA  
**Power Consumption:** Max 360m W  
**Number of Contacts:** 12  
**Mounting:** 35mm mounting rail  
**Size (W x H x D):** 216 x 90 x 64 mm

# DIMMER CONTROL

## GC05DA005

DIMMING ACTUATOR, 1-10V,  
4 CHANNEL, 6A



The KNX Dimming Actuator, 1-10V, 4-Channel, 6A provides precise dimming control for up to four lighting circuits with 1-10V interfaces, each supporting loads up to 6A. It ensures smooth dimming, energy efficiency, and reliable performance, making it ideal for integrating advanced lighting solutions into KNX smart automation systems.

**Operating Voltage:** 21 ~ 30 DC via KNX bus voltage  
**Control Current:** 100mA / channel  
**Switch Current:** 6A, 150uF  
**Input:**  
Wire length Max 70m (0.8mm<sup>2</sup>)  
Wire length Max 100m (1.5mm<sup>2</sup>)  
**Installation:** 35mm mounting rail  
**Size (W x H x D):** 72 x 90 x 65 mm

## GC05DA006

DIMMING ACTUATOR, LEADING, 500W,  
4 CHANNEL



The KNX Dimming Actuator, Leading Edge, 500W, 4-Channel provides precise dimming control for up to four circuits, each supporting loads up to 500W. Designed for leading-edge dimmable devices, it ensures smooth lighting transitions, energy efficiency, and seamless integration into KNX smart automation systems.

**Operating Voltage:** 21 ~ 30 DC via KNX bus voltage  
**Power Input:** 240V 50Hz  
**Current Consumption:** ≤10mA  
**Power Consumption:** ≤250mW  
**Dimming Type:** SCR based Leading Edge  
**Size (W x H x D):** 215 x 90 x 65 mm

## GC05DA009

DIMMING ACTUATOR, TRAILING,  
400W, 2 CHANNEL



The KNX Dimming Actuator, Trailing Edge, 400W, 2-Channel offers precise dimming control for two lighting circuits with trailing-edge dimming, each supporting loads up to 400W. It ensures smooth dimming, energy efficiency, and reliable performance, ideal for integrating dimmable lighting into KNX smart automation systems.

**Operating Voltage:** 21 ~ 30 DC via KNX bus voltage  
**Power Input:** 240V 50Hz  
**Current Consumption:** ≤10mA  
**Power Consumption:** ≤250mW  
**Dimming Type:** SCR based Trailing Edge  
**Size (W x H x D):** 144 x 90 x 65 mm

## GC05DA010

DIMMING ACTUATOR, TRAILING,  
400W, 4 CHANNEL



The KNX Dimming Actuator, Trailing Edge, 400W, 4-Channel provides precise dimming control for up to four lighting circuits with trailing-edge dimming, each supporting loads up to 400W. It ensures smooth, flicker-free dimming, energy efficiency, and seamless integration into KNX smart automation systems.

**Operating Voltage:** 21 ~ 30 DC via KNX bus voltage  
**Power Input:** 240V 50Hz  
**Current Consumption:** ≤10mA  
**Power Consumption:** ≤250mW  
**Dimming Type:** SCR based Trailing Edge  
**Size (W x H x D):** 144 x 90 x 64 mm



# DIMMER CONTROL

## GC05DG011

### KNX DALI GATEWAY, 1 CHANNEL

The KNX DALI Gateway, 1-Channel allows seamless integration of DALI (Digital Addressable Lighting Interface) devices into a KNX system. It enables control of lighting and other DALI-compatible devices via the KNX network, offering centralized management, flexibility, and enhanced energy efficiency for smart building automation.



**Operating Voltage:** 21 ~ 30 DC via KNX bus voltage  
**Current Consumption:** Max 10mA  
**Power Consumption:** Max 250mA  
**Control Functions:** 16 Group, 14 Scenes,  
1 Central Control  
**Mounting:** 35mm mounting rail  
**Size (W x H x D):** 72 x 90 x 65 mm

## GC05DA012

### DIMMING ACTUATOR, UNIVERSAL, 300W, 2 CHANNEL

The KNX Dimming Actuator, Universal, 300W, 2- Channel provides precise dimming control for two lighting circuits, each supporting loads up to 300W. It is compatible with various dimmable lighting technologies, offering smooth dimming, energy efficiency, and reliable performance for seamless integration into KNX smart automation systems.

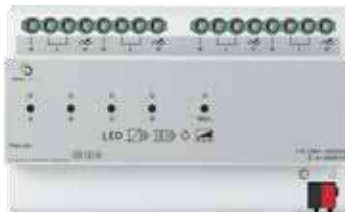


**Operating Voltage:** 21 ~ 30 DC via KNX bus voltage  
**Power Input:** 110 ~ 230 V AC (50/60Hz)  
**Dimming Type:** Leading edge/Trailing edge phase cut dimming  
**Dimming Output:** 300W / Channel  
**Mounting:** 35mm mounting rail  
**Size (W x H x D):** 72 x 90 x 64 mm

## GC05DA013

### DIMMING ACTUATOR, UNIVERSAL, 300W, 4 CHANNEL

The KNX Dimming Actuator, Universal, 300W, 4- Channel offers precise control for up to four lighting circuits, each supporting loads up to 300W. It is compatible with a variety of dimmable lighting technologies, ensuring smooth dimming, energy efficiency, and seamless integration into KNX smart automation systems.



**Operating Voltage:** 21 ~ 30 DC via KNX bus voltage  
**Power Input:** 110 ~ 230 V AC (50/60Hz)  
**Dimming Type:** Leading edge/Trailing edge phase cut dimming  
**Dimming Output:** 300W / Channel  
**Mounting:** 35mm mounting rail  
**Size (W x H x D):** 144 x 90 x 64 mm

# SHUTTER CONTROL

## GC06SH001

SHUTTER ACTUATOR, 4 CHANNEL,  
6A 230V

The KNX Shutter Actuator, 4-Channel, 6A 230V controls up to four shutters, blinds, or curtains, each supporting loads up to 6A at 230V. It enables precise control of window coverings within a KNX system, offering reliable operation, energy efficiency, and seamless integration for smart building automation.

**Operating Voltage:** 21 ~ 30 DC via KNX bus voltage  
**Current:** < 12mA  
**Power Consumption:** Max. 360mW  
**Number of Contacts (UP/DOWN):** 4  
**Output Switching Current:**  
6A at 230V AC AC1/AC3  
**Size (W x H x D):** 72 x 90 x 64 mm



# SENSORS

## GC07PS001WH

MINI KNX SENSOR W/  
MICROWAVE + PIR + LUX

The Mini KNX Sensor with Microwave + PIR + Lux is a compact multi-sensor that combines microwave motion detection, passive infrared (PIR) motion sensing, and lux (light level) measurement. This versatile sensor enables precise control of lighting and other automation functions based on occupancy and ambient light levels, enhancing energy efficiency and comfort in smart building environments.

**Operating Voltage:** 21 ~ 30 DC via KNX bus voltage  
**Current Consumption:** Max. 12mA  
**Power Consumption:** Max. 250mW  
**KNX Nominal Voltage:** 30 V DC  $\pm$  2 V, SELV  
**Hole Size:** 50mm  
**KNX Nominal Current:** 640 mA



## Project References



STDC X



Millenium, Damansara



Tropicana Garden Mall,  
Selangor



TRX Residences



Sport Direct, Sunway Pyramid



Canton Court, Pavillion KL



Amani Kapas Height



Park 7



Affin Bank HQ@TRX, KL



HSBC Tower@TRX, KL



Imperial Lexis Hotel, KL



IKEA Batu Kawan, Penang



## Project References



Toppen, Johor



BHP Billiton Office, KL



Golden Sun, Kuchai



Boutique Hotel, Bangi



Petronas, Segamat



Harry Ramsden, Genting



Calia, Pavilion



Grand Harbour, Farenheit



Genting Rouge



Amania Damandara Idaman,  
40 Units



Laman Damaisari, Mont Kiara



Tropicana Golf Villa, 12 Units



## Project References



KGPA Resort & Spa, KL



Indonesian State College of Accountancy (STAN), Indonesia



Bababeach Club Natai (Phuket), Thailand



Mitsui Retail Mall, KL



Bababeach Club Huahin, Thailand



YTL Headquarters, KL



The Exchange 106, KL (Mulia Office)



Putrajaya Parcel Z, Putrajaya



D.U.N Kuching, Sarawak



Genting Club@Resorts World, Pahang



Banyan Tree Suites, KL



Menara Ilham, KL (CEO Office)

## Project References



KL EcoCity Boutique Offices,  
KL



KL EcoCity Mercu-3,  
KL



VE Hotel, Bangsar South,  
KL



Tropicana Pool Villa, 24 Units



First World Hotel



Hotel EQ, KL



Maxims Hotel Genting



DoubleTree By Hilton I-City



Indigo Hotel



Menara PNB 118,  
Malaysia Tallest Building



IKEA Johor



Menara Shell



## Project References



Bangsar South Horizon  
8 Block Office



Menara Public Mutual



Bayan Tree Signature Pavilion



Setia City Mall



Menara Ministry of International  
Trade & Industry (MITI)



Greentech Malaysia, Bangi  
Malaysia 1st Green Building



PKT Kulim Logistics



Royal Pavilion, KL



IKANO MyTown, KL



Melawati Mall, KL



Menara RH, Miri



Management & Science  
University (MSU)

## Project References



University of Reading Malaysia



The Ship Campus  
Batu Kawan, Penang



Monash University,  
Johor Bahru



Grand Harbour, Damen Mall



Restaurant Beauty In  
The Pot Garden Mall



Sarawak Energy Berhad  
Headquarter



KFC Nilai



Putrajaya Holding Lot 2C2



Le Nouvel KLCC



Nadayu Melawati, 56 Units



One Legenda Cheras, 28 Units



Tropicana Pool Villa, 24 Units



## Project References



IKEA Alam Sutra, Indonesia



Lucy In The Sky Jakarta, Indonesia



Lucy In The Sky Surabaya, Indonesia



Lucy In The Sky Medan, Indonesia



Football Stadium, British School Jakarta, Indonesia



Jotun Plant, Jawa Barat, Indonesia



GS Battery, Jawa Barat, Indonesia



The Sentral Hotel, Manado, Indonesia



BNI, Office RDTX, Jakarta, Indonesia



Kidzoon, TSM Bandung, Indonesia



Residential House BSB, Semarang, Indonesia



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