



# Intelligent Life

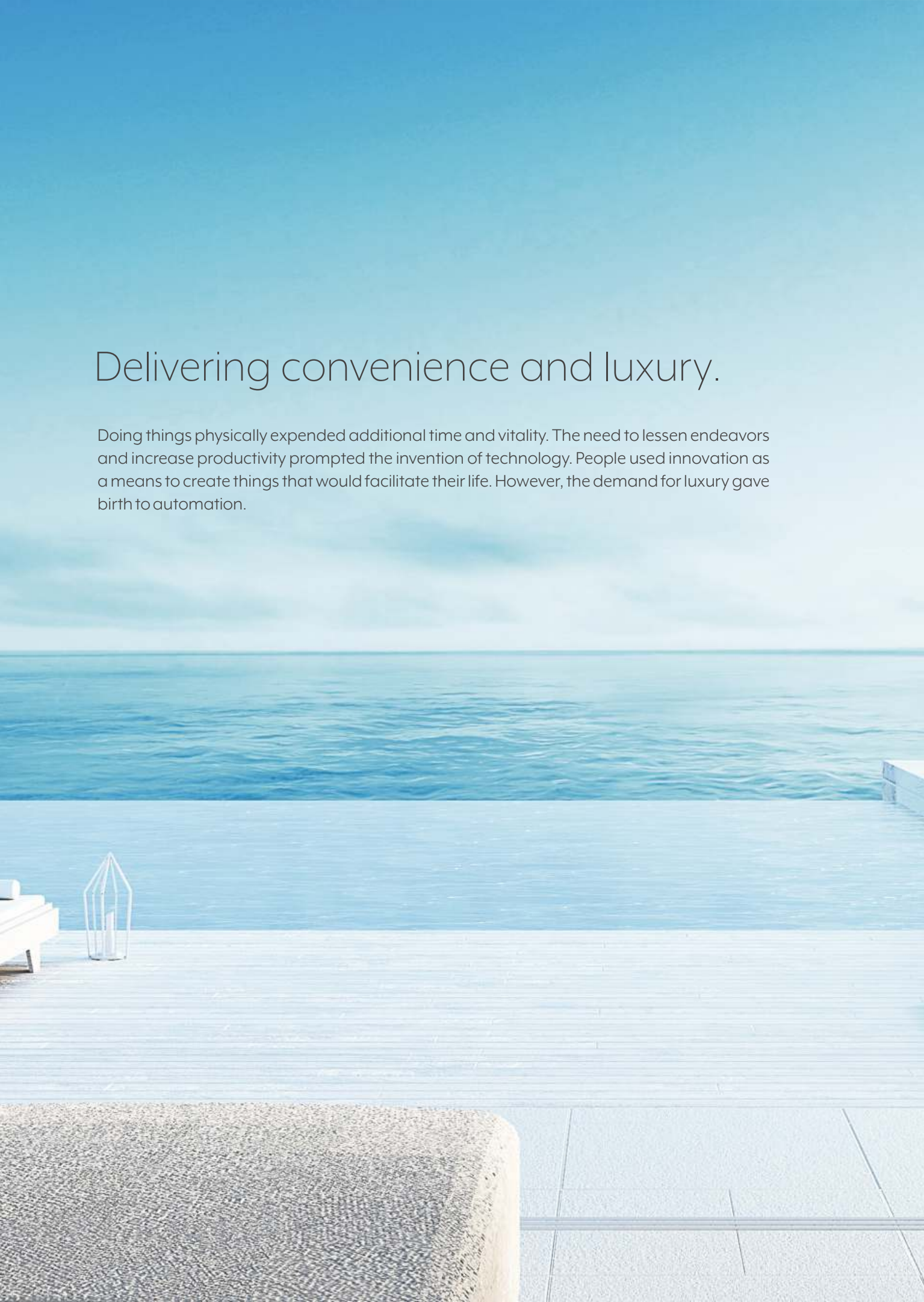
HOME AND BUILDING  
INTELLIGENT CONTROL SYSTEM

G-BUS | KNX

#Edition 2019

# Delivering convenience and luxury.

Doing things physically expended additional time and vitality. The need to lessen endeavors and increase productivity prompted the invention of technology. People used innovation as a means to create things that would facilitate their life. However, the demand for luxury gave birth to automation.





**G-BUS** an intelligent  
Life for today's smart homes





The world around is promoting the use of energy efficient technologies and we are playing our role by making a significant contribution to global climate protection. GM Modular proudly announces the Intelligent Building Control System that offers a broad range of options for optimum energy efficiency for every home.

G-Bus - Complete Home Automation serves as an intelligent system for electrical installation with automation and remote control making living more convenient, safe and flexible. The innovative G-Bus technology by GM communicates directly with KNX enabling the integration of many devices creating total flexibility in communicating with your home environment at your ease.



# Automation for home smart home!

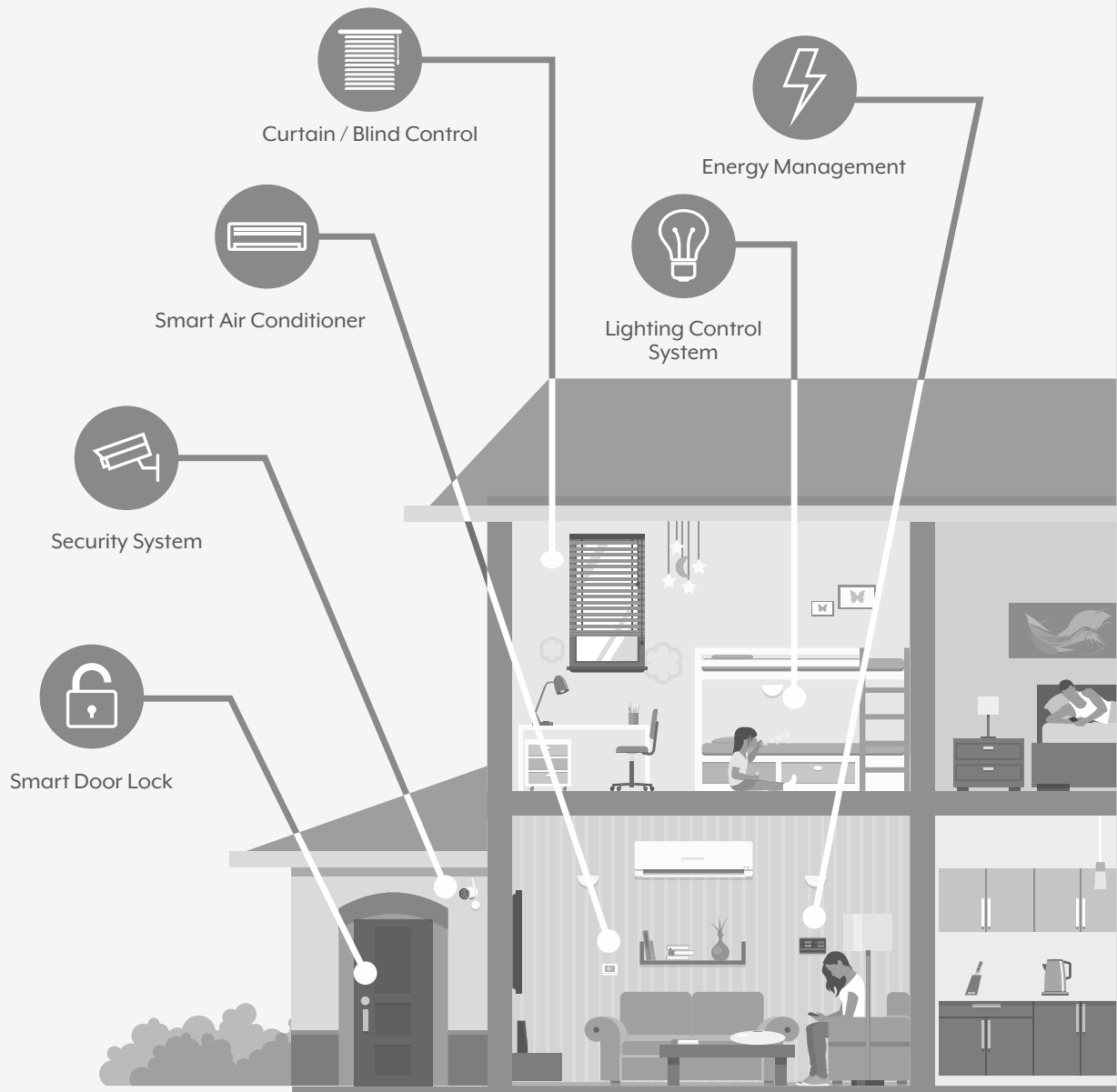
Home is a place where one experiences utmost relaxation and deserves slight pampering. Therefore, the G-Bus home automation inventory reveals insight into each and every item accessible in home automation with astounding features, such as administrating switching and dimming, controlling blinds and screens, temperature control, security control, cooling control and more. Keeping up to the expectations, all these attributes ensure convenience and luxury in every sense.



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# How G-Bus Home Automation integrates with your home environment.



## A Future-proof Technology

Enables any automation to bear the most recent innovation, such as the internet of things (IoT).

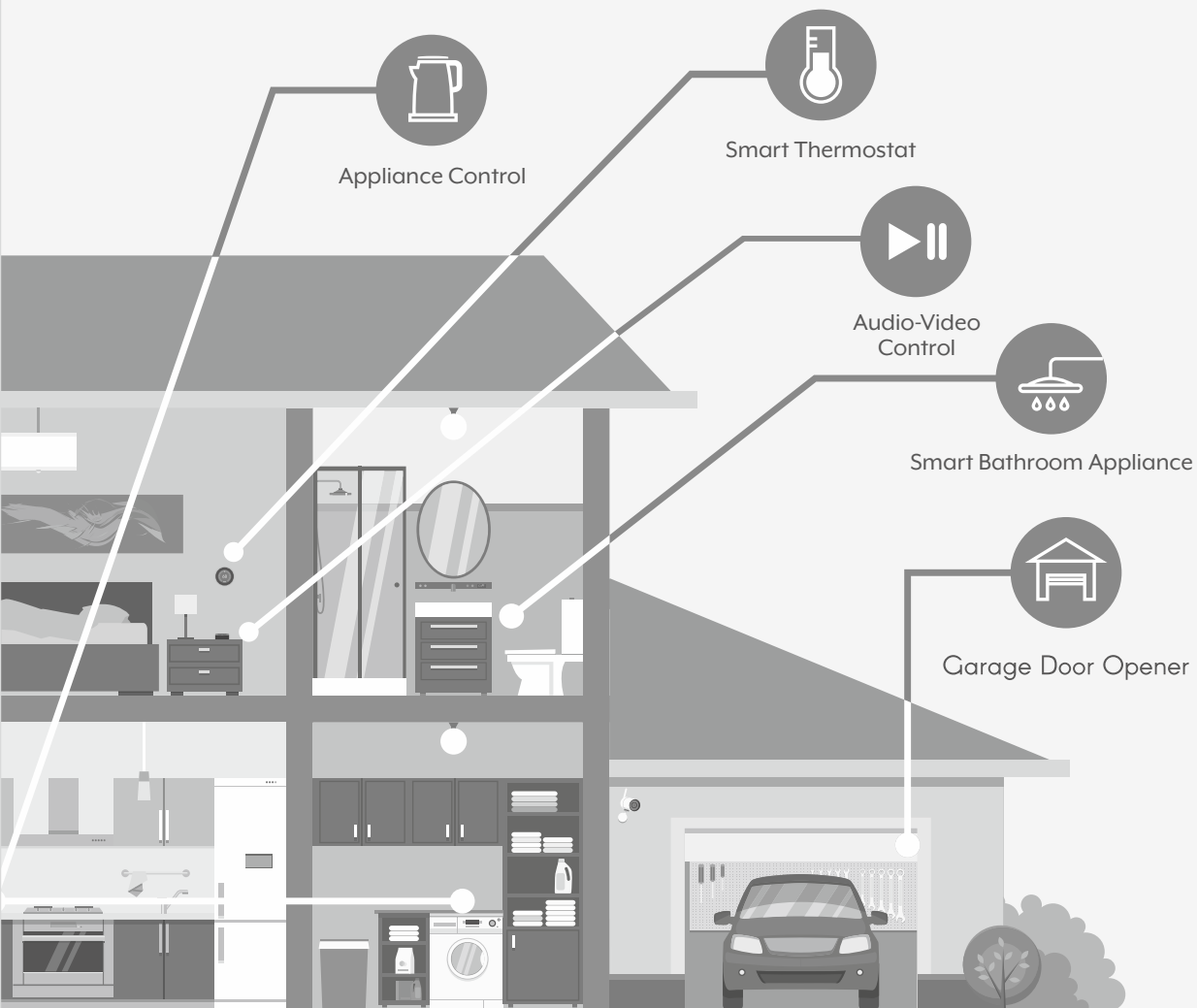
## Endless Flexibility and Personalization

Grants endless flexibility and personalisation in the setup of your automation.

## A Safe And Secure System

Guarantees a secured installation process and eliminates fear.





### Timesaving and easy installation

Has a solitary device for commissioning with a simple-to-utilize interface that spares time.

### Energy saving and management

Aids in decreasing energy usage by automatically turning off the lights and lets you manage your smart home instantly on a smartphone or a tablet.

# Smart Home Control



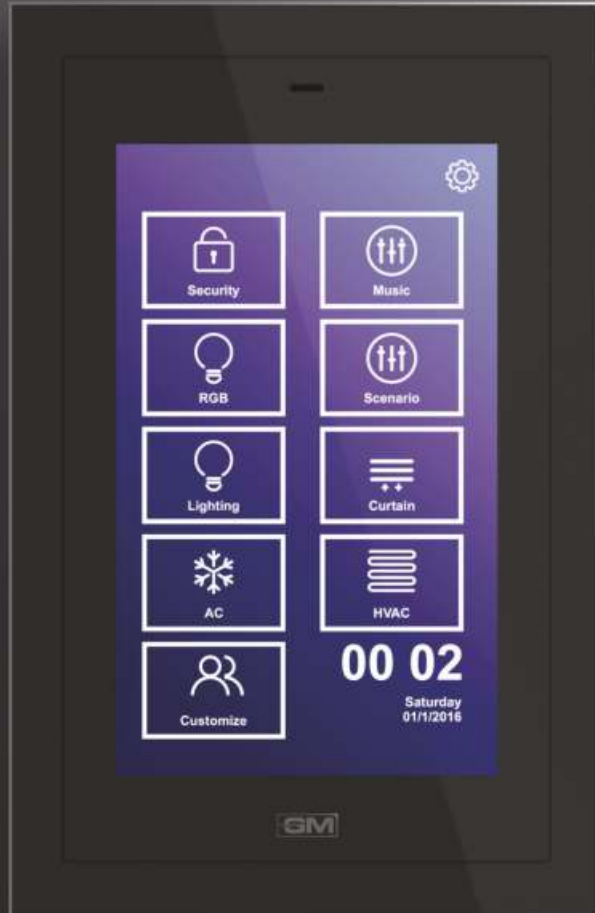
## For smart individuals

With advanced smart home control technology, you can effortlessly perform tasks like switching, dimming, scenes, control blinds and shutters, temperature control, timing, security and more.



# Smart Intelligent Touch Screen

5" Intelligent Touch Screen  
GCH/TF-05/01.2.21



The G-Bus 5" Smart Control Screen grants one the power to manage every activity in the home without any difficulty. For instance, it skips the need for one to move around the house for switching the lights on or off. It doesn't anticipate that one should physically close the blinds and shutters. Likewise, the control of setting the ideal situation, changing the lighting and operating the AC is mere at one's fingertips. It enables one to administer the security, determine the colour and customize the mood and ambience effortlessly.

## ☆ Highlights

- Switching & Dimming
- Control of blind and Shutters
- RGB Led Dimming & Logic Function
- Temperature Measure & Control Function
- Security Function
- Background Music
- Air Conditioning Control
- HVAC Control



### 5" Intelligent Touch Screen

GCH/TF-05/01.2.21

Dimension: 102x157x34.8 mm



### 3.5" Intelligent Touch Screen

GCH/TF-35/01.1.21

Dimension: 86x86x34.3 mm



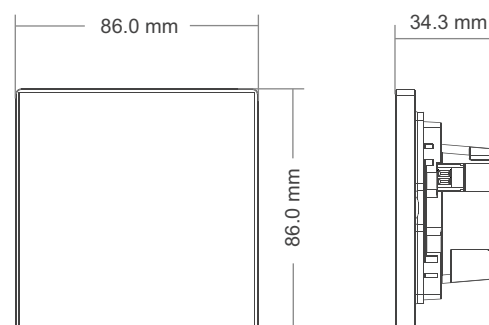
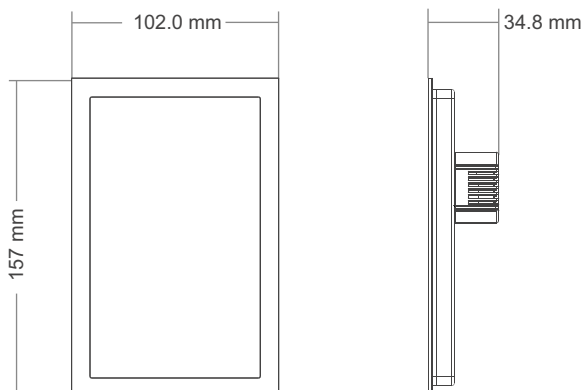
#### Functions

- Capacitive touch screen
- The main interface and secondary interfaces all can turn page through sliding
- Options of standby interface: clock or electronic album
- Connected directly to the KNX bus without a converter
- Switching, dimming, scenes, curtain control, temperature control, timing, security, etc.
- **5" Touch Panel** - Max. 18 buttons on secondary interfaces, displaying into two pages; button functions can be configured through the ETS
- **3.5" Touch Panel** - Displaying into ten pages; button functions can be configured through the ETS
- Comes with main page navigation function
- password protection.



#### Technical Parameter

Power Supply	Operating voltage 21~30V DC
Current Consumption	Max. 12 m A
Power Consumption	Max. 360 mW
Auxiliary Supply Voltage	21-30V, DC
Auxiliary Power Consumption	6W/3W
Installation	86 Box Mounted (only 3.5)
Temperature Range	Operation -5°C~+45°C
	Storage -25°C~+55°C
	Transport -25°C~+70°C



## 6 Button Touch Switch



**6 BUTTON TOUCH SWITCH**  
GCH/TB-06.02.01

The G-Bus 6 button touch switch is modern in appearance and efficient in its working. The home automation technology allows smooth operation of lights, drapes, fans and blinds etc. In addition to this, one can also customize the personal settings to suit their preferences.

### ☆ Highlights

- 6 Touch Buttons
- Switching & Dimming
- Control of Blind and shutters
- RGB Led Dimming & Logic Function
- Scene Control
- LED Indication



**6 Button Touch Switch - Black**  
GCH/TB-06.02.01  
Dimension: 86x86x35.6 mm



**6 Button Touch Switch - White**  
GCH/TB-06.02.01  
Dimension: 86x86x35.6 mm



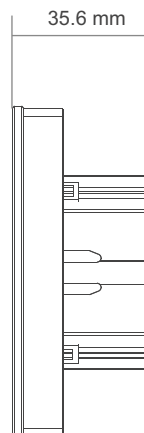
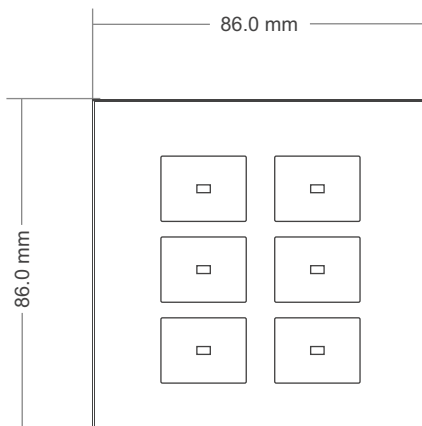
#### Functions

- 6 Capacitive touch buttons
- Switching and dimming
- Blinds and shutter control
- Scene control
- Sending of values, for e.g. brightness
- Recall and storage scene
- LED indication with 2 Color LED
- Connected directly to the KNX bus without converter



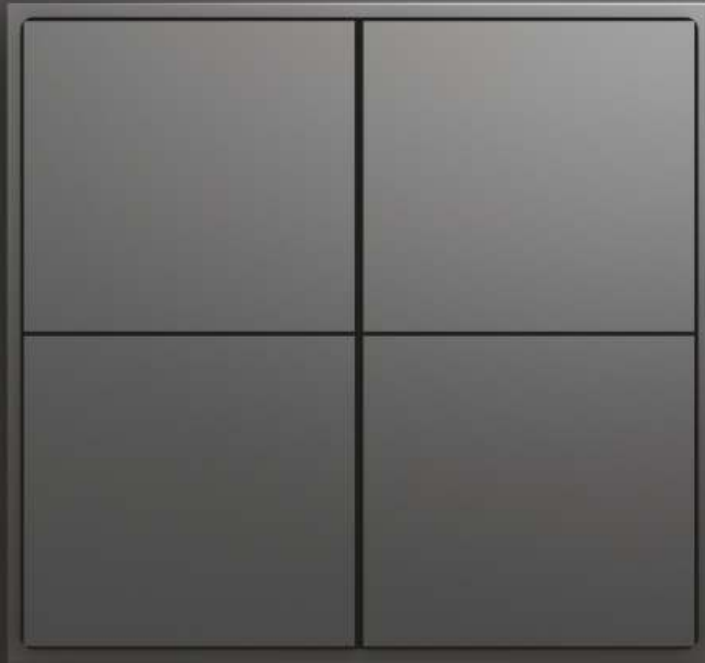
#### Technical Parameter

Power Supply	Operating voltage 21-30V DC
Current Consumption	Max. 12 mA
Power Consumption	Max. 360 mW
Auxiliary Supply Voltage	21-30V, DC
Installation	86 Box Mounted
Temperature Range	Operation -5°C~+45°C
	Storage -25°C~+55°C
	Transport -25°C~+70°C



## Push Button Series

**Push Button 8-Fold Wise Black  
(4 Square)**  
PBO08-WB



The G-Bus push button switch helps set the ideal lights and permits smooth function of drapes, fans and blinds.

### ☆ Highlights

- 8-Fold Push Button
- Switching and dimming.
- Blinds and shutter control.
- Scene control.
- LED indication.





**Push Button 8-Fold Champagne Gold  
(4 Square)**  
PB008-CG

Dimension: 86x80.5x28 mm



**Push Button 8-Fold Silver  
(4 Square)**  
PB008-S

Dimension: 86x80.5x28 mm



**Push Button 8-Fold Wise Black  
(4 Square)**  
PB008-WB

Dimension: 86x80.5x28 mm



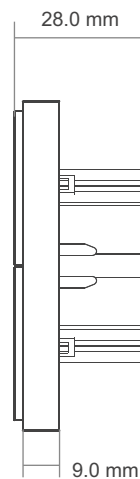
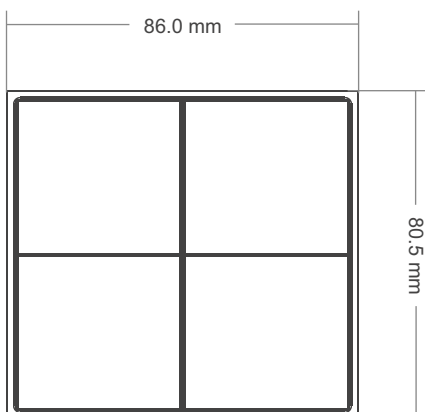
#### Functions

- 8-Fold Push Button
- Switching and dimming
- Blinds and shutter control
- Scene control
- Sending of values, for e.g. brightness
- LED indication with 2 color LED
- Connected directly to the KNX bus without converter



#### Technical Parameter

Power Supply	Operating voltage 21-30V DC
Current Consumption	Max. 12 mA
Power Consumption	Max. 360 mW
Auxiliary Supply Voltage	21-30V, DC
Installation	86 Box Mounted
Temperature Range	Operation -5°C~+45°C Storage -25°C~+55°C Transport -25°C~+70°C



# Push Button 8-Fold Rectangle

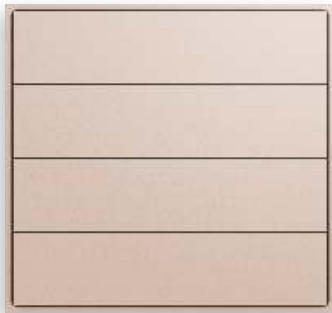
Push Button 8-Fold Champagne Gold  
(4 Rectangle)  
PB008-PLUS-CG



The 8-Fold push button not only enables you to control and program your home lights, fan, blinds etc., but also empowers you to customize personal settings and modify home settings with an intuitive-menu-driven format.

## ★ Highlights

- 8-Fold Push Button
- Switching and dimming.
- Blinds and shutter control.
- Scene control.
- LED indication.



**Push Button 8-Fold Champagne Gold  
(4 Rectangle)**  
PB008-PLUS-CG

Dimension: 86x80.5x28 mm



**Push Button 8-Fold Silver  
(4 Rectangle)**  
PB008-PLUS-S

Dimension: 86x80.5x28 mm



**Push Button 8-Fold Wise Black  
(4 Rectangle)**  
PB008-PLUS-WB

Dimension: 86x80.5x28 mm



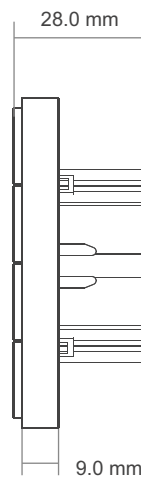
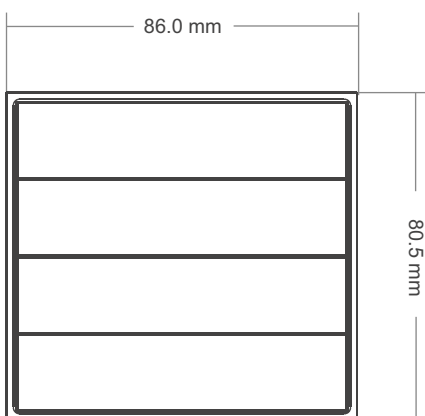
#### Functions

- 8/16 Fold Push Button
- Switching and dimming
- Blinds and shutter control
- Scene control
- Sending of values, for e.g. brightness
- LED indication - LED have 2 colors
- Connected directly to the KNX bus without converter



#### Technical Parameter

Power Supply	Operating voltage 21-30V DC
Current Consumption	Max. 12 mA
Power Consumption	Max. 360 mW
Auxiliary Supply Voltage	21-30V, DC
Installation	86 Box Mounted
Temperature Range	Operation -5°C~+45°C Storage -25°C~+55°C Transport -25°C~+70°C



# Push Button 16-Fold

**Push Button 16-Fold Wise Black**  
PB016-PLUS-WB



The 16-Fold push button not only enables you to control and program your home lights, fans, blinds etc., but also empowers you to customize personal settings and modify home settings with an intuitive-menu-driven format.

## ★ Highlights

- 16-Fold Push Button
- Switching and dimming.
- Blinds and shutter control.
- Scene control.
- LED indication.



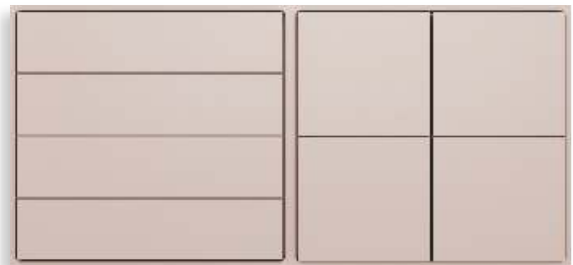
**Push Button 16-Fold Champagne Gold**  
PB016-PLUS-CG  
Dimension: 172x80.5x28mm



**Push Button 16-Fold Wise Black**  
PB016-PLUS-WB  
Dimension: 172x80.5x28mm



**Push Button 16-Fold Silver**  
PBO16-PLUS-S  
Dimension: 172x80.5x28mm



**Push Button 16-Fold Champagne Gold**  
PB016-PLUS-CG  
Dimension: 172x80.5x28mm



**Push Button 16-Fold Wise Black**  
PB016-PLUS-WB  
Dimension: 172x80.5x28mm



**Push Button 16-Fold Silver**  
PBO16-PLUS-S  
Dimension: 172x80.5x28mm

# Intelligent Control Software

The intelligent software based app allows you to control your home from anywhere in the house or from wherever in the world with your smartphone, tablet, laptop or desktop computer with just a touch of a button. Through scheduling and monitoring the home environment, you can also control your electrical devices thus optimizing your energy.

## G-Bus Application Software



### ★ Highlights

- Logic Functions
- System Supervision
- Remote Control
- Timed Function
- Remote Programming



## Let there be light

A tap of your finger is the only command you need, to switch all the lights in your home on and off. And if you want a more romantic atmosphere, then you can simply dim the lighting to your desired setting naturally at the tap of finger.

## Turn on, tune in, set the mood

Become the leading actor on your own stage. With the "Scenes" function, you can adjust appliances, light and blinds to one another, allowing you to trigger scenes that suit your mood perfectly.

## Transparent electricity costs

Which of your appliances do you think are the biggest energy guzzlers? Your smart home calculates how much energy your appliances consume giving you a simple overview of your household energy consumption. That way, you won't be in for any nasty surprises when you receive your next electricity bill.

## With the app, your home is with you all the time.

Control your home. Wherever you are. As you would usually do. The app is available for both the Android and iOS operating systems. You can download both apps for free.







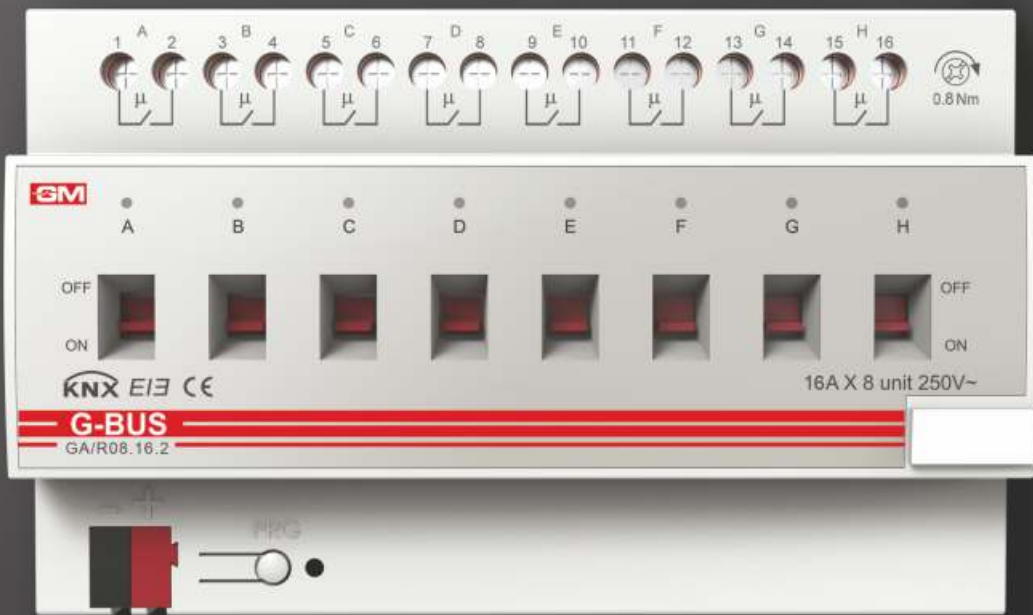
## Lighting Control

Home lighting is more than just switching the light on and off. With G-Bus intelligent home automation technology, you can create your lighting moods or scenarios at your ease. With the proliferation of the use of LED technology, you now have more options for colour control as well.



# Switch Actuator Series

The G-Bus switch actuator series has an energy efficient lighting system that allows one to control the home lightings at just a touch, either in a single room or throughout the home. It also enables one to customize and automate the lighting to set the right mood and ambience from anywhere, anytime.



Switch Actuator 8 - Fold  
GM GA/R08.16.2

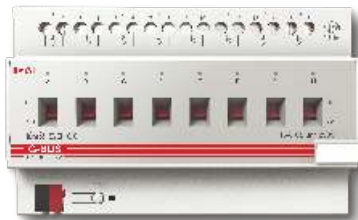
## ☆ Highlights

- Switching Control
- Central Lighting Control
- Constant Lighting Control
- Timing Control
- Light Scenes
- Current Measurement



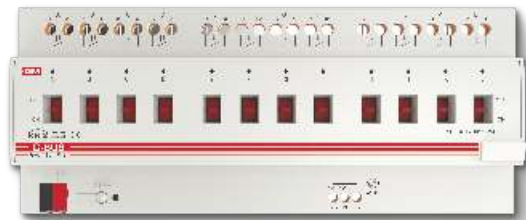
**Switch Actuator 4 - Fold**  
GA/R04.16.2

Dimension: 83x82.5x61.5 mm



**Switch Actuator 8 - Fold**  
GA/R08.16.2

Dimension: 145.62x92.5x61.5 mm



**Switch Actuator 12 - Fold**  
GA/R12.16.2

Dimension: 216x91x64 mm



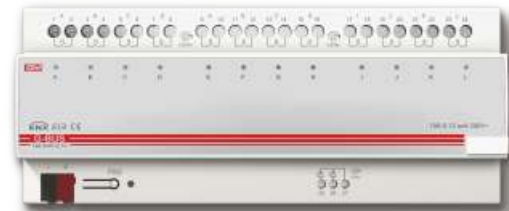
**Switch Actuator 3 - Fold**  
GM - SW003 - 8

Dimension: 50x51.80x22.40 mm



**Switch Actuator 8 - Fold**  
GM SW008 - 10

Dimension: 143x91x64 mm



**Switch Actuator 12 - Fold**  
GM - SW012 - 10

Dimension: 216x91x64 mm



## Functions

- Manual operation available. (GA/R04.16.2, GA/R08.16.2 and GA/R12.16.2)
- Time functions, on/off delay
- Support 8 Scene control
- Logic operation AND, OR, XOR, gate function
- Status response
- Load Rating: 8Amp, 10Amp, 16Amp
- Load Monitoring
- Current Measurement ( mA, A and kW)
- Selection of preferred state after bus voltage failure and bus recovery
- Staircase lighting functions with warning and adaptable staircase lighting time



## Technical Parameter

Power Supply	Operating voltage 21-30V DC
Current Consumption	Max. 12 mA
Power Consumption	Max. 360 mW
Outputs	3ch/4ch/8ch/12ch
Rated Voltage and Current	250VAC (50/60Hz) and 8/10/16A
Auxiliary Power Consumption	2 - 8W
Temperature Range	Operation -5°C~+45°C Storage -25°C~+55°C Transport -25°C~+70°C
Installation	On 35mm din rail

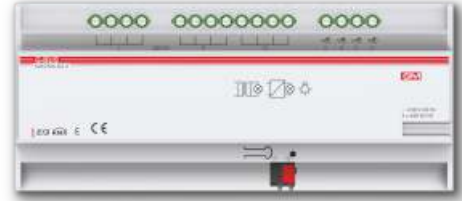
# Dimming Actuator Series



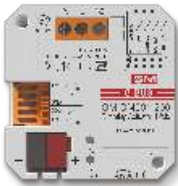
**Dimmer Actuator 1 - Fold**  
GA/D01.03.2  
500W Incandent load  
Dimension: 73x92.5x61.4 mm



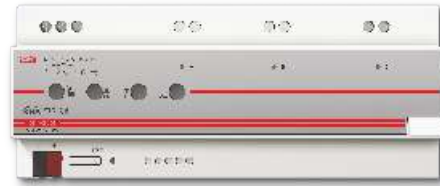
**Dimmer Actuator 2 - Fold**  
GA/D02.03.2  
500W Incandent load  
Dimension: 145x92.5x61.5 mm



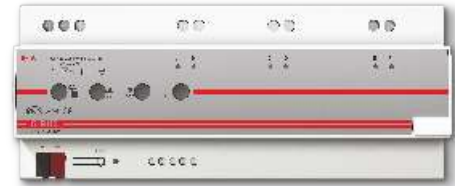
**Dimmer Actuator 4 - Fold**  
GA/D04.03.2  
500W Incandent load  
Dimension: 216x91x64 mm



**Dimming Actuator 1 - Fold**  
GM - DM001 - 200  
200W Incandent load  
Dimension: 50x51.8x22.4 mm



**Dimming Actuator 3 - Fold**  
GM - DM003 - 600  
600W Incandent load  
Dimension: 216x91x64 mm



**Dimming Actuator 6 - Fold**  
GM - DM006 - 200  
200W Incandent load  
Dimension: 216x91x64 mm



## Functions

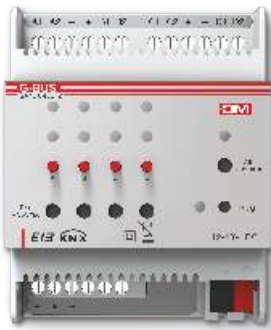
- Control switch state of the lamp
- Relative dimming function and absolute dimming
- Control intensity values of the lamp
- State report, error report
- 8-15 scenes setting
- Staircase lighting function with end indication
- Reset function
- Preset function, save preset function



## Technical Parameter

Power Supply	Operating voltage 21~30V DC
Current Consumption	Max. 12 m A
Power Consumption	Max. 360 mW
Operating/Display	Red LED and push-button for assigning the physical address, green LED flashing means the device is working normally.
Outputs	1ch/2ch/3ch/4ch/6ch
Output Parameter	230VAC(50/60Hz), dimming via phase control
MAX. Load	500W/ch (under the environmental temperature of 45°C)
MIN. Load	40W
Power Consumption	Max. 5W/ch
Temperature Range	• Operation 5°C~45°C    • Storage 25°C~55°C • Transport 25°C~70°C
Installation	On 35mm din rail

# LED Dimmer Actuator/ 1-10 V Dimmer Actuator



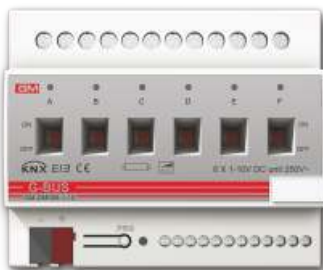
**350MA/750MA LED Dimmer Actuator** (RGB Controller)  
GA/D04.L.2

Dimension: 72x91x132 mm



## Functions

- Switching the light
- Relative dimming
- Absolute dimming
- Status report
- Setting 15 scenes
- Staircase lighting function
- Bus recovery (or reset) function
- Preset value and modify preset value functions
- Switch/relative dimming via manual buttons



**1-10V Dimmer Actuator 6 - Fold**  
GM - DM006 - 1-10

Dimension: 107x91x64 mm



## Functions

- Control switch of the LED lamp
- Relative dimming function
- Control brightness values of the LED lamp
- State report, error report
- 15 scenes setting
- Staircase lighting function
- Bus recovery function
- Preset function, set preset function
- Set output current for per channel manually
- Switch/ relative dimming via manual buttons



## Technical Parameter

Power Supply	Operating voltage 21-30V DC
Current Consumption	Max. 12 m A
Power Consumption	Max. 360 mW
Outputs	1-10V DC(passive), max.100mA per output 4 Channels / Each channel with two outputs
Current	Constant current 350mA/700mA
Output Switch Current	16A/250V AC
Load Voltage	3-48V DC
Operating/Display	Red LED and push button for assigning the physical address green LED flashing means the device is working normally.
Temperature Range	• Operation 5°C-45°C · Storage 25°C-55°C • Transport 25°C-70°C
Installation	On 35mm din rail

## Blind And Shutter Control

The blinds and shutters are small but integral part of everyone's houses. The G-Bus home automation empowers one to control the movement of blinds and shutter either by using the in-built interface manually or by using a promptly available smartphone advantageously. However, the latter technique is beneficial and fulfilling to watch as the blinds and shutters open and close smoothly without any physical assistance.



# Shutter Actuator Series

The smart G-bus system offers greater living experience in terms of comfort and convenience. It allows one to control blinds and shutters by merely pressing a button, operating an automated touch screen or accessing a handy smartphone.



**Shutter Actuator 4 - Fold**  
GM-SHA004-8  
8Amp

## ☆ Highlights

- Shutter or Blind Control
- Central Shutter Control
- Timing Control
- Scenes Control





### Shutter Actuator 1 - Fold

GM - SHA001 - 8  
8Amp

Dimension: 50x51.8x22.4 mm



### Shutter Actuator 2 - Fold

GM - SHA002 - 10  
10Amp

Dimension: 71x91x62.5 mm



### Shutter Actuator 4 - Fold

GM - SHA004 - 8  
8Amp

Dimension: 170.5x91x62.5 mm



#### Functions

- Movement UP/DOWN
- Stop/Louvre adjustment/open close stop
- Move into preset position (up to 2 preset positions)
- Set preset position (modification of the preset position during operation)
- Move to position 0 ... 100%
- Adjustment louvre to position 0 ... 100% (only Blind "Blind" working mode)
- Automatic Scenes/ Block/ Forced operation
- Monitoring of wind, rain and frost protect (cyclical)
- Status display of the current position, status display of the current operating mode
- LED display, Two working mode, Venetian Blind and Shutter
- All Channel control
- with external sensor wind, rain and frost detection.



#### Technical Parameter

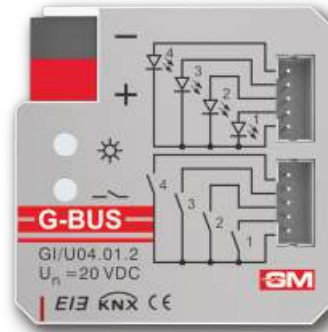
Power Supply	Operating voltage 21-30V DC
Current Consumption	Max. 5 mA - 12 mA
Power Consumption	Max. 150 - 360 mW
Outputs	1ch/2ch/4ch 8A/10A/8A
Installation	On 35mm din rail
Temperature Range	Operation -5°C-+45°C Storage -25°C-+55°C Transport -25°C-+70°C

# Input Device Series (Universal Interface)



**Universal Interface 6 - Fold**  
GM - UI006

Dimension: 41.86x48.2x19.7 mm



**Universal Interface 4 - Fold**  
GI/U04.01.2

Dimension: 45.5x45.5x12 mm



**Universal Interface 3 - Fold**  
GM - UI003

Dimension: 36x91x62.5 mm



## Functions

- Switch function
- Switch and dimming of the lights
- Send value and forced output
- Scene control
- Switching sequence
- Counter
- Multiple operation
- Shutter control (1 or 2 button operation)
- LED function



## Technical Parameter

Power Supply	Operating voltage 21-30V DC
Key Scanning Volt.	20V DC
Input Current	5mA - 20mA
Operating/Display	Red LED and push-button for assigning the physical address, green LED flashing means the device working normally.
LED output voltage	5V DC
LED output current	Max. 2.5mA, limited via series resistor of 2K Safety short-circuit-proof, overload protection, reverse voltage protection
Temperature Range	• Operation -5°C~+45°C • Storage -25°C~+55°C • Transport -25°C~+70°C

# Power Supply Series



**Power Supply**  
GM - PW001 - 640 - VARIABLE  
Dimension: 71x91x64 mm



**Power Supply**  
GM - PW002 - 640  
Dimension: 36x91x62.5 mm



**Power Supply**  
GM - PW002 - 320  
Dimension: 36x91x62.5 mm



## Functions

- EIB/KNX power supply produces and monitors EIB / KNX system voltage
- The bus 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 for 22seconds (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 has to 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



## Technical Parameter

Power Supply	Input voltage 95V -255 Vac , 47-63Hz
External Power	Input voltage DC 15V - DC 30V 1.5A
Power Loss/ Efficiency	<6 W/ 75%
Output (PSU)	1 line with integrated choke
Nominal / Aux. voltage	30 V DC +/-2 V, SELV
Aux. voltage output	1 (without choke)
Nominal current	640mA, short-circuit-proof
Short-circuit current	< 1.3 A
Failure back-up time	>200ms
EIB/KNX output	Bus connection terminal (black/red)
Aux. voltage output	Connection terminal (yellow/grey)
Temperature Range	• Operation -5°C~+45°C • Storage -25°C~+55°C • Transport -25°C~+70°C
Installation	On 35mm din rail



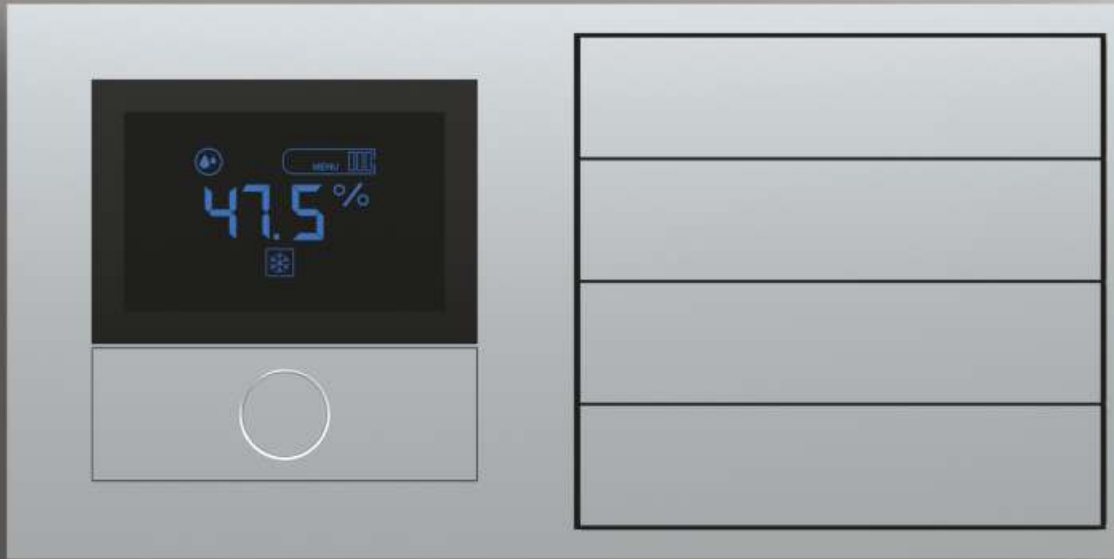
## Heating, Ventilation & Air Conditioning Control

A pleasant climate throughout the year is now feasible. With G-Bus, you can set just the right climate to suit yourself. The temperature is monitored and adopted either automatically or manually, thus conserving energy.



# Multifunction Thermostat

**Multifunction Thermostat Panel Silver**  
GM-MTC002-S



The G-Bus Multifunction Thermostat feature ensures complete comfort. It enables one to manage ventilation in the room by utilizing either the home automation interface or a readily accessible smartphone. Likewise, it enables one to change the temperature of the place to warm or cool depending on the atmospheric condition or an individual's desired mood and choice. However, it can also set the temperature automatically without the need for any manual interference.

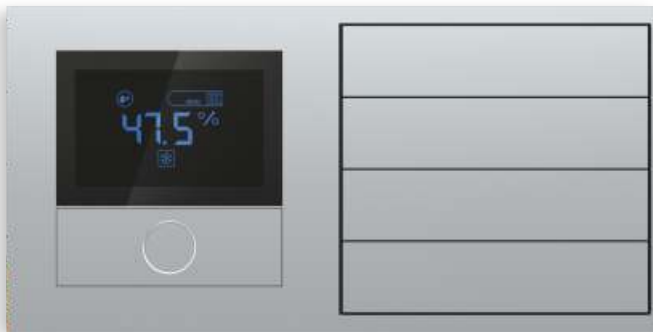
## ★ Highlights

- Individual Room Control
- Central and Automatic Control
- Safety Programs
- Electrical Heating
- Temperature Control
- Timed Operation Modes



**Multifunction Thermostat Panel Wise Black**  
GM-MTC002-WB

Dimension: 172x80.5x11mm



**Multifunction Thermostat Panel Silver**  
GM-MTC002-S

Dimension: 172x80.5x11mm



**Multifunction Thermostat Panel Wise Black**  
GM-MTC002-WB

Dimension: 80.5x80.5x11mm



#### Functions

- Storage - 25°C - 55°C
- Temp. Detection Accuracy: ± 0.5°C
- Temp. Detection Range: -20 -5 0°C
- Humidity Detection Accuracy: ± 3%
- Humidity Detection Range: 0-100%
- Installation: 172 x 80.5 x 11 mm



#### Technical Parameter

Power Supply	Operating voltage 21-30V DC
Current Consumption	Max. 12 m A
Power Consumption	Max. 360 mW
Auxiliary Supply Voltage	12-30V, DC
Auxiliary Power Consumption	<2W
Temperature Range	Operation -5°C~+45°C Storage -25°C~+55°C Transport -25°C~+70°C

# Room Controller

**Room Controller**  
GAM/RM-41.00.2

Dimension: 216x91x64 mm



## Functions

- 20 channels binary input. Functions of each channel are switch sensor, dimming sensor, value output and shutter control
- 12 channels switch output. 4ch with manual operation (mechanical switch) available, the max. load current is 16A, others are electrical switches, and the max. load current is 6A. All channels have the function of staircase lighting, light flashing and switch delay. Also logic and force operation are available
- 2 channels with Shutter output. Max. Load current is 6A, operating shutter and louvre adjustment available, automatic function and sun protection available, safety operating available
- 2 channels TRIAC dimming output. Max Load current is 1A; relative dimming, brightness dimming and staircase lighting available
- 1 channel with Fan Coil output. Provides high, medium, low fan speeds, Max. Current is 6A.that can be reused for 3ch switch actuator; 4 pipes HVAC control system, Max. load current is 1A; PWM and continuous control available



## Technical Parameter

Power Supply	Operating voltage 21-30V DC
Current Consumption	Max. 12 mA
Power Consumption	Max. 360 mW
Auxiliary Power Supply	230VAC ±10% / ±15%
Auxiliary Power Consumption	Max. 12W
Output/Input	12 folds output of relay switch. 2 of triac dimming . 2 of shutter controller. 1 of fan coil, and 20 folds input of dry contact
Temperature Range	<ul style="list-style-type: none"> <li>• Operation -5°C~+45°C</li> <li>• Storage -25°C~+55°C</li> <li>• Transport -25°C~+70°C</li> </ul>
Installation	On 35mm din rail



# IR Learner / USB Interface / Motion Detector



**IR Learner**  
GBT/IL-01.00.2

Dimension: 76.34x18.15x20 mm



## Functions

- Used as common USB port to communicate, it is easy to learn the functional control codes of the IR remote controller and store the codes to the database of the PC Software
- We call it "IR Learning" that combines the three parts, PC Software, IR Learner and IR Emitter
- The IR Learning 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 Parameter

### IR Learner / USB Interface

Power Supply	Operating voltage 21-30V DC
Current / Power Consumption	Max. 12 m A / Max. 360 mW
USB Voltage	5V
Current Consumption	Max.100mA USB
Power consumption	Max.500mW USB
Total consumption	Max.860mW USB &EIB
Temperature Range	Operation 5°C~45°C
Installation	On 35mm din rail

### Presence / Brightness / Motion Detector

Power Supply	Operating voltage 21-30V DC
Current Consumption	Max. 12mA
Power Consumption	Max. 360 mW
Operating/Display	Red LED and push button for assigning the physical address green LED flashing means the device is working normally.
Temperature Range	• Operation -5°C~+45°C   • Storage -25°C~+70°C   -25°C~+55°C
Installation	Ceiling installation



## Functions

- Threshold function
- Lux measuring range: 1 lux-65535 lux
- Movement measuring range: high sensitivity (4m~5m) low sensitivity (5m~7m)
- Lux output with 3 types of output data
- Motion detection output with 3 types of output data
- Motion detection with 10-grade sensitivity with master and slave sensor control function
- Logic operation, AND, OR, XOR etc.



**USB Interface**  
GBN/US-00.00.2

Dimension: 76.28x18.22x20 mm



## Functions

- The KNX USB Interface is used for facilitating communication between the PC and the KNX system, in order to configure, parameterize and commission the EIB/KNX installation as well as bus monitor uses the ETS (ETS3 or later) software
- The KNX USB Interface is not an application program, but it is able to use the ETS to allocate the physical address.
- The factory default physical addresses are 15,15,255. Note - a KNX drive program (G-BUS USB driver for KNX.exe) need to be installed in the PC, or else the interface cannot connect to the PC
- The KNX USB Interface can run in the following operating systems: Windows 2000, Windows XP, Windows Vista, Windows 7, Windows Me and Windows 98
- Note - If running Windows Me and Windows 98, not only need to install the KNX drive program in the PC, but also need to install the HID driving



**PIR Presence Detector Milky White**  
GM - PIR001

Dimension: 234.47x184x69.8 mm



**Brightness and Motion Detector**  
GCS/BP-02.00.2

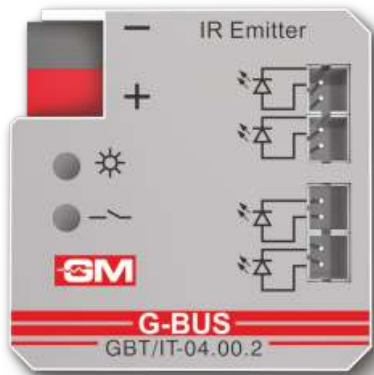
# Audio-Video Control

Home audio and video systems typically include television, music players and speakers, system controller and more. G-Bus enables its integration to provide you with the best entertainment experience. It not only enables you to remote control the music from everywhere within the house, but also allows remote controlling of every single room.





# Converter Series (IR Emitter) / IP Router



**4 CH IR Transmitter**  
GBT/IT-04.00.2

Dimension: 45.5x45.5x12 mm



## Functions

- 4 channels, storing up to 64 different IR functional control codes for per channel.
- A channel can link up to 16 group addresses.
- The IR functional control codes can be assigned to lbit or lbyte type of object.
- The transmitting distance is about 2m.
- Sending time and sending delay can be set for per control codes.
- Each main function can include 5 slave functions.



## Technical Parameter

Power Supply	Operating voltage 21-30V DC
Current Consumption	Max. 12mA
Power Consumption	Max. 360 mW
Operating/Display	Red LED and push button for assigning the physical address green LED flashing means the device is working normally.
Temperature Range	<ul style="list-style-type: none"> <li>• Operation -5°C~+45°C</li> <li>• Storage -25°C~+55°C</li> <li>• Transport -25°C~+70°C</li> </ul>



**IP Router**  
GM - IP002

Dimension: 36x91.5x62.5 mm



## Functions

- Serves as a communication interface between KNX installations and IP networks to configure, parameterize and commission the EIB/KNX installation.
- The IP address of the device can be fixed



## Technical Parameter

Power Supply	Operating voltage 21-30V DC, via EIB bus
Current Consumption	EIB <12mA
Power Consumption	EIB <360mW
Auxiliary power	• Supply 20-30V DC • Consumption <2.5W
Installation	On 35mm din rail



**RS232 Gateway**  
GM - RS232

Dimension: 36x91.5x62.5 mm



**RS485 Gateway**  
GM - RS485

Dimension: 36x91.5x62.5 mm



## Functions

- The KNX Serial Gateway is bidirectional. It receives data telegrams on the KNX Bus and generates serial telegrams using the internal interface program
- A new KNX telegram can also be created when a serial telegram is received
- The KNX Serial Gateway contains 8KByte of memory
- The group addresses for the internal objects are defined in a project-file together with the serial strings to use
- The KNX Serial Gateway comes ready for operation and does not need to be configured with ETS
- RS485 is a KNX device with gateway function between a serial RS485 Modbus RTU network (Master function) and a KNX TP network over a twisted pair communication cable
- Ideal application in integration of Modbus devices over a RS485 serial network in a KNX-based home and building control system



## Technical Parameter

Power Supply	Operating voltage 10-30V DC
Modular Device	2UM (1UM = 18mm)
Weight	80g
Dimension	36 x 90x 63 mm (WxHxD)
Installation	On 35mm din rail

# Voice Control

Voice controlled wireless smart home system has been presented for elderly and disabled people. The concept of controlling home appliances using human voice is interesting. The proposed system has two main components, they are (a) voice recognition system, and (b) wireless system. This system to control home appliances uses a voice controlled application. By the increasing use of PC (personal computers), internet, mobile phone and wireless technology, it makes it easy for a user to remotely access and control the appliances.

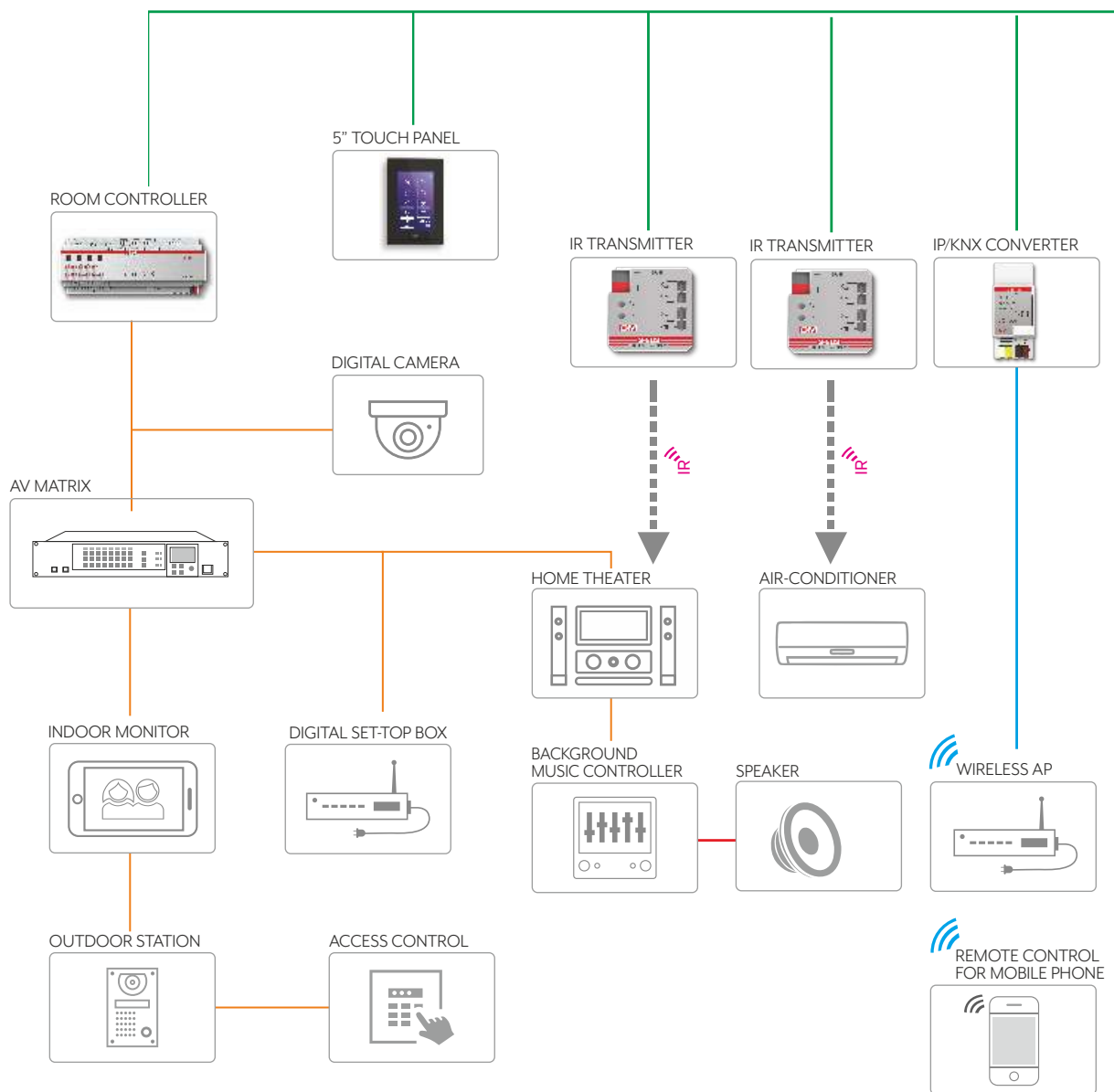
The main aim of our system is to build a perfect companion for someone to be at home. Generally, home automation research targeted many needs like applications that provide the luxury and smart requirements while some throw light on the special needs for elderly and disabled etc. our system is a computer based system that can accept voice to direct commands and process them.



★ Highlights

- Lighting Control
- HVAC Control
- AV Control
- Curtain Control
- Mood Lighting

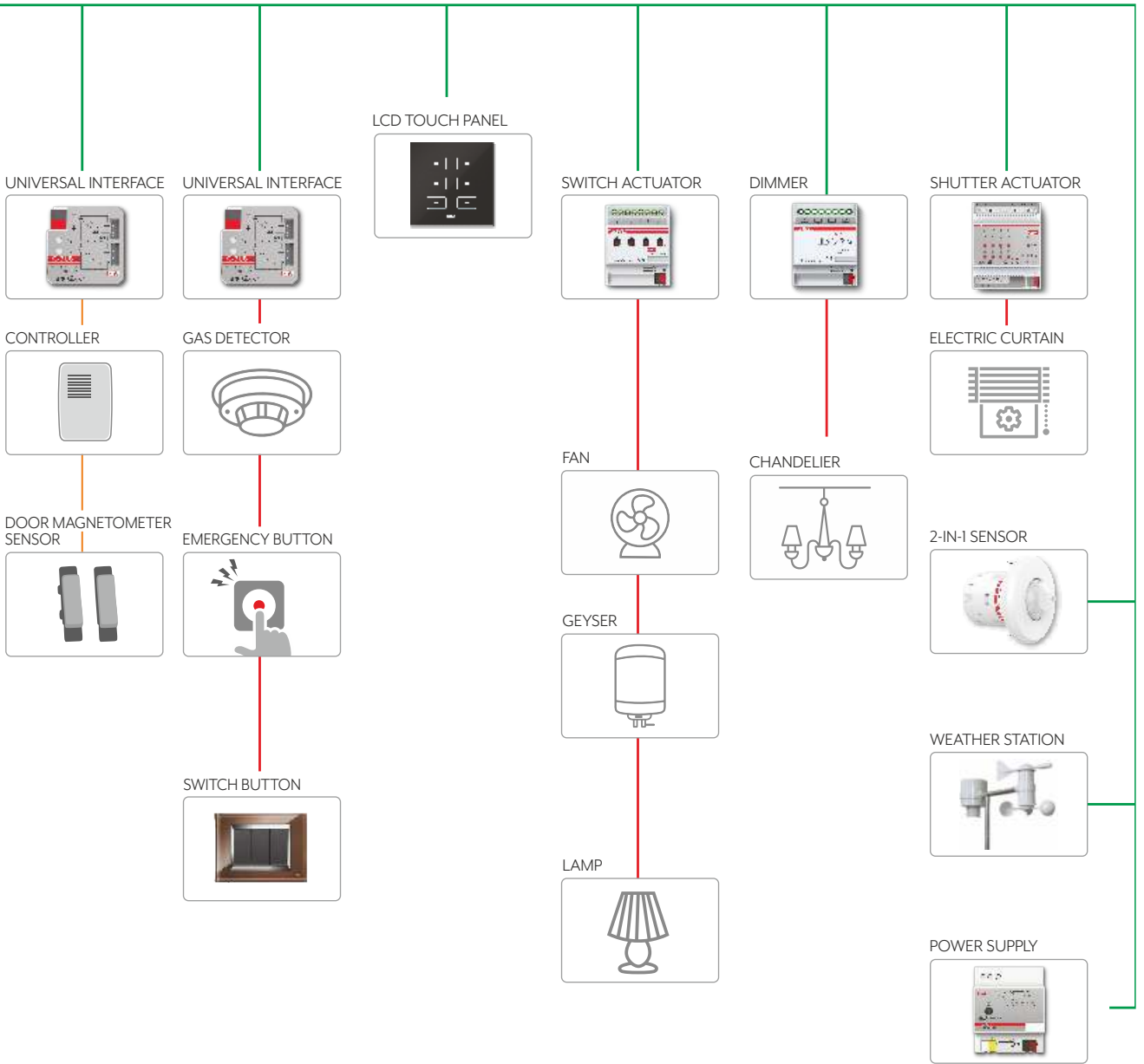
# Smart Home Solution



EXAMPLE









## Our Presence

- MUMBAI
- VIJAYAWADA
- AHMEDABAD
- BENGALURU
- CHANDIGARH
- CHENNAI
- HYDERABAD
- INDORE
- JAIPUR
- KOCHI
- KOLKATA
- NEW DELHI
- NOIDA
- PUNE
- SURAT



## GM Service & Assistance

A wide and brilliant range of products and accessories take the GM shelf. Catering to residences and commercial places, GM has been in the forefront of innovative home electrical solutions that have exceeded market requirements and expectations. GM persistently optimizes its range of services in the interest of all its customers. Assistance is catered to architects, planners, builders, and home dwellers making life easier. Support is always available for any concerns arising out of curiosity or technicality.

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## Giving you our best

GM has been extending innovative technology and luxury experiences for more than two decades. Our years of experience and expertise provide invaluable benefits for our production facility in Mumbai as well as in close co-operation with our global suppliers. It is of vital importance to us, that we only work with suppliers that share our commitment to high quality. That is why our association has always been with talented, creative designers who have a responsible attitude towards design. And, that is why we carefully select our suppliers so, that we can work closely with them and supervise the whole production affair.

To achieve a perfect balance between carefully selected raw materials, beautiful design, functionality and good value is our motto. Every little piece, detail, line and material has been meticulously considered to ensure that the end result will work wonders in your home.

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