



## Connected Smart Home



Scan the QR Code and find out all the technical informations.

### UNIQUE USER EXPERIENCE



The user can control all functions with ease via the APP, voice assistants and the innovative EGO SMART plate, which signals abnormal or alarm situations within the home (e.g., water or gas leaks) and allows the user to increase the control possibilities of smart functions.

### A COMPLETE RANGE OF FUNCTIONS



The system offers a wide range of functions to control safety, comfort and energy to meet all application needs.

### INTEGRATION WITH IOT DEVICES



Thanks to integration with the Google Home IoT platforms, Amazon Alexa and IFTTT, the system can also interoperate with all IoT devices and systems compatible with these platforms.

# Home & Building PRO

## HOME&BUILDING PRO SUPERVISION - KNX AND ZIGBEE

<b>Gateway</b>	 <b>GW A9 000</b> without license  <b>GW A9 002</b> with unlimited preloaded license	 <b>GW A9 001</b> Unlimited license for Smart Gateway	<b>Touch panels</b>	 <b>GW A9 007 CB</b> 7" panel - White	 <b>GW 90 802 A</b> Power-supply 24 V dc 2.5 A 100/240 V ac 50/60 Hz
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## SYSTEM COMPONENTS - KNX







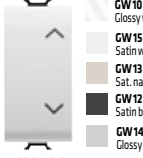
<b>Self-protected electronic power supplies</b>	 <b>GW 90 709</b> 320 mA 220-240 V ac - 50/60 Hz	 <b>GW 90 710</b> 640 mA 220-240 V ac - 50/60 Hz	<b>Complementary items</b>	 <b>GW 90 708 A</b> Line/field coupler	 <b>GW 90 706 B</b> KNX/USB interface	 <b>GW 90 706 U</b> KNX/USB stick interface	 <b>GW A9 705</b> KNX/IP interface	 <b>GW A9 707</b> KNX/IP router
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## COMMAND DEVICES - KNX

<b>TOUCH push-button panel module with interchangeable symbols</b>	 <b>GW A9 421</b> KNX 6-channel with interchangeable symbols	<b>ICE TOUCH KNX glass plates</b>		<ul style="list-style-type: none"> <li> <b>GW 16 946 CB</b> Glossy white</li> <li> <b>GW 16 946 CL</b> Glossy natural beige</li> <li> <b>GW 16 946 CN</b> Glossy black</li> <li> <b>GW 16 946 CT</b> Glossy titanium</li> </ul>
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<b>Contact interfaces</b>	 <b>GW 90 727</b> KNX 2-channel	 <b>GW 90 721 A</b> KNX 4-channel	 <b>GW 90 728</b> KNX 8-channel input module (4 digital + 4 universal)	 <b>GW 90 729</b> KNX 8-channel ac/dc voltage input module
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<b>LED signalling units</b>	 <b>GW 10 886</b> Blue <b>GW 10 887</b> White <b>GW 10 888</b> Red <b>GW 10 889</b> Green <b>GW 10 890</b> Amber	<b>Blanking modules</b>	 <ul style="list-style-type: none"> <li> <b>GW 10 751</b> Glossy white</li> <li> <b>GW 15 751</b> Satin white</li> <li> <b>GW 13 751</b> Sat. natural beige</li> <li> <b>GW 12 751</b> Satin black</li> <li> <b>GW 14 751</b> Glossy titanium</li> </ul>
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<b>Soft-click electronic push-buttons</b>	 <ul style="list-style-type: none"> <li> <b>GW 10 915</b> Glossy white</li> <li> <b>GW 15 915</b> Satin white</li> <li> <b>GW 13 915</b> Sat. natural beige</li> <li> <b>GW 12 915</b> Satin black</li> <li> <b>GW 14 915</b> Glossy titanium</li> </ul>	 <ul style="list-style-type: none"> <li> <b>GW 10 913</b> Glossy white</li> <li> <b>GW 15 913</b> Satin white</li> <li> <b>GW 13 913</b> Sat. natural beige</li> <li> <b>GW 12 913</b> Satin black</li> <li> <b>GW 14 913</b> Glossy titanium</li> </ul>	 <ul style="list-style-type: none"> <li> <b>GW 10 916</b> Glossy white</li> <li> <b>GW 15 916</b> Satin white</li> <li> <b>GW 13 916</b> Sat. natural beige</li> <li> <b>GW 12 916</b> Satin black</li> <li> <b>GW 14 916</b> Glossy titanium</li> </ul>	 <ul style="list-style-type: none"> <li> <b>GW 10 917</b> Glossy white</li> <li> <b>GW 15 917</b> Satin white</li> <li> <b>GW 13 917</b> Sat. natural beige</li> <li> <b>GW 12 917</b> Satin black</li> <li> <b>GW 14 917</b> Glossy titanium</li> </ul>	 <ul style="list-style-type: none"> <li> <b>GW 10 918</b> Glossy white</li> <li> <b>GW 15 918</b> Satin white</li> <li> <b>GW 13 918</b> Sat. natural beige</li> <li> <b>GW 12 918</b> Satin black</li> <li> <b>GW 14 918</b> Glossy titanium</li> </ul>	 <ul style="list-style-type: none"> <li> <b>GW 10 914</b> Glossy white</li> <li> <b>GW 15 914</b> Satin white</li> <li> <b>GW 13 914</b> Sat. natural beige</li> <li> <b>GW 12 914</b> Satin black</li> <li> <b>GW 14 914</b> Glossy titanium</li> </ul>
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## COMMAND DEVICES - KNX

**Push-button panels**

KNX 6-channel with interchangeable symbols

- GW 10 783 A Glossy white
- GW 15 783 A Satin white
- GW 13 783 A Sat. natural beige
- GW 12 783 A Satin black
- GW 14 783 A Glossy titanium

KNX 6-channel + switch actuator with interchangeable symbols

- GW 10 784 A Glossy white
- GW 15 784 A Satin white
- GW 13 784 A Sat. natural beige
- GW 12 784 A Satin black
- GW 14 784 A Glossy titanium

KNX 6-channel + roller shutter actuator with interchangeable symbols

- GW 10 785 A Glossy white
- GW 15 785 A Satin white
- GW 13 785 A Sat. natural beige
- GW 12 785 A Satin black
- GW 14 785 A Glossy titanium

KNX 4-channel with interchangeable symbols

- GW 10 787 Glossy white
- GW 15 787 Satin white
- GW 13 787 Sat. natural beige
- GW 12 787 Satin black
- GW 14 787 Glossy titanium

KNX 4-channel

- GW 10 782 Glossy white
- GW 15 782 Satin white
- GW 13 782 Sat. natural beige
- GW 12 782 Satin black
- GW 14 782 Glossy titanium

**Interchangeable button keys for push-button panels**

Button key - 1M To be completed with lens

- GW 10 551 Glossy white
- GW 15 551 Satin white
- GW 13 551 Sat. natural beige
- GW 12 551 Satin black
- GW 14 551 Glossy titanium

Button key - 2M To be completed with lens

- GW 10 552 Glossy white
- GW 15 552 Satin white
- GW 13 552 Sat. natural beige
- GW 12 552 Satin black
- GW 14 552 Glossy titanium

Button key - 1M To be completed with 2 lenses

- GW 10 553 Glossy white
- GW 15 553 Satin white
- GW 13 553 Sat. natural beige
- GW 12 553 Satin black
- GW 14 553 Glossy titanium

Button key - 2M To be completed with 2 lenses

- GW 10 554 Glossy white
- GW 15 554 Satin white
- GW 13 554 Sat. natural beige
- GW 12 554 Satin black
- GW 14 554 Glossy titanium

Button key - 1M With 2 diffusers

- GW 10 557 Glossy white
- GW 15 557 Satin white
- GW 13 557 Sat. natural beige
- GW 12 557 Satin black
- GW 14 557 Glossy titanium

Button key - 1M Complete with 2 lenses DND+MUR

- GW 10 559 Glossy white
- GW 15 559 Satin white
- GW 13 559 Sat. natural beige
- GW 12 559 Satin black
- GW 14 559 Glossy titanium

**Lenses with illuminating symbols**

GW 10 501 A Neutral	GW 10 502 A Light	GW 10 503 A Stair light	GW 10 504 A Table light	GW 10 505 A Bell	GW 10 506 A Burglar alarm	GW 10 507 A Key	GW 10 508 A ON OFF	GW 10 509 A ON	GW 10 510 A OFF	GW 10 511 A Socket-outlet
GW 10 512 A Dimmer	GW 10 513 A Dimmer increase	GW 10 514 A Dimmer decrease	GW 10 515 A Arrow	GW 10 516 A Open	GW 10 517 A Close	GW 10 518 A Roller shutter	GW 10 519 A Roller shutter up	GW 10 520 A Roller shutter down	GW 10 521 A Curtain open	GW 10 522 A Curtain close
GW 10 523 A Floor light	GW 10 524 A Ceiling light	GW 10 525 A Wall light	GW 10 526 A Aisle light	GW 10 527 A Scenario	GW 10 528 A Party	GW 10 529 A In	GW 10 530 A Out	GW 10 531 A Good morning	GW 10 532 A Good night	GW 10 533 A TV
GW 10 534 A Heating	GW 10 535 A Cooling	GW 10 536 A Heating/Cooling	GW 10 537 A Comfort	GW 10 538 A Precomfort	GW 10 539 A Economy	GW 10 540 A Auto	GW 10 541 A Do not disturb (DND)	GW 10 542 A Make up the room (MUR)		

## LIGHT/MOTION SENSORS - KNX

**Motion/Presence**

KNX IR motion detector with twilight sensor























- GW 10 786 Glossy white
- GW 15 786 Satin white
- GW 13 786 Sat. natural beige
- GW 12 786 Satin black
- GW 14 786 Glossy titanium

GW A9 531 A KNX presence detector

GW A9 543 Wall-mounting frame for KNX presence detector

GW A9 545 Plasterboard-mounting box for KNX presence detector

## ACTUATORS - KNX

Switch actuators		<b>GW 10 796</b> Glossy white <b>GW 15 796</b> Satin white <b>GW 13 796</b> Sat. natural beige <b>GW 12 796</b> Satin black <b>GW 14 796</b> Glossy titanium						
	KNX1-channel 16 A 1 NO/NC 230 V ac - 50/60 Hz		<b>GW 90 741</b> KNX4-channel 10 A 4 NO 230 V ac - 50/60 Hz	<b>GW 90 740 A</b> KNX4-channel 16 AX 4 NO 230 V ac - 50/60 Hz	<b>GW 90 742</b> KNX4-channel 16 AX with manual operation 4 NO 230 V ac - 50/60 Hz	<b>GW A9 108</b> KNX8-channel 10 AX 8 NO 230 V ac - 50/60 Hz	<b>GW A9 103</b> KNX3-channel 16 AX with energy meter 3 NO 230 V ac - 50/60 Hz	
Roller shutters actuators		<b>GW 10 797</b> Glossy white <b>GW 15 797</b> Satin white <b>GW 13 797</b> Sat. natural beige <b>GW 12 797</b> Satin black <b>GW 14 797</b> Glossy titanium			Fan-coil actuators			
	KNX1-channel 6 A 230 V ac - 50/60 Hz		<b>GW 90 856</b> KNX2-channel 6 A 230 V ac - 50/60 Hz	<b>GW 90 857</b> KNX3-channel 16 AX 230 V ac - 50/60 Hz		<b>GW A9 140</b> KNX fan-coil 230 V ac - 50 Hz	<b>GW A9 141</b> KNX fan-coil 0-10V 100-240 V ac - 50/60 Hz	<b>GW A9 145</b> Temperature probe sensor
Combined actuators		Dimmer actuators						
	<b>GW 90 730</b> KNX4-channel 10 A switch actuator + 4 universal inputs		<b>GW A9 126</b> KNX 6/12-channel 8 AX switch and roller shutter actuator 12 NO 230 V ac - 50/60 Hz	<b>GW A9 133</b> For electronic ballasts 1-10V KNX3-channel 16 AX 230 V ac - 50/60 Hz	<b>GW A9 301</b> Universal KNX1-channel 500 VA 230V ac - 50/60 Hz	<b>GW A9 302</b> Universal KNX2-channel 300 VA 230V ac - 50/60 Hz	<b>GW A9 303</b> Universal KNX2-channel 400W (or 1-channel 800W) 230 V ac - 50 Hz	
Dimmer actuators					<a href="http://www.MATERIALE-ELECTRICE.ro">www.MATERIALE-ELECTRICE.ro</a> <i>Consiliere specializata</i>			
	<b>GW A9 350</b> Bleeder	<b>GW 90 764</b> For CVD LED KNX4-channel 12-24 V dc	<b>GW 90 765</b> For CVD LED KNX4-channel 12-48 V dc	<b>GW 90 766</b> Booster for CVD LED dimmer 4x10A 12-24 V dc				

## TEMPERATURE CONTROL - KNX

Climate control		<b>GW 10 794 H</b> Glossy white <b>GW 15 794 H</b> Satin white <b>GW 13 794 H</b> Sat. natural beige <b>GW 12 794 H</b> Satin black <b>GW 14 794 H</b> Glossy titanium		<b>GW 10 795 H</b> Glossy white <b>GW 15 795 H</b> Satin white <b>GW 13 795 H</b> Sat. natural beige <b>GW 12 795 H</b> Satin black <b>GW 14 795 H</b> Glossy titanium			
	KNX timed thermostats/programmers with humidity management (*)						
	KNX thermostats with humidity management (*)						
		<b>GW 10 799</b> Glossy white <b>GW 15 799</b> Satin white <b>GW 13 799</b> Sat. natural beige <b>GW 12 799</b> Satin black <b>GW 14 799</b> Glossy titanium		<b>GW 10 799 H</b> Glossy white <b>GW 15 799 H</b> Satin white <b>GW 13 799 H</b> Sat. natural beige <b>GW 12 799 H</b> Satin black <b>GW 14 799 H</b> Glossy titanium		<b>GW 10 762 H</b> Glossy white <b>GW 15 762 H</b> Satin white <b>GW 13 762 H</b> Sat. natural beige <b>GW 12 762 H</b> Satin black <b>GW 14 762 H</b> Glossy titanium	
KNX temperature sensors		KNX temperature/humidity sensors		KNX temperature/humidity probe sensors		Temperature probe sensors	
		<b>GW 16 974 CB</b> Glossy white <b>GW 16 974 CN</b> Glossy black <b>GW 16 974 CT</b> Glossy titanium		<b>GW 16 976 CB</b> Glossy white <b>GW 16 976 CN</b> Glossy black <b>GW 16 976 CT</b> Glossy titanium			<b>GW 10 800</b> Temperature probe sensor
	KNX Thermo ICE thermostats 12-24 V ac/dc		KNX Thermo ICE thermostats 110/230 V ac - 50/60 Hz Wall-mounting		<b>GW 10 720</b> Power supply 100/240 V ac-50/60 Hz 12 V dc		

(\*) Not equipped with on boards humidity sensor

## WEATHER SENSORS - KNX

Devices				
	<b>GW 90 800</b> KNX weather station	<b>GW 90 883</b> KNX wind and rain sensor	<b>GW 90 884</b> KNX light intensity sensor	<b>GW 90 885</b> KNX temperature sensor

## ENERGY CONTROL - KNX

P-Comfort	KNX energy meters	Traditional energy meters	Interfaces
			
<b>GW A9 916</b> KNX P-Comfort 230 V ac - 50 Hz	<b>GW A9 801</b> KNX single-phase direct connection	<b>GW D6 801</b> Single-phase direct connection <b>GW D6 802</b> Single-phase direct connection MID	<b>GW D6 807</b> Three-phase direct connection MID <b>GW D6 809</b> Three-phase A.T. connection MID
			
			<b>GW 90 876</b> KNX interface for traditional energy meters

## COMPLEMENTARY ITEMS - KNX

Interfaces			
<b>GW 90 871</b> Gateway KNX/DMX	<b>GW 90 872 A (*)</b> Gateway KNX/DALI 64/16	<b>GW 90 873 (**)</b> Gateway KNX/DALI2 multimaster 64/16	

Accessories			
<b>GW 90 807</b> Connection terminal to BUS (red/black)	<b>GW 90 808</b> Connection terminal to SELV line (yellow/white)	<b>GW 90 584</b> KNX BUS cable 2 conductors 1x2x0.8 <b>GW 90 585</b> KNX BUS cable 4 conductors 2x2x0.8	

(\*) available until new code GW90873 is entered.  
(\*\*) for the date of availability, please contact the GEWISS Sales Organization.



## COMMAND DEVICES - ZIGBEE

Contact interfaces



GW A1 501  
2-channel potential-free  
Battery powered

GW A1 502  
2-channel  
230Vac - 50Hz

## ACTUATORS - ZIGBEE

Switch actuators



GW A1 521  
1-channel 10A potential-free  
230Vac - 50Hz

GW A1 522  
2-channel 6A  
230Vac - 50Hz



GW A1 523  
1-channel 10A with power meter  
230Vac - 50Hz

Roller shutters actuator



GW A1 531  
1-channel 6A  
230Vac - 50Hz

Smart plug



GW A1 526  
10A Schuko adapter  
with power meter  
230Vac

## LOAD MANAGEMENT - ZIGBEE

Load management kit



GW A1 911  
P-Comfort + 1 Smart plug



GW A1 912  
P-Comfort + 2 Smart plugs

Load management relay



GW A1 916  
P-Comfort  
230Vac - 50Hz

## SENSORS AND ALARMS - ZIGBEE

Sensors



GW A1 511  
Motion sensor  
Battery powered



GW A1 513  
Window sensor  
Battery powered

Alarms



GW A1 512  
Smoke sensor  
Battery powered



GW A1 514  
Water sensor  
Battery powered

Accessory for water sensor



GW A1 541  
Wall-mounting support for  
water sensor

## ACCESSORIES

ChoruSmart blanking modules



For housing contact interfaces  
and actuators  
Zigbee

- GW 10750 Glossy white
- GW 15750 Satin white
- GW 13750 Sat. natural beige
- GW 12750 Satin black
- GW 14750 Glossy titanium

# Home & Building PRO

## Home & Building PRO system

Wired system based on the KNX international standard protocol, suitable for advanced automation solutions for residential solutions and small-to-medium offices. The offer is highly customisable, complete with all functions and can be integrated with third-party devices and systems (video intercom, smart locks, entertainment). It can be controlled via the APP, voice assistants or touch panels. With Home and Building PRO, you can also manage ZigBee devices and communicate with the Google Home IoT platforms, Amazon Alexa and IFTTT.



## HOME AND BUILDING PRO SUPERVISION - KNX AND ZIGBEE

### SMART GATEWAY



GW A9 000

#### SMART GATEWAY

Code	Supply voltage	Colour	License type	Dimensions (mm)	Pack Carton
GW A9 000	12 V dc - 1 A	White	Without license	171x110x30	1
GW A9 002	12 V dc - 1 A	White	With unlimited license	171x110x30	1

**CHARACTERISTICS:** multiprotocol gateway provided with KNX, ZigBee, WiFi, Bluetooth (BLE) and LAN interfaces.

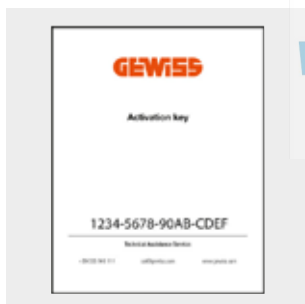
**APPLICATIONS:** the device allows to supervise, command and control the Home&Building automation system through the cloud, ensuring full integration and functional interoperability between different communication protocols. The management of the functions and the access to the data of the system is cloud-based and takes place through a dedicated App (for PC, smartphone and tablet).

**ACCESSORIES SUPPLIED:** plug power supply and brackets for DIN rail-mounting.

**NOTES:** table- or DIN rail-mounting.

GW A9000: the access to the cloud services is free of charge for a first period after the purchase. After that period, the payment of the service can be made in a lump sum or with annual tranches. Please, refer to the [www.gewiss.com](http://www.gewiss.com) website for more information or contact the Gewiss technical service.

GW A9002: smart gateway includes an unlimited preloaded license.



GW A9 001

#### SMART GATEWAY LICENSE

Code	Description	Pack Carton
GW A9 001	Unlimited license for Smart Gateway	1

**CHARACTERISTICS:** extends the license for the access to the GWA9000 Smart Gateway cloud services for an unlimited period.

### TOUCH PANELS



GW A9 007 CB

#### TOUCH PANEL - WITH H&B AUTOMATION SUPERVISION AND VIDEO ENTRYPHONE FUNCTIONS

Code	Supply voltage	Display	Colour	Dimensions LxHxD (mm)	Pack Carton
GW A9 007 CB	12-24 Vdc / PoE	7"	White	196x128x19	1/16

**CHARACTERISTICS:** the device combines the function of a command and supervision panel in a H&B automation system (together with Smart Gateway) and of video entryphone indoor unit with speakerphone (together with 2N IP video entryphone outdoor units). Supply voltage via Power over Ethernet - PoE (IEEE 802.3af) or, as an alternative, with external power supply (eg: GW90802). The panel is based on SIP protocol with H.264 video coding.

**NOTES:** wall-mounting. To fix it, use flush-mounting Ø60mm round (eg: GW24232), square (eg: GW24231) or rectangular (eg: GW24403) boxes with the aid of the supplied wall metal bracket.



GW 90 802 A

## POWER SUPPLY 24 V DC - 2,5 A - DIN RAIL MOUNTING

Code	Input voltage	Output voltage	No. DIN modules	Pack Carton
GW 90 802 A	100 ÷ 240 V ac - 50/60 Hz	24V dc - 2.5 A	3	1

**CHARACTERISTICS:** protected against input overvoltages and output short-circuiting.  
**NOTES:** to supply 7" touch panels.

## SYSTEM COMPONENTS - KNX

### POWER SUPPLIES



GW 90 710

## SELF-PROTECTED ELECTRONIC POWER SUPPLIES 220-240V - IP20 - DIN RAIL MOUNTING

Code	Output voltage	Current supplied (max)	No. DIN modules	Pack Carton
GW 90 709	30V dc +/- 2V (SELV)	320 mA	4	1
GW 90 710	30V dc +/- 2V (SELV)	640 mA	4	1

**CHARACTERISTICS:** integrated coil to uncouple the power supply from the BUS line.  
Reset push-button for restoring all the devices connected to the BUS line.  
**APPLICATIONS:** the power supply feeds and controls the BUS voltage.  
**NOTES:** equipped with coupling terminal for connection to BUS (with protection lid).  
The maximum number of devices that can be powered is calculated on the basis of their absorption.

### COMPLEMENTARY ITEMS



GW 90 708 A

## LINE/FIELD COUPLING - IP20 - DIN RAIL MOUNTING

Code	Functions	No. DIN modules	Pack Carton
GW 90 708 A	Coupler - Repeater	2	1/4

**APPLICATIONS:** for the logic connection and the galvanic separation of lines and areas (fields).  
**NOTES:** equipped with 2 coupling terminals for connection to BUS.



GW 90 706 B

## KNX/USB INTERFACE - IP20 - DIN RAIL MOUNTING

Code	Max USB cable length	No. DIN modules	Pack Carton
GW 90 706 B	5 m	1	1

**CHARACTERISTICS:** equipped with B-type USB port.  
**APPLICATIONS:** for the connection of a PC with a USB port to the KNX BUS.  
**NOTES:** equipped with coupling terminal for connection to bus.





GW 90 706 U

### KNX/USB STICK INTERFACE - IP20

Code	Description	Dimensions LxHxD (mm)	Pack Carton
GW 90 706 U	USB key	60x19x13	1

**CHARACTERISTICS:** equipped with A-type USB connector.

**APPLICATIONS:** for the connection of a PC with a USB port to the KNX BUS.

**NOTES:** equipped with screw terminal for connection to the bus.



GW A9 707

### KNX/IP ROUTER - IP20 - DIN RAIL MOUNTING

Code	Description	Max power consumption	No. DIN modules	Pack Carton
GW A9 707	KNX/IP router	<500 mW	1	1/8

**CHARACTERISTICS:** equipped with RJ45 port.

**APPLICATIONS:** for connecting the KNX lines to the IP backbones and the PC interface via LAN to the KNX BUS. Supports up to 5 simultaneous connections.

**NOTES:** equipped with coupling terminal for connection to bus.



GW A9 705

### KNX/IP INTERFACE - IP20 - DIN RAIL MOUNTING

Code	Description	Max power consumption	No. DIN modules	Pack Carton
GW A9 705	KNX/IP interface	<500 mW	1	1/8

**CHARACTERISTICS:** equipped with RJ45 port.

**APPLICATIONS:** for connecting a PC via LAN to the KNX BUS. Supports up to 5 simultaneous connections. To be used with the HAPPY HOME app for smartphones and tablets (available for Android and iOS) to manage the KNX domotic system via LAN and WiFi access points, or from a distance. The app can also be used with the codes GW90767 and GW90767AP.

**NOTES:** equipped with coupling terminal for connection to bus.

## COMMAND DEVICES - KNX

### TOUCH PUSH-BUTTON PANELS



GW A9 421

### KNX 6-CHANNEL TOUCH PUSH-BUTTON PANEL MODULE WITH INTERCHANGEABLE SYMBOLS

Code	No. channels	No. modules	Pack Carton
GW A9 421	6	3	1

**CHARACTERISTICS:** KNX module with 6 independent channels. Each channel is associated with an RGB night-time backlight LED or a status display LED for the commanded load. Each channel can be personalised using a set of adhesive icons. To be completed with the glass ICE Touch KNX plate (code GW16946CB, GW16946CN, GW16946CT, GW16946CL). The device's touch commands can only be activated with the plate mounted: therefore, to configure the module the ICE Touch KNX plates or alternative the test plate (GW16950) must be used. To be configured with ETS software.

**APPLICATIONS:** used for sending ON-OFF commands with fronts management, switching commands and sequences, timed commands, multiple pressing, priority commands, commands for managing roller shutters (single or double push-button), dimmers (single or double push-button) and scenes (storage and activation).

**NOTES:** equipped with coupling terminal with protection lid, for connection to BUS, and with set of icons to personalise the functions of each channel.



GW 16 946 CB

## ICE TOUCH KNX - WHITE

Code	Description	For support codes	Pack Carton
GW 16 946 CB	6 touch areas	GW16803, GW16803N	1

**CHARACTERISTICS:** plates made of glass with a glossy finish, to match the KNX touch-panel modules (GWA9421).

**NOTES:** the symbols shown in the image are purely indicative: they can be customised using the adhesive icons supplied with the touch-panel module. The plate code is unique, regardless of the number of channels to be activated (from 1 to 6).



GW 16 946 CN

## ICE TOUCH KNX - BLACK

Code	Description	For support codes	Pack Carton
GW 16 946 CN	6 touch areas	GW16803, GW16803N	1

**CHARACTERISTICS:** plates made of glass with a glossy finish, to match the KNX touch-panel modules (GWA9421).

**NOTES:** the symbols shown in the image are purely indicative: they can be customised using the adhesive icons supplied with the touch-panel module. The plate code is unique, regardless of the number of channels to be activated (from 1 to 6).



GW 16 946 CT

## ICE TOUCH KNX - TITANIUM

Code	Description	For support codes	Pack Carton
GW 16 946 CT	6 touch areas	GW16803, GW16803N	1

**CHARACTERISTICS:** plates made of glass with a glossy finish, to match the KNX touch-panel modules (GWA9421).

**NOTES:** the symbols shown in the image are purely indicative: they can be customised using the adhesive icons supplied with the touch-panel module. The plate code is unique, regardless of the number of channels to be activated (from 1 to 6).



GW 16 946 CL

## ICE TOUCH KNX - NATURAL BEIGE

Code	Description	For support codes	Pack Carton
GW 16 946 CL	6 touch areas	GW16803, GW16803N	1

**CHARACTERISTICS:** plates in glass and with a glossy finish, used to complete the KNX touch panel modules (GWA9421). The plates are equipped with 6 capacitive touch areas.

**NOTES:** the symbols shown in the image are purely indicative: they can be customised using the adhesive icons supplied with the touch-panel module. The plate code is unique, regardless of the number of channels to be activated (from 1 to 6).



GW 16 950

## TEST PLATE FOR KNX 6-CHANNELS TOUCH PANEL MODULES WITH INTERCHANGEABLE SYMBOLS

Code	Description	For support codes	Pack Carton
GW 16 950	Test plate	GW16803, GW16803N	12

**CHARACTERISTICS:** transparent plastic plate with 6 capacitive touch areas.

**NOTES:** to be used for configuring the KNX touch panel module (GWA9421) if the KNX ICE touch glass plates are not available in the installation.

## CONTACT INTERFACES



GW 90 721 A

### KNX 2- AND 4-CHANNEL CONTACTS INTERFACES

Code	No. input channels	No. output channels	Max cable length	Dimensions LxHxD (mm)	Pack Carton
GW 90 727	2	2	10 m	38x32x14	1
GW 90 721 A	4	4	10 m	38x32x14	1

**CHARACTERISTICS:** BUS interfaces for connecting 2 or 4 push-buttons or conventional potential-free contacts. The reading voltage (SELV) is generated inside the device. For each input, an output is available for powering a low absorption LED (lower than 1mA such as, for example, GW10886, GW10887, GW10888, GW10889, GW10890) for displaying the status of the load commanded. To be configured with ETS software.

**APPLICATIONS:** for sending ON-OFF commands with fronts management, switching commands and sequences, brief / prolonged contact closure management, timed commands, priority commands, commands for managing roller shutters (single or double push-button), dimmers (single or double push-button), scenes (storage and activation), impulse count, output LED control, acquisition of temperature values via NTC sensor (GW90721A only). Installation in flush-mounting box, junction boxes or embedded in the blanking modules GW1x751. The slot on the plastic casing also allows it to be fixed with screws.

**NOTES:** equipped with coupling terminal for connection to the BUS, and unshielded cables for connecting the inputs, of length 30 cm extendible to 10m with unshielded twisted cable.



GW 90 728

### KNX 8-CHANNEL (4 DIGITAL + 4 UNIVERSAL) INPUT MODULE - IP20 - DIN RAIL MOUNTING

Code	No. input channels	No. universal input channels	No. output channels	No. DIN modules	Pack Carton
GW 90 728	4	4	4	4	1

**CHARACTERISTICS:** the module has 4 digital inputs for push-buttons or conventional potential-free contacts and 4 universal input channels. The universal input channels can be configured as inputs for push-buttons or conventional potential-free contacts, analogue inputs (0..20mA, 4..20mA, 0..10V, 0..1V), digital inputs for measurement devices with S0 interface, inputs for NTC probe sensors that can be used for controlling the same number of thermoregulation areas. The module is provided also with 4 PWM outputs for LEDs (3.3V) for signalling the status of the loads. The device has 8 amber LEDs for signalling the status of the inputs. To be configured with ETS software.

**APPLICATIONS:** the input channels are used for sending ON-OFF commands with fronts management, switching commands and sequences, brief / prolonged contact closure management, timed commands, priority commands, commands for managing roller shutters (single or double push-button), dimmers (single or double push-button), scenes (storage and activation), impulse count.

**NOTES:** equipped with coupling terminal for connection to BUS (with protection lid).



GW 90 729

### KNX 8-CHANNEL AC/DC VOLTAGE INPUT MODULE - IP20 - DIN RAIL MOUNTING

Code	No. input channels	Input voltage	Max cable length	No. DIN modules	Pack Carton
GW 90 729	8	24-48 V dc, 24-230 V ac	100 m	4	1

**CHARACTERISTICS:** BUS interface module for connecting 8 push-buttons or conventional live contacts. The device has 8 amber LEDs for signalling the status of the inputs. To be configured with ETS software.

**APPLICATIONS:** for sending ON-OFF commands with fronts management, switching commands and sequences, brief / prolonged contact closure management, timed commands, priority commands, commands for managing roller shutters (single or double push-button), dimmers (single or double push-button), scenes (storage and activation), impulse count.

**NOTES:** equipped with coupling terminal for connection to BUS (with protection lid).



GW 10 886

### LED SIGNALLING UNITS

Code	Supply voltage	Lamp	Colour	Cable Colour	Pack Carton
GW 10 886	3.3V dc	LED	Blue	Blue - Black	50
GW 10 887	3.3V dc	LED	White	White - Black	50
GW 10 888	3.3V dc	LED	Red	Red - Black	50
GW 10 889	3.3V dc	LED	Green	Green - Black	50
GW 10 890	3.3V dc	LED	Amber	Amber - Black	50

**NOTES:** the miniature lamps are equipped with power cables.

If connected with the interfaces GW90721, GW90834, GW90721A, GW90727, GW90834A, GW90833 they do not require the use of a current limiting resistance. In this case, the maximum current consumption is less than 1mA.



GW 14 751

### BLANKING MODULES FOR HOUSING 2- AND 4-CHANNEL CONTACTS INTERFACE

Code	Colour	No. modules	Pack Carton
GW 10 751	Glossy white	1	5/200
GW 15 751	Satin White	1	5/200
GW 13 751	Natural satin beige	1	5/200
GW 12 751	Satin black	1	5/200
GW 14 751	Glossy Titanium	1	5/200

**CHARACTERISTICS:** 1 module blanking module with pad printing KNX/EIB.

Allows the housing and fast identification of the 2- and 4-channel contact interface.

**NOTES:** embedded coupling.

PUSH-BUTTON PANELS



GW 14 783 A



GW 14 784 A



GW 14 785 A



GW 14 787

KNX 6-CHANNEL PUSH-BUTTON PANELS WITH INTERCHANGEABLE SYMBOLS

Code	Colour	No. channels	No. modules	Pack Carton
GW 10 783 A	Glossy white	6	3	1
GW 15 783 A	Satin White	6	3	1
GW 13 783 A	Natural satin beige	6	3	1
GW 12 783 A	Satin black	6	3	1
GW 14 783 A	Glossy Titanium	6	3	1

**CHARACTERISTICS:** KNX module with 6 independent channels, with replaceable button keys and built-in temperature sensor. Each channel is associated with an amber/green night-time locating LED or a status display LED for the commanded load. To be configured with ETS software. The package includes 3 replaceable button keys (GW1x553) and 10 lenses with illuminated symbols (2 x GW10502A, 1 x GW10509A, 1 x GW10510A, 1 x GW10513A, 1 x GW10514A, 1 x GW10519A, 1 x GW10520A, 1 x GW10529A, 1 x GW10530A). You can still customize the module with other type of replaceable button keys (suited for 1 or 2 lenses, with 2 diffusers, 1- or 2-module) or with other lenses in the catalogue.

**APPLICATIONS:** allows you to send ON-OFF commands with fronts management, switching commands and sequences, brief/prolonged contact closure management, timed commands, priority commands, commands for roller shutter management (single or double push-button), dimmers (single or double push-button) and scenes (memorisation and activation).

**NOTES:** equipped with coupling terminal for connection to BUS (with protection lid).

KNX 6-CHANNEL PUSH-BUTTON PANELS WITH INTERCHANGEABLE SYMBOLS + SWITCH ACTUATOR

Code	Colour	No. channels	Output contacts	No. modules	Pack Carton
GW 10 784 A	Glossy white	6+1	1NO/NC 10A(AC1) 230Vac	3	1
GW 15 784 A	Satin White	6+1	1NO/NC 10A(AC1) 230Vac	3	1
GW 13 784 A	Natural satin beige	6+1	1NO/NC 10A(AC1) 230Vac	3	1
GW 12 784 A	Satin black	6+1	1NO/NC 10A(AC1) 230Vac	3	1
GW 14 784 A	Glossy Titanium	6+1	1NO/NC 10A(AC1) 230Vac	3	1

**CHARACTERISTICS:** KNX module with 6 independent channels, with replaceable button keys and 1-channel switch actuator. Each channel is associated with an amber/green night-time locating LED or a status display LED for the commanded load. One pair of keys can be used for local actuator command. The actuator manages the load via a potential-free output contact (NO). To be configured with ETS software. The package includes 3 replaceable button keys (GW1x553) and 10 lenses with illuminated symbols (2 x GW10502A, 1 x GW10509A, 1 x GW10510A, 1 x GW10513A, 1 x GW10514A, 1 x GW10519A, 1 x GW10520A, 1 x GW10529A, 1 x GW10530A). You can still customize the module with other type of replaceable button keys (suited for 1 or 2 lenses, with 2 diffusers, 1- or 2-module) or with other lenses in the catalogue.

**APPLICATIONS:** the push-button panel allows you to send ON-OFF commands with fronts management, switching commands and sequences, brief/prolonged contact closure management, timed commands, priority commands, commands for roller shutter management (single or double push-button), dimmers (single or double push-button) and scenes (memorisation and activation). The actuator allows the execution of ON-OFF commands, timed commands with pre-alarm at switch-off, priority commands and scene management commands.

**NOTES:** equipped with coupling terminal for connection to BUS (with protection lid).

KNX 6-CHANNEL PUSH-BUTTON PANELS WITH INTERCHANGEABLE SYMBOLS + ROLLER SHUTTER ACTUATOR

Code	Colour	No. channels	Max current supplied	No. modules	Pack Carton
GW 10 785 A	Glossy white	6+1	6A-230V ac (compl. 60669-2-1)	3	1
GW 15 785 A	Satin White	6+1	6A-230V ac (compl. 60669-2-1)	3	1
GW 13 785 A	Natural satin beige	6+1	6A-230V ac (compl. 60669-2-1)	3	1
GW 12 785 A	Satin black	6+1	6A-230V ac (compl. 60669-2-1)	3	1
GW 14 785 A	Glossy Titanium	6+1	6A-230V ac (compl. 60669-2-1)	3	1

**CHARACTERISTICS:** KNX module with 6 independent channels, with replaceable button keys and 1-channel roller shutter actuator. Each channel is associated with an amber/green night-time locating LED or a status display LED for the commanded load. One pair of keys can be used for local actuator command. The actuator manages a motor to move roller-shutters, curtains, venetian blinds, rolling blinds, etc. via 2 potential-free interlocked output contacts (NO). To be configured with ETS software. The package includes 3 replaceable button keys (GW1x553) and 10 lenses with illuminated symbols (2 x GW10502A, 1 x GW10509A, 1 x GW10510A, 1 x GW10513A, 1 x GW10514A, 1 x GW10519A, 1 x GW10520A, 1 x GW10529A, 1 x GW10530A). You can still customize the module with other type of replaceable button keys (suited for 1 or 2 lenses, with 2 diffusers, 1- or 2-module) or with other lenses in the catalogue.

**APPLICATIONS:** the push-button panel allows you to send ON-OFF commands with fronts management, switching commands and sequences, brief/prolonged contact closure management, timed commands, priority commands, commands for roller shutter management (single or double push-button), dimmers (single or double push-button) and scenes (memorisation and activation). The actuator allows the execution of commands of movements/adjustment/stopping, along with priority commands, scene management and alarm signalling commands.

**NOTES:** equipped with coupling terminal for connection to BUS (with protection lid).

KNX 4-CHANNEL PUSH-BUTTON PANELS WITH INTERCHANGEABLE SYMBOLS

Code	Colour	No. channels	No. modules	Pack Carton
GW 10 787	Glossy white	4	2	1
GW 15 787	Satin White	4	2	1
GW 13 787	Natural satin beige	4	2	1
GW 12 787	Satin black	4	2	1
GW 14 787	Glossy Titanium	4	2	1

**CHARACTERISTICS:** KNX module with 4 independent channels, with replaceable button keys. Each channel is associated with a RGB LED for night-time locating or status display for the commanded load. To be configured with ETS software. The package includes 2 replaceable button keys (GW1x553) and 10 lenses with illuminated symbols (2 x GW10502A, 1 x GW10509A, 1 x GW10510A, 1 x GW10513A, 1 x GW10514A, 1 x GW10519A, 1 x GW10520A, 1 x GW10529A, 1 x GW10530A). You can still customize the module with other type of replaceable button keys (arranged for 1 or 2 lenses, with 2 diffusers, 1 or 2 modules) or with other lenses in the catalogue.

**APPLICATIONS:** allows you to send ON-OFF commands with fronts management, switching commands and sequences, brief/prolonged contact closure management, timed commands, priority commands, commands for roller shutter management (single or double push-button), dimmers (single or double push-button) and scenes (memorisation and activation).

**NOTES:** equipped with coupling terminal for connection to BUS (with protection lid).



GW 14 553

## REPLACEABLE BUTTON KEYS FOR PUSH-BUTTON PANELS

Code	Colour	Button key	No. modules	Pack Carton
GW 10 551	Glossy white	To be completed with lens	1	4/48
GW 15 551	Satin White	To be completed with lens	1	4/48
GW 13 551	Natural satin beige	To be completed with lens	1	4/48
GW 12 551	Satin black	To be completed with lens	1	4/48
GW 14 551	Glossy Titanium	To be completed with lens	1	4/48
GW 10 552	Glossy white	To be completed with lens	2	4/48
GW 15 552	Satin White	To be completed with lens	2	4/48
GW 13 552	Natural satin beige	To be completed with lens	2	4/48
GW 12 552	Satin black	To be completed with lens	2	4/48
GW 14 552	Glossy Titanium	To be completed with lens	2	4/48
GW 10 553	Glossy white	To be completed with 2 lenses	1	4/48
GW 15 553	Satin White	To be completed with 2 lenses	1	4/48
GW 13 553	Natural satin beige	To be completed with 2 lenses	1	4/48
GW 12 553	Satin black	To be completed with 2 lenses	1	4/48
GW 14 553	Glossy Titanium	To be completed with 2 lenses	1	4/48
GW 10 554	Glossy white	To be completed with 2 lenses	2	4/48
GW 15 554	Satin White	To be completed with 2 lenses	2	4/48
GW 13 554	Natural satin beige	To be completed with 2 lenses	2	4/48
GW 12 554	Satin black	To be completed with 2 lenses	2	4/48
GW 14 554	Glossy Titanium	To be completed with 2 lenses	2	4/48
GW 10 557	Glossy white	With 2 diffusers	1	4/48
GW 15 557	Satin White	With 2 diffusers	1	4/48
GW 13 557	Natural satin beige	With 2 diffusers	1	4/48
GW 12 557	Satin black	With 2 diffusers	1	4/48
GW 14 557	Glossy Titanium	With 2 diffusers	1	4/48

**NOTES:** to be used to customise the 6 and 4 channels KNX push-button panels (GW1x783A, GW1x784A, GW1x785A, GW1x787).



GW 14 559

## REPLACEABLE BUTTON KEYS FOR PUSH-BUTTON PANELS - HOTEL SOLUTIONS

Code	Colour	Button key	Symbol	No. modules	Pack Carton
GW 10 559	Glossy white	Complete of 2 lenses	DND+MUR	1	1/48
GW 15 559	Satin White	Complete of 2 lenses	DND+MUR	1	1/48
GW 13 559	Natural satin beige	Complete of 2 lenses	DND+MUR	1	1/48
GW 12 559	Satin black	Complete of 2 lenses	DND+MUR	1	1/48
GW 14 559	Glossy Titanium	Complete of 2 lenses	DND+MUR	1	1/48

**CHARACTERISTICS:** equipped with "Do not disturb" and "Make up the room" pad printing. Complete with lenses with illuminated symbols.

**NOTES:** to be used to customise the 6 and 4 channels KNX push-button panels (GW1x783A, GW1x784A, GW1x785A, GW1x787).



ZC6

## LENSES WITH ILLUMINATED SYMBOLS

Code	Symbol	Pack Carton
GW 10 501 A	Neutral	24
GW 10 502 A	Light	24
GW 10 503 A	Stair light	24
GW 10 504 A	Table light	24
GW 10 505 A	Bell	24
GW 10 506 A	Burglar alarm	24
GW 10 507 A	Key	24
GW 10 508 A	ON OFF	24
GW 10 509 A	ON	24
GW 10 510 A	OFF	24
GW 10 511 A	Socket-outlet	24
GW 10 512 A	Dimmers	24
GW 10 513 A	Dimmer increase	24
GW 10 514 A	Dimmer decrease	24
GW 10 515 A	Arrow	24
GW 10 516 A	Open	24
GW 10 517 A	Close	24
GW 10 518 A	Roller shutter	24
GW 10 519 A	Roller shutter up	24
GW 10 520 A	Roller shutter down	24
GW 10 521 A	Curtain open	24
GW 10 522 A	Curtain close	24
GW 10 523 A	Floor light	24
GW 10 524 A	Ceiling light	24
GW 10 525 A	Wall light	24
GW 10 526 A	Aisle light	24
GW 10 527 A	Scenario	24
GW 10 528 A	Party	24
GW 10 529 A	In	24
GW 10 530 A	Out	24
GW 10 531 A	Good morning	24
GW 10 532 A	Good night	24
GW 10 533 A	TV	24
GW 10 534 A	Heating	24
GW 10 535 A	Cooling	24
GW 10 536 A	Heating/Cooling	24
GW 10 537 A	Comfort	24
GW 10 538 A	Precomfort	24
GW 10 539 A	Economy	24
GW 10 540 A	Auto	24
GW 10 541 A	Do not disturb	24
GW 10 542 A	Make up the room	24

**NOTES:** to be used to customise the buttons for the 6- and 4-channel KNX push-button panel (GW1x783A, GW1x784A, GW1x785A, GW1x787).





GW 14 782

## KNX 4-CHANNEL PUSH-BUTTON PANELS

Code	Colour	No. channels	No. modules	Pack Carton
GW 10 782	Glossy white	4	2	1
GW 15 782	Satin White	4	2	1
GW 13 782	Natural satin beige	4	2	1
GW 12 782	Satin black	4	2	1
GW 14 782	Glossy Titanium	4	2	1

**CHARACTERISTICS:** push-button panel with 4 button keys/4 channels. Each button key is associated with an amber LED for night-time backlight, and a green LED to display the status of the commanded load. To be configured with ETS software.

**APPLICATIONS:** allows you to send ON-OFF commands with fronts management, switchover commands, timed commands, commands for roller shutter management (single or double push-button), dimmers (single or double push-button) and scenes (memorisation and activation).

**NOTES:** equipped with coupling terminal with protection lid, for connection to BUS, and with set of icons to personalise the button key functions.

## SOFT-CLICK ELECTRONIC PUSH-BUTTONS



GW 14 915

### UNIVERSAL SOFT-CLICK ELECTRONIC PUSH-BUTTONS

Code	Colour	Type of contact	Button key	Type of use	No. modules	Pack Carton
GW 10 915	Glossy white	1NO/NC 4A (AC1) 230 V ac - Potential-free	Neutral	Relay, dimmer, bus contacts interfaces 1	1/12	1/12
GW 15 915	Satin White	1NO/NC 4A (AC1) 230 V ac - Potential-free	Neutral	Relay, dimmer, bus contacts interfaces 1	1/12	1/12
GW 13 915	Natural satin beige	1NO/NC 4A (AC1) 230 V ac - Potential-free	Neutral	Relay, dimmer, bus contacts interfaces 1	1/12	1/12
GW 12 915	Satin black	1NO/NC 4A (AC1) 230 V ac - Potential-free	Neutral	Relay, dimmer, bus contacts interfaces 1	1/12	1/12
GW 14 915	Glossy Titanium	1NO/NC 4A (AC1) 230 V ac - Potential-free	Neutral	Relay, dimmer, bus contacts interfaces 1	1/12	1/12

**CHARACTERISTICS:** push-button suitable for connection of KNX BUS contacts interfaces, or the command of bistable relays, electronic one-way switches for heavy duty loads, or dimmers with a remote control input.



GW 14 913

### BACKLIT SOFT-CLICK ELECTRONIC PUSH-BUTTONS FOR BUS INPUTS

Code	Colour	Type of contact	Button key	Type of use	No. modules	Pack Carton
GW 10 913	Glossy white	1NO - Potential-free	With diffuser	Bus contacts interfaces	1	1/12
GW 15 913	Satin White	1NO - Potential-free	With diffuser	Bus contacts interfaces	1	1/12
GW 13 913	Natural satin beige	1NO - Potential-free	With diffuser	Bus contacts interfaces	1	1/12
GW 12 913	Satin black	1NO - Potential-free	With diffuser	Bus contacts interfaces	1	1/12
GW 14 913	Glossy Titanium	1NO - Potential-free	With diffuser	Bus contacts interfaces	1	1/12
GW 10 916	Glossy white	1NO - Potential-free	With replaceable neutral lens	Bus contacts interfaces	1	1/12
GW 15 916	Satin White	1NO - Potential-free	With replaceable neutral lens	Bus contacts interfaces	1	1/12
GW 13 916	Natural satin beige	1NO - Potential-free	With replaceable neutral lens	Bus contacts interfaces	1	1/12
GW 12 916	Satin black	1NO - Potential-free	With replaceable neutral lens	Bus contacts interfaces	1	1/12
GW 14 916	Glossy Titanium	1NO - Potential-free	With replaceable neutral lens	Bus contacts interfaces	1	1/12
GW 10 917	Glossy white	1NO - Potential-free	With diffuser	Bus contacts interfaces	2	1/6
GW 15 917	Satin White	1NO - Potential-free	With diffuser	Bus contacts interfaces	2	1/6
GW 13 917	Natural satin beige	1NO - Potential-free	With diffuser	Bus contacts interfaces	2	1/6
GW 12 917	Satin black	1NO - Potential-free	With diffuser	Bus contacts interfaces	2	1/6
GW 14 917	Glossy Titanium	1NO - Potential-free	With diffuser	Bus contacts interfaces	2	1/6
GW 10 918	Glossy white	1NO - Potential-free	With replaceable neutral lens	Bus contacts interfaces	2	1/6
GW 15 918	Satin White	1NO - Potential-free	With replaceable neutral lens	Bus contacts interfaces	2	1/6
GW 13 918	Natural satin beige	1NO - Potential-free	With replaceable neutral lens	Bus contacts interfaces	2	1/6
GW 12 918	Satin black	1NO - Potential-free	With replaceable neutral lens	Bus contacts interfaces	2	1/6
GW 14 918	Glossy Titanium	1NO - Potential-free	With replaceable neutral lens	Bus contacts interfaces	2	1/6

**CHARACTERISTICS:** push-button for BUS inputs, suitable for KNX BUS contact interface connections. Equipped with 2-colour (amber/green) LED with colour selector (can be set up to work as a night-time localisation lamp or to indicate the load status).

### DUAL SOFT-CLICK ELECTRONIC PUSH-BUTTONS

Code	Colour	Type of contact	Button key	Symbol	No. modules	Pack Carton
GW 10 914	Glossy white	Dual, potential-free and with interlock	Neutral	UP - DOWN	1	1/12
GW 15 914	Satin White	Dual, potential-free and with interlock	Neutral	UP - DOWN	1	1/12
GW 13 914	Natural satin beige	Dual, potential-free and with interlock	Neutral	UP - DOWN	1	1/12
GW 12 914	Satin black	Dual, potential-free and with interlock	Neutral	UP - DOWN	1	1/12
GW 14 914	Glossy Titanium	Dual, potential-free and with interlock	Neutral	UP - DOWN	1	1/12

**CHARACTERISTICS:** double push-button suitable for connection of KNX BUS contacts interfaces or electronic control panels for moving roller shutters.



GW 14 914

## MOVEMENT/LIGHT SENSORS - KNX

### MOVEMENT



GW 14 786

#### KNX IR MOTION DETECTORS WITH TWILIGHT SENSOR

Code	Colour	Recovery time	Threshold adjustment	No. modules	Pack Carton
GW 10 786	Glossy white	10s - 1min	10 - 500 lux	2	1
GW 15 786	Satin White	10s - 1min	10 - 500 lux	2	1
GW 13 786	Natural satin beige	10s - 1min	10 - 500 lux	2	1
GW 12 786	Satin black	10s - 1min	10 - 500 lux	2	1
GW 14 786	Glossy Titanium	10s - 1min	10 - 500 lux	2	1

**CHARACTERISTICS:** movement sensor with detection conditioned by the light threshold value set. Adjustable lens. Operating range: 10m. Vertical bearing angle: 30°. Horizontal bearing angle: 105°. Light threshold value adjustable by means of the frontal access trimmer or ETS parameter. The cycle time can be set via ETS and modified ( $\pm 50\%$ ) via the front access trimmer. Front green LED signals movement detection and command entry. To be configured with ETS software.

**APPLICATIONS:** allows you to send timed commands to the movement detector.

The device is able to manage a safety pause upon the deactivation of the controlled load. For installation indoors.

**NOTES:** equipped with coupling terminal for connection to BUS (with protection lid).



GW A9 531 A

#### KNX PRESENCE DETECTOR WITH CONSTANT BRIGHTNESS CONTROL - CEILING MOUNTING

Code	Max. assembly height (m)	Light sensor	Dimensions (mm)	Colour	Pack Carton
GW A9 531 A	6	5...2000 lux	Ø 105x44	White	1

**CHARACTERISTICS:** with 3 PIR sensors and a 360° circular shape operating range. Max. presence detection range: from 4 up to 8m, max. motion detection range: from 10 to 16m depending on the installation height and the type of approach (tangential or radial). Ceiling installation. To be configured with ETS software.

**APPLICATIONS:** for environments where it is necessary to send activation commands to actuator devices via the KNX bus according to the movements detected and possibly the light intensity measured.

**NOTES:** equipped with coupling terminal for connection to BUS.



GW A9 543

#### WALL-MOUNTING FRAME

Code	Suitable for	Dimensions (mm)	Colour	Pack Carton
GW A9 543	GWA9531A	Ø 105x40	White	1

**APPLICATIONS:** accessory for the KNX presence detector GWA9531A wall installation.



GW A9 545

#### PLASTERBOARD-MOUNTING BOX

Code	Suitable for	Dimensions (mm)	Pack Carton
GW A9 545	GWA9531A	Ø 78	1

**APPLICATIONS:** flush-mounting box with spring clip for the KNX presence detector GWA9531A plasterboard installation.

## ACTUATORS - KNX

### SWITCH ACTUATORS



GW 14 796

#### KNX 1-CHANNEL 16A SWITCH ACTUATORS

Code	Colour	Output contacts	No. modules	Pack Carton
GW 10 796	Glossy white	1NO/NC 16A(AC1) 230Vac	2	1
GW 15 796	Satin White	1NO/NC 16A(AC1) 230Vac	2	1
GW 13 796	Natural satin beige	1NO/NC 16A(AC1) 230Vac	2	1
GW 12 796	Satin black	1NO/NC 16A(AC1) 230Vac	2	1
GW 14 796	Glossy Titanium	1NO/NC 16A(AC1) 230Vac	2	1

**CHARACTERISTICS:** 1-channel switch actuator for activating loads via a potential-free output contact (NO/NC).

Equipped with a front push-button for local command, a indicator LED for output contact closure and night-time backlit LED. To be configured with ETS software.

**APPLICATIONS:** execution of ON-OFF commands, timed commands with pre-alarm at switch-off, priority commands, scene management commands, lockout commands, safety functions, logic functions..

For discharge lamps and compensated fluorescent lamps, use a support relay.

**NOTES:** equipped with coupling terminal for connection to BUS (with protection lid).



GW 90 741

#### KNX 4-CHANNEL 10A SWITCH ACTUATOR - IP20 - DIN RAIL MOUNTING

Code	No. output channels	Output contacts	No. DIN modules	Pack Carton
GW 90 741	4	4NO 10A(AC1) 230Vac	4	1

**CHARACTERISTICS:** 4-channel switch actuator for activating loads via potential-free output contacts (NO). Suitable for commanding incandescent lamps (230Vac): 1500 W, halogen lamps (230Vac): 1500 W, loads controlled from electronic transformers: 600 VA, uncompensated fluorescent lamps: 400 VA, energy saving lamps (compact fluorescent): 8x23 W. Max switchover current 10 A (cos.fi 1). Use a support relay for the compensated fluorescent lamps and for all loads that are not indicated. Equipped with front push-buttons for local implementation, and signalling LED for closure of output contact. To be configured with ETS software.

**APPLICATIONS:** execution of ON-OFF commands, timed commands with pre-alarm at switch-off, priority commands, scene management commands, lockout commands, safety functions, logic functions..

**NOTES:** equipped with coupling terminal for connection to BUS (with protection lid).

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GW 90 740 A

KNX 4-CHANNEL 16AX SWITCH ACTUATOR - IP20 - DIN RAIL MOUNTING

Code	No. output channels	Output contacts	No. DIN modules	Pack Carton
GW 90 740 A	4	4NO 16AX 230Vac	4	1

**CHARACTERISTICS:** 4-channel switch actuator for activating loads via potential-free output contacts (NO). Suitable for commanding incandescent lamps (230Vac): 3000 W, halogen lamps (230Vac): 3000 W, loads controlled from toroidal transformers: 3000 W, loads controlled from electronic transformers: 2000 W, energy saving lamps (compact fluorescent): 80x23W. Max switchover current 16A (AC1), 16AX (140µF ref EN 60669-1) fluorescent loads with maximum surge current 400A (200µs). Equipped with front push-buttons for local implementation, and signalling LED for closure of output contact. To be configured with ETS software.

**APPLICATIONS:** execution of ON-OFF commands, timed commands with pre-alarm at switch-off, priority commands, scene management commands, lockout commands, safety functions, logic functions..

**NOTES:** equipped with coupling terminal for connection to BUS (with protection lid).



GW 90 742

KNX 4-CHANNEL 16AX SWITCH ACTUATOR WITH MANUAL OPERATION - IP20 - DIN RAIL MOUNTING

Code	No. output channels	Output contacts	No. DIN modules	Pack Carton
GW 90 742	4	4NO 16AX 230Vac	4	1

**CHARACTERISTICS:** 4-channel switch actuator for activating loads via potential-free output contacts (NO). Suitable for commanding incandescent lamps (230Vac): 3000 W, halogen lamps (230Vac): 3000 W, loads controlled from toroidal transformers: 3000 W, loads controlled from electronic transformers: 2000 W, energy saving lamps (compact fluorescent): 80x23W. Max switchover current 16A (AC1), 16AX (140µF ref. EN 60669-1) fluorescent loads with maximum surge current 400A (200µs). Equipped with front push-buttons for manual activation, and signalling LED for closure of output contact. To be configured with ETS software.

**APPLICATIONS:** execution of ON-OFF commands, timed commands with pre-alarm at switch-off, priority commands, scene management commands, lockout commands, safety functions, logic functions..

**NOTES:** equipped with coupling terminal for connection to BUS (with protection lid). Possibility to activate the loads manually, even without the BUS voltage (230Vac auxiliary power supply required).



GW A9 108

KNX 8-CHANNEL 10AX SWITCH ACTUATOR - IP20 - DIN RAIL MOUNTING

Code	No. output channels	Output contacts	No. DIN modules	Pack Carton
GW A9 108	8	8NO 10AX 230Vac	4	1

**CHARACTERISTICS:** 8-channel switch actuator for activating loads via potential-free output contacts (NO). Suitable for commanding incandescent lamps (230Vac): 2000W, halogen lamps (230Vac): 2000W, loads controlled from toroidal transformers: 1500W, loads controlled from electronic transformers: 1200W, energy saving lamps (compact fluorescent): 40x23W, LED lamps (230Vac): 40x10W. Max switchover current 10A (AC1), 10AX (140µF ref. EN 60669-1) fluorescent loads with maximum surge current 400A (150µs). Equipped with front push-buttons for local implementation, and signalling LED for closure of output contact. To be configured with ETS software.

**APPLICATIONS:** execution of ON-OFF commands, timed commands with pre-alarm at switch-off, priority commands, scene management commands, lockout commands, safety functions, logic functions, counters.

**NOTES:** equipped with coupling terminal for connection to BUS (with protection lid).



GW A9 103

KNX 3-CHANNEL 16AX SWITCH ACTUATOR WITH ENERGY METER - IP20 - DIN RAIL MOUNTING

Code	Supply voltage	No. output channels	Output contacts	No. DIN modules	Pack Carton
GW A9 103	230V ac - 50Hz	3	3NO 16AX 230V ac	4	1

**CHARACTERISTICS:** 3-channel switch actuator for activating loads via potential-free output contacts (NO), with the measure of the power and the energy consumed by each channel. Suitable for commanding incandescent lamps (230Vac): 3000W, halogen lamps (230Vac): 3000W, loads controlled from toroidal transformers: 3000W, loads controlled from electronic transformers: 2000W, energy saving lamps (compact fluorescent): 80x23W. Max switchover current 16 A (AC1), 16 AX (140 µF ref. EN 60669-1) fluorescent loads with maximum surge current 400A (200 µs). Equipped with front push-buttons for local implementation and signalling led for closure of output contact. To be configured with ETS software.

**APPLICATIONS:** execution of ON-OFF commands, timed commands with pre-alarm at switch-off, priority commands, scene management commands, lockout commands, safety functions, logic functions. Allows the measurement and the sending on the KNX bus of the active energy (exported and imported), instantaneous active and reactive power (exported and imported), voltage, current, power factor and frequency, with the possibility to disconnect the load for each channel independently. Suitable for single-phase systems.

**NOTES:** equipped with coupling terminal for connection to bus (with protection lid).

## ACTUATORS FOR ROLLER SHUTTERS



GW 14 797

### KNX 1-CHANNEL 6A ROLLER SHUTTER ACTUATORS

Code	Colour	Max current supplied	No. modules	Pack Carton
<b>GW 10 797</b>	Glossy white	6A-230V ac (compl. 60669-2-1)	2	1
<b>GW 15 797</b>	Satin White	6A-230V ac (compl. 60669-2-1)	2	1
<b>GW 13 797</b>	Natural satin beige	6A-230V ac (compl. 60669-2-1)	2	1
<b>GW 12 797</b>	Satin black	6A-230V ac (compl. 60669-2-1)	2	1
<b>GW 14 797</b>	Glossy Titanium	6A-230V ac (compl. 60669-2-1)	2	1

**CHARACTERISTICS:** 1-channel actuator to activate a motor to move roller-shutters, curtains, Venetian blinds, rolling blinds, etc. via 2 potential-free interlocked output contacts (NO). Equipped with two front push-buttons for local implementation, two LEDs to signal the closure of the outputs contacts, and two LEDs for night-time localisation. To be configured with ETS software.

**NOTES:** equipped with coupling terminal for connection to BUS (with protection lid).



GW 90 857

### KNX 6A ROLLER SHUTTER ACTUATORS - 230V - IP20 - DIN RAIL MOUNTING

Code	No. channels	Max current supplied	No. DIN modules	Pack Carton
<b>GW 90 856</b>	2	6A-230V ac (compl. 60669-2-1)	4	1
<b>GW 90 857</b>	4	6A-230V ac (compl. 60669-2-1)	4	1

**CHARACTERISTICS:** 2- and 4-channel actuators to activate motors to move roller-shutters, curtains, venetian blinds, rolling blinds, etc. via respectively 4 and 8 potential-free interlocked output contacts (NO) With 4 (8) frontal push-buttons for local activation, and 4 (8) LEDs indicating output contact closure.

**APPLICATIONS:** carries out commands of movement/adjustment/stopping, along with priority commands, scene management and alarm signalling commands. Permit the management of different times for up/down movements and for slat adjustment.

**NOTES:** equipped with coupling terminal for connection to BUS (with protection lid).

GW90857: possibility to activate the loads manually, even without the BUS voltage.

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## COMBINED ACTUATORS



GW 90 730

### KNX 4-CHANNEL 10A SWITCH ACTUATOR + 4 UNIVERSAL INPUTS - IP 20 - DIN RAIL MOUNTING

Code	No. universal input channels	No. output channels	Output contacts	No. DIN modules	Pack Carton
GW 90 730	4	4	4NO 10A(AC1) 230Vac	4	1

**CHARACTERISTICS:** the module has 4 relay 10A output channels and 4 universal input channels that can be configured as inputs for push-buttons or conventional potential-free contacts, analogue inputs (0..20mA, 4..20mA, 0..10V, 0..1V), digital inputs for measurement devices with S0 interface (max 1), inputs for NTC probe sensors (max 2) that can be used for controlling the same number of thermoregulation areas. The 4 universal input channels can also be configured as PWM outputs for LEDs (3.3V) for signalling the status of the loads. The 4 relay output channels are suitable for commanding incandescent lamps (230Vac): 1500W, halogen lamps (230Vac): 1500W, loads controlled from electronic transformers: 600 VA, uncompensated fluorescent lamps 400VA, energy saving lamps (compact fluorescent): 8x23W. Max switchover current 10 A (cos.fi 1). Use a support relay for the compensated fluorescent lamps and for all loads that are not indicated. The device has front push-buttons for the local command of the relay outputs, 4 green LEDs for signalling output contact closure, and 4 amber LEDs for signalling the status of the inputs. To be configured with ETS software.

**APPLICATIONS:** the input channels are used for sending ON-OFF commands with fronts management, switching commands and sequences, brief / prolonged contact closure management, timed commands, priority commands, commands for managing roller shutters (single or double push-button), dimmers (single or double push-button), scenes (storage and activation), impulse count. The output channels are used for the execution of ON-OFF commands, timed commands with pre-alarm at switch-off, priority commands, and scene management commands.

**NOTES:** equipped with coupling terminal for connection to BUS (with protection lid).



GW A9 126

### KNX 12/6-CHANNEL 8AX SWITCH AND ROLLER SHUTTER ACTUATOR WITH MANUAL OPERATION - IP20 - DIN RAIL MOUNTING

Code	No. output channels	Output contacts	No. DIN modules	Pack Carton
GW A9 126	12	12NO 8AX 230Vac	8	1

**CHARACTERISTICS:** 12-channel switch actuator with potential-free output contacts (NO) for activating 12 loads or 6 shutters/venetian blinds with 230Vac motors. Each single pair of channels can be separately configured for switching loads or roller shutter command. Suitable for commanding incandescent lamps (230Vac): 1500W, halogen lamps (230Vac): 1500W, loads controlled from toroidal transformers: 1200W, loads controlled from electronic transformers: 1000W, energy saving lamps (compact fluorescent): 25x23W, LED lamps (230Vac): 25x10W, motors: 800W. Max switchover currents 8A (AC1), 8AX (140μF ref. EN 60669-1) fluorescent loads with maximum surge current 300A (150μs). Equipped with front push-buttons for manual activation, and signalling LED for closure of output contact. To be configured with ETS software.

**APPLICATIONS:** execution of ON-OFF commands, timed commands with pre-alarm at switch-off, priority commands, scene management commands, block commands, safety functions, logic functions, counters, output status signal, commands of movement/adjustment/stopping, alarm signalling.

**NOTES:** equipped with coupling terminal for connection to BUS (with protection lid). Possibility to activate the loads manually, even without the BUS voltage (230Vac auxiliary power supply required).

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## DIMMER ACTUATORS



GW A9 313

### KNX DIMMER ACTUATOR FOR ELECTRONIC BALLAST 1-10V - 3 CHANNELS - IP 20 - DIN RAIL MOUNTING

Code	No. of channels	Output contacts	Max current per channel	No. DIN modules	Pack Carton
GW A9 313	3	16 AX (140μF) - 230 V ac	100 mA	4	1

**CHARACTERISTICS:** it has 3 output channels 1-10V for commanding ballast with 1-10 V interface and 3 relay On/Off output channels switching the ballast power off. To be configured with ETS software.

**APPLICATIONS:** execution of ON-OFF commands, relative and absolute light intensity adjustment, scene management, timed commands, priority commands, logic functions.

**NOTES:** equipped with coupling terminal for connection to BUS (with protection lid).



GW A9 302

### KNX UNIVERSAL DIMMER ACTUATORS - IP20 - DIN RAIL MOUNTING

Code	Supply voltage	No. output channels	Power max.	No. DIN modules	Pack Carton
GW A9 301	230V ac - 50/60 Hz	1	500 VA	4	1
GW A9 302	230V ac - 50/60 Hz	2	300VA per channel	4	1

**CHARACTERISTICS:** for the adjustment and switching of incandescent and halogen lamps 230Vac, low voltage halogen lamps with electronic and winding transformers, LED lamps 230Vac with dimmer function, and CFL lamps with dimmer function. Manual selection of the type of load (Leading Edge or Trailing Edge piloting), soft-start function for lamp protection, front LEDs for signalling the status of the outputs. To be configured with ETS software.

**APPLICATIONS:** execution of ON-OFF commands, relative and absolute light intensity adjustment, scene management, timed commands, priority commands, logic functions.

**NOTES:** equipped with coupling terminal for connection to BUS (with protection lid).



GW A9 350

### BLEEDER - 230VAC - 50HZ

Code	Description	Dimensions LxHxD (mm)	Pack Carton
GW A9 350	Bleeder	38x32x14	1/48

**CHARACTERISTICS:** load adapter for dimmable LED lamps. Equipped with 15 cm long cables.

**APPLICATIONS:** suitable for KNX universal (GWA9301, GWA9302) or traditional (GW1572, GW1573) dimmers.



GW A9 303

### KNX UNIVERSAL DIMMING ACTUATOR WITH MANUAL OPERATION - IP20 - DIN RAIL MOUNTING

Code	Supply voltage	No. output channels	Power max.	No. DIN modules	Pack Carton
GW A9 303	230V ac - 50 Hz	2	400 W per channel	4	1

**CHARACTERISTICS:** for the adjustment and switching of incandescent lamps, halogen lamps (high and low voltage), compact adjustable fluorescent lamps (energy saving lamps), 230Vac adjustable LED lamps and fans (max. 100W). Automatic load recognition and light intensity regulation power: 400W per channel or 800W in parallel operation. The device has frontal buttons for manual operation and signalling leds for the operation status of each channel. To be configured via ETS software.

**APPLICATIONS:** light intensity regulation, regulation value limitations, soft switchover, block function, forced operation, scenarios, status return on channels, operating hour-counter and signalling for assistance, management during mains or bus failure and reset, diagnosis messages.

**NOTES:** equipped with coupling terminal for connection to BUS. Possibility to activate the loads manually, even without the bus voltage.



GW 90 764

### KNX DIMMER ACTUATOR FOR LED LOADS - IP20 - DIN RAIL MOUNTING

Code	Supply voltage	No. output channels	Type of control	No. DIN modules	Pack Carton
GW 90 764	12-24V dc	4	CVD	4	1
GW 90 765	12-48V dc	4	CCD	4	1

**CHARACTERISTICS:** dimmer in CVD version (control with constant voltage) for regulating RGB(W) LED strips, and in CCD version (control with constant current) for regulating "power" LEDs. 4 front button keys for testing the outputs and 4 front LEDs for signalling the load status and other operating parameters. To be configured with ETS software.

**APPLICATIONS:** execution of ON-OFF commands, regulation and setting of the light intensity level for each single channel (and the 4 channels simultaneously), selection of feedback on status or light intensity value, scene management, timed sequences, priority commands, logic functions. The 4 outputs can be used to control each of the 4 channels R, G, B and W of a single LED lamp, or up to 4 independent LEDs.

**NOTES:** equipped with coupling terminal for connection to BUS (with protection lid).



GW 90 766

## BOOSTER FOR CVD LED DIMMER ACTUATORS 4X10 A - IP20 - DIN RAIL MOUNTING

Code	Supply voltage	No. output channels	Max current per channel	No. DIN modules	Pack Carton
GW 90 766	12-24V dc	4	10A	4	1/4

**CHARACTERISTICS:** device used to extend the driving capacity of CVD LED dimmers up to 10 A per channel.

**APPLICATIONS:** to be used with LED dimmer actuators with CVD KNX control (GW90764).

**NOTES:** equipped with a coupling terminal for connection to BUS, with protective cover.

## FAN COIL ACTUATORS



GW A9 140

## KNX FAN COIL ACTUATOR - IP20 - DIN RAIL MOUNTING

Code	Supply voltage	No. input channels	Valves output contacts	Fan relay contacts	Additional relay contacts	No. DIN modules	Pack Carton
GW A9 140	230V ac - 50 Hz	2	0,5A (24-230 V ac), triac	8A (AC1) 250 V ac	16A (AC1) 250 V ac	4	1

**CHARACTERISTICS:** actuator for the command of fan coils with 2- or 3-point heating/cooling valves and up to 3 fan levels in 2- and 4-pipe systems. Equipped with an additional programmable relay (eg: to control a heating/cooling battery or as a switching output) and two potential-free inputs for windows contact or temperature probe sensor (es: GWA9145) and condensate monitoring. The device has frontal Test buttons (for a simple check of fan levels and heating/cooling switching during the setup steps) and 9 signalling leds for the operation status. Regulation is via an external control variable or the integrated ambient thermostat (in the latter case it is necessary to add the temperature probe sensor). To be configured via ETS software.

**APPLICATIONS:** KNX timed thermostats and thermostats that can be used with the fan coil actuators GWA9140 and GWA9141:

- THERMO ICE KNX surface-mounting thermostat GW16976CB/CN/CT: for controlling all the functions of the fan coil actuators (that shall be configured to work with kind of used controller "remote controller") and commanding the fan in both automatic and manual mode.

- THERMO ICE KNX flush-mounting thermostat GW16974CB/CN/CT: attention - this thermostat can only be used in KNX-SYSTEM mode (configurable with ETS). For controlling the fan coil actuators (that shall be configured to work with kind of used controller "remote controller") and commanding the fan in automatic mode only - i.e. the thermostat conveys the valve opening request (0..100% byte) to the fan coil actuators, which automatically define the fan speed; the fan speed cannot therefore be controlled via the thermostat.

- Other KNX SYSTEM timed thermostats, thermostats and probes: attention - these models permit only limited use of the control functions of the fan coil actuators (that shall be configured to work with kind of used controller "remote controller"), so their validity should be evaluated for the individual situation on the basis of the application requisites.

- KNX EASY timed thermostats, thermostats and probes: attention - these models cannot be used to control the fan coil actuators.

**NOTES:** equipped with coupling terminal for connection to BUS.

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## KNX FAN COIL ACTUATOR 0-10V - IP20 - DIN RAIL MOUNTING

Code	Supply voltage	No. input channels	Valves and fan output	Fan relay contacts	Additional relay contacts	No. DIN modules	Pack Carton
GW A9 141	100-240 V ac - 50-60 Hz	2	0-10V, max 10mA	6A (AC1) 250 V ac	16A (AC1) 250 V ac	4	1

**CHARACTERISTICS:** actuator for the command of fan coils with 0-10V proportional heating/cooling valves and up to 3 fan levels (or with 0-10V proportional output) in 2- and 4-pipe systems. Equipped with an additional programmable relay (eg: to control a heating/cooling battery or as a switching output) and two potential-free inputs for windows contact or temperature probe sensor (es: GWA9145) and condensate monitoring. The device has frontal Test buttons (for a simple check of fan levels and heating/cooling switching during the setup steps) and 9 signalling leds for the operation status. Regulation is via an external control variable or the integrated ambient thermostat (in the latter case it is necessary to add the temperature probe sensor). To be configured via ETS software.

**APPLICATIONS:** KNX timed thermostats and thermostats that can be used with the fan coil actuators GWA9140 and GWA9141:

- THERMO ICE KNX surface-mounting thermostat GW16976CB/CN/CT: for controlling all the functions of the fan coil actuators (that shall be configured to work with kind of used controller "remote controller") and commanding the fan in both automatic and manual mode.

- THERMO ICE KNX flush-mounting thermostat GW16974CB/CN/CT: attention - this thermostat can only be used in KNX-SYSTEM mode (configurable with ETS). For controlling the fan coil actuators (that shall be configured to work with kind of used controller "remote controller") and commanding the fan in automatic mode only - i.e. the thermostat conveys the valve opening request (0..100% byte) to the fan coil actuators, which automatically define the fan speed; the fan speed cannot therefore be controlled via the thermostat.

- Other KNX SYSTEM timed thermostats, thermostats and probes: attention - these models permit only limited use of the control functions of the fan coil actuators (that shall be configured to work with kind of used controller "remote controller"), so their validity should be evaluated for the individual situation on the basis of the application requisites.

- KNX EASY timed thermostats, thermostats and probes: attention - these models cannot be used to control the fan coil actuators.

**NOTES:** equipped with coupling terminal for connection to BUS.



GW A9 141

## TEMPERATURE PROBE SENSOR

Code	Capsule diameter (mm)	Capsule length (mm)	Cable length (m)	IP degree	Pack Carton
GW A9 145	6	30	4	IP65	1

**CHARACTERISTICS:** NTC sensor 100K.

**NOTES:** to be used in combination with KNX fan coil actuators.



GW A9 145

## TEMPERATURE CONTROL - KNX

### CLIMATE CONTROL



GW 14 794 H

#### KNX TIMED THERMOSTATS/PROGRAMMERS WITH HUMIDITY MANAGEMENT

Code	Colour	Output contacts	Humidity sensor	No. modules	Pack Carton
GW 10 794 H	Glossy white	1NO / NC 5A(AC1) 250V ac	Not included	3	1
GW 15 794 H	Satin White	1NO / NC 5A(AC1) 250V ac	Not included	3	1
GW 13 794 H	Natural satin beige	1NO / NC 5A(AC1) 250V ac	Not included	3	1
GW 12 794 H	Satin black	1NO / NC 5A(AC1) 250V ac	Not included	3	1
GW 14 794 H	Glossy Titanium	1NO / NC 5A(AC1) 250V ac	Not included	3	1

**CHARACTERISTICS:** flush-mounting timed thermostat with humidity management, that can be programmed on a weekly basis to control heating/cooling and humidification/dehumidification systems on the BUS. 3-level temperature profile (comfort, pre-comfort, economy). Control algorithms for 2- or 4-way systems: two points (ON/OFF or 0%/100%), proportional-integral (PWM or continuous), fan coil (max. 3 speeds). Includes: 1 output for commanding the area solenoid valve (or as a generic output for executing ON/OFF commands, timed commands, priority commands or scene management); 1 input for the potential-free contact (for the window contact function, or for managing fronts, dimmers, roller shutters and scenes); 1 input for the external temperature NTC probe sensor (e.g. protection for floor-mounting heating) or, alternatively, as a second input for a potential-free contact. With 10 hour profiles that can be freely used (programmer function) plus another two reserved for the timed thermostat, with 15-minute resolution. Equipped with an extractable front and LCD display with customisable RGB backlighting. To be configured with ETS software.

**APPLICATIONS:** can be combined with KNX flush-mounting thermostats for local temperature adjustment: In this case, the timed thermostat acts as a master, sending the temperature profile to the BUS.

**NOTES:** equipped with coupling terminal for connection to BUS. The device requires a back-up power supply from 2 AA alkaline batteries (not included), housed in the extractable front, to guarantee the updating of the calendar (day, time) in the event of a BUS voltage failure. **The device does not have a built-in humidity sensor, so the relative humidity value must be obtained from an external KNX sensor (es: GW1x762H).**



GW 14 795 H

#### KNX THERMOSTATS WITH HUMIDITY MANAGEMENT

Code	Colour	Output contacts	Humidity sensor	No. modules	Pack Carton
GW 10 795 H	Glossy white	1NO / NC 5A(AC1) 250V ac	Not included	2	1
GW 15 795 H	Satin White	1NO / NC 5A(AC1) 250V ac	Not included	2	1
GW 13 795 H	Natural satin beige	1NO / NC 5A(AC1) 250V ac	Not included	2	1
GW 12 795 H	Satin black	1NO / NC 5A(AC1) 250V ac	Not included	2	1
GW 14 795 H	Glossy Titanium	1NO / NC 5A(AC1) 250V ac	Not included	2	1

**CHARACTERISTICS:** flush-mounting thermostat with humidity management, to control heating/cooling and humidification/dehumidification systems on the BUS and to manually manage the temperature on three levels (comfort, pre-comfort, economy). Control algorithms for 2- or 4-way systems: two points (ON/OFF or 0%/100%), proportional-integral (PWM or continuous), fan coil (max. 3 speeds). Includes: 1 output for commanding the area solenoid valve (or as a generic output for executing ON/OFF commands, timed commands, priority commands or scene management); 1 input for the potential-free contact (for the window contact function, or for managing fronts, dimmers, roller shutters and scenes); 1 input for the external temperature NTC probe sensor (e.g. protection for floor-mounting heating) or, alternatively, as a second input for a potential-free contact. Equipped with an LCD display with customisable RGB backlighting. To be configured with ETS software.

**APPLICATIONS:** can be combined with KNX flush-mounting timed thermostats for local temperature adjustment: in this case, the thermostat acts as a Slave, executing the temperature profile sent from the Master (timed thermostat), using the locally defined setpoint values. If the system contains remote elements with their own control logic (e.g. flush-mounting KNX temperature adjustment probes), the thermostat can be used to visualise and set their operating parameters (max. 4 elements).

**NOTES:** equipped with coupling terminal for connection to BUS. **The device does not have a built-in humidity sensor, so the relative humidity value must be obtained from an external KNX sensor (es: GW1x762H).**



GW 14 799

#### KNX TEMPERATURE SENSORS

Code	Colour	No. modules	Pack Carton
GW 10 799	Glossy white	1	1
GW 15 799	Satin White	1	1
GW 13 799	Natural satin beige	1	1
GW 12 799	Satin black	1	1
GW 14 799	Glossy Titanium	1	1

**CHARACTERISTICS:** flush-mounting temperature adjustment probe for controlling heating/cooling systems on the BUS. 3-level temperature profile (comfort, pre-comfort, economy). Control algorithms for 2- or 4-way systems: two points (ON/OFF or 0%/100%), proportional-integral (PWM or continuous), fan coil (max. 3 speeds). Includes: 1 input for the potential-free contact (for the window contact function, or for managing fronts, dimmers, roller shutters and scenes); 1 input for the external temperature NTC probe sensor (e.g. protection for floor-mounting heating) or, alternatively, as a second input for a potential-free contact. Equipped with a front LED signalling the operating status and the load status (solenoid valve). To be configured with ETS software.

**APPLICATIONS:** can be combined with thermostats GW1x795H or timed thermostats GW1x794H to adjust the temperature in specific areas and for controlling and displaying the probe parameters (the probe does not have a display).

**NOTES:** it is equipped with coupling terminal for connection to bus.



GW 14 799 H

## KNX HUMIDITY/TEMPERATURE SENSORS

Code	Colour	Humidity sensor	No. modules	Pack Carton
GW 10 799 H	Glossy white	Built-in	1	1
GW 15 799 H	Satin White	Built-in	1	1
GW 13 799 H	Natural satin beige	Built-in	1	1
GW 12 799 H	Satin black	Built-in	1	1
GW 14 799 H	Glossy Titanium	Built-in	1	1

**CHARACTERISTICS:** flush-mounting temperature adjustment probe with humidity sensor for controlling heating/cooling systems and humidification/dehumidification systems on the BUS. 3-level temperature profile (comfort, pre-comfort, economy). Control algorithms for 2- or 4-way systems: two points (ON/OFF or 0%/100%), proportional-integral (PWM or continuous), fan coil (max. 3 speeds). Includes: 1 input for a potential-free contact (for the window contact function, or for managing fronts, dimmers, roller shutters and scenes); 1 input for the external temperature NTC probe sensor (e.g. protection for floor-mounting heating) or, alternatively, as a second input for a potential-free contact. Equipped with a front LED signalling the operating status and the load status (solenoid valve). To be configured with ETS software.

**APPLICATIONS:** can be combined with thermostats GW1x795H or timed thermostats GW1x794H to adjust the temperature in specific areas and for controlling and displaying the probe parameters (the probe does not have a display).

**NOTES:** it is equipped with coupling terminal for connection to bus.



GW 14 762 H

## KNX TEMPERATURE/HUMIDITY SENSORS

Code	Colour	Humidity sensor	No. modules	Pack Carton
GW 10 762 H	Glossy white	Built-in	1	1
GW 15 762 H	Satin White	Built-in	1	1
GW 13 762 H	Natural satin beige	Built-in	1	1
GW 12 762 H	Satin black	Built-in	1	1
GW 14 762 H	Glossy Titanium	Built-in	1	1

**CHARACTERISTICS:** flush-mounting temperature/humidity sensor for sending temperature and relative humidity values on the KNX BUS. Temperature range: 0...+45°C. Relative humidity range: 10-95%. Equipped with a front signalling LED. To be configured with ETS software.

**NOTES:** equipped with coupling terminal for connection to BUS.



GW 10 800

## OUTDOOR TEMPERATURE PROBE SENSOR

Code	Capsule diameter (mm)	Capsule length (mm)	Cable length (m)	IP degree	Pack Carton
GW 10 800	5	20	3	IP68	1

**CHARACTERISTICS:** NTC sensor 10K BETA 3435 1%. Temperature range: -50...+110°C; accuracy: ±1%; capsule material: thermoplastic rubber.

**NOTES:** for use in combination with timed thermostats, thermostats, flush mounting KNX temperature/humidity sensors, input modules.



GW 14 900

## TEMPERATURE PROBE SENSORS

Code	Colour	No. modules	Pack Carton
GW 10 900	Glossy white	1	1
GW 15 900	Satin White	1	1
GW 13 900	Natural satin beige	1	1
GW 12 900	Satin black	1	1
GW 14 900	Glossy Titanium	1	1

**CHARACTERISTICS:** flush-mounting temperature sensor, NTC 10K±2%, BETA 3977±0.75%, temperature range: -40...+125°C. Equipped with a front signalling LED.

**NOTES:** for use in combination with timed thermostats, temperature sensors, flush-mounting KNX temperature/humidity sensors, input modules, etc.



GW 16 974 CN

## KNX THERMO ICE THERMOSTATS

Code	Colour	Power supply	Dimensions LxHxD (mm)	Pack Carton
GW 16 974 CB	White	12-24V ac/dc	123x95x11	1
GW 16 974 CN	Black	12-24V ac/dc	123x95x11	1
GW 16 974 CT	Titanium	12-24V ac/dc	123x95x11	1

**CHARACTERISTICS:** flush-mounting thermostat for controlling heating/cooling systems via BUS, and manual or 3-level temperature management (comfort, pre-comfort, economy). Control algorithms for two- or four-way systems: two points (ON/OFF or 0%/100%), proportional-integral (PWM or continuous 0%-100%), fan coil (max. 3 speeds with ON/OFF or 0%/100% control). Allows control of humidification and dehumidification systems if connected to an external humidity sensor (e.g. GW1x762H). Has 1 input for potential-free contact (for window contact function, for managing fronts, dimmers, shutters or scenarios); 1 input for NTC external temperature sensor (e.g. protection for underfloor heating) or, alternatively, as a second input for potential-free contact. Equipped with user interface with touch-type (capacitive) controls on glass plate and rear-projection display. The thermostat has integrated proximity and temperature sensors. Configuration is via ETS software.

**APPLICATIONS:** option to combine with flush-mounted KNX timed thermostats or KNX control panels for zoned temperature control: in this case, the thermostat acts as a slave, implementing the temperature profile sent from the master.

**NOTES:** equipped with a coupling terminal for connection to BUS. The thermostats include a front plate, electronic unit and metal support and are designed for screw fastening to either rectangular 3-gang boxes (83.5 mm centre distance) or round/square boxes (60 mm centre distance) equipped with installation columns. Plate materials: glass.



GW 10 720

## POWER SUPPLY UNIT 12VDC

Code	Supply voltage	Output voltage	Max current supplied	Dimensions LxHxD (mm)	Pack Carton
GW 10 720	100 ÷ 240 V ac - 50/60 Hz	12V dc	300 mA	52x33x17	1/10

**APPLICATIONS:** to be used for powering LPG detectors (GW1x711, GW2x868, GW30520), methane detectors (GW1x712, GW2x867, GW30519); Thermo ICE KNX (GW16974CB, GW16974CN, GW16974CT) thermostats.



GW 16 976 CN

## KNX THERMO ICE THERMOSTAT - WALL-MOUNTING

Code	Colour	Power supply	Dimensions LxHxD (mm)	Pack Carton
GW 16 976 CB	White	110/230 V ac - 50/60 Hz	123x95x21	1
GW 16 976 CN	Black	110/230 V ac - 50/60 Hz	123x95x21	1
GW 16 976 CT	Titanium	110/230 V ac - 50/60 Hz	123x95x21	1

**CHARACTERISTICS:** wall-mounting thermostat to control heating/cooling and humidification/dehumidification systems on the BUS and manage the temperature in manual mode or on 3 levels (comfort, pre-comfort, economy). Control algorithms for 2- or 4-way systems: two points (ON/OFF or 0%-100%), proportional-integral (PWM or continuous adjustment), fan coil (max. 3 speeds or with continuous adjustment 0%-100%). Includes 1 input for external NTC temperature sensor (e.g.: protection for flood mounting heating). Equipped with a user interface with touch commands (capacitive) on technopolymer plate and backlit display. The thermostat has built-in proximity, temperature and humidity sensors. The device supports KNX Secure. To be configured with ETS software.

**APPLICATIONS:** can be combined with KNX flush-mounting timed thermostats or Smart Gateway for local temperature adjustment: in this case, the thermostat acts as the slave by executing the temperature sent by the master. Available a "hotel" operating mode with simplified functionalities and user interface for hotel applications.

**NOTES:** equipped with coupling terminal for connection to bus. Wall fixing with wall plugs or screw fixing on rectangular 3 modules boxes (centre distance 83.5 mm). Plate material: technopolymer.

## ENERGY CONTROL - KNX

### P-COMFORT



GW A9 916

## KNX LOAD MANAGEMENT RELAY P-COMFORT - IP20 - DIN RAIL MOUNTING

Code	Supply voltage	Rated current	Type relay contact	Capacity relay contact	No. DIN modules	Pack Carton
GW A9 916	230V ac - 50Hz	32 A	Changeover (potential free contact)	16 A AC1 250 V ac	2	1/6

**CHARACTERISTICS:** load management to control the activation/deactivation of electrical appliances wired to the relay inside the device or connected to KNX actuators, preventing the main line power supply disconnection and avoiding service interruptions. The device supports KNX Secure. To be configured with ETS software.

**APPLICATIONS:** allows the measurement, the visualisation on the display and the sending on the KNX bus of the active energy (exported and imported), instantaneous active and reactive power (exported and imported), voltage, current, power factor and frequency.

**NOTES:** equipped with coupling terminal for connection to bus.

## KNX- ENERGY METERS



GW A9 801

### KNX SINGLE-PHASE ENERGY METER FOR DIRECT CONNECTION - IP20 - DIN RAIL MOUNTING

Code	Supply voltage	Rated current	No. DIN modules	Pack Carton
GW A9 801	230V ac - 50Hz	32 A	2	1/6

**CHARACTERISTICS:** the device supports KNX Secure. To be configured with ETS software.

**APPLICATIONS:** allows the measurement, the visualisation on the display and the sending on the KNX bus of the active energy (exported and imported), instantaneous active and reactive power (exported and imported), voltage, current, power factor and frequency.

**NOTES:** equipped with coupling terminal for connection to bus.

## TRADITIONAL ENERGY METERS



GW D6 801

### SINGLE-PHASE DIGITAL ENERGY METERS FOR DIRECT CONNECTION - IP20 - DIN RAIL MOUNTING

Code	Type MID	N. digit	Accuracy	I max (A)	Rated voltage (V)	No. of modules EN 50022	Pack Carton
GW D6 801	No	5 unit + 2 decimals	1	40 A	230 ac	1	1/5
GW D6 802	Yes	5 unit + 2 decimals	1	40 A	230 ac	1	1/5

**APPLICATION:** allows the measurement and visualisation on the display of the active energy values (exported and imported), instantaneous active power (exported and imported), voltage, current, power factor and frequency.

If used with the KNX GW90876 interface, the measured values can be sent on the KNX BUS.

If used with the MODBUS GWD6820 interface, the measured values can be sent on Modbus RS485.

**CHARACTERISTICS:** the energy meters have an impulse output for remote energy consumption control.



GW D6 809

### THREE-PHASE DIGITAL ENERGY METERS - IP20 - DIN RAIL MOUNTING

Code	Type MID	N. digit	Accuracy	Connection	Rated voltage (V)	No. of modules EN 50022	Pack Carton
GW D6 807	Yes	6 unit + 2 decimals	1 (active energy) 2 (reactive energy)	Direct (I max=80 A)	400 ac	4	1/2
GW D6 809	Yes	6 unit + 2 decimals	1 (active energy) 2 (reactive energy)	Using C.T./5 A	400 ac	4	1/2

**APPLICATION:** allow the measurement and the visualization on display of the active and reactive energy values (exported and imported), and instantaneous active and reactive power values (exported and imported). If used with the KNX GW90876 interface, the measured values can be sent on the KNX BUS.

If used with the MODBUS GWD6820 interface, the measured values can be sent on Modbus RS485.

**CHARACTERISTICS:** the meters have two impulse outputs for remote energy consumption control.

## KNX INTERFACE



GW 90 876

### KNX INTERFACE FOR TRADITIONAL ENERGY METER - IP20 - DIN RAIL MOUNTING

Code	No. DIN modules	Pack Carton
GW 90 876	1	1/5

**CHARACTERISTICS:** to be configured with ETS software.

**APPLICATIONS:** it communicates the values of energy and power as measured by the GWD6801, GWD6802, GWD6807, GWD6809 energy meters on the KNX bus system. The KNX interface is optically coupled to the energy meter (the two devices have to be installed side-by-side).

**NOTE:** it is equipped with a coupling terminal for connection to bus.



## WEATHER SENSORS - KNX

### DEVICES



GW 90 800

#### KNX WEATHER STATION - IP44

Code	Power supply	Assembly	Dimensions LxHxD (mm)	Pack Carton
GW 90 800	24V ac/dc, max. 100mA	Wall/pole-mounting	96x77x118	1

**CHARACTERISTICS:** includes the following sensors: rain, temperature (from -40°C to +80°C), luminosity (from 0 lux to 150000 lux), wind (from 0 m/s to 35 m/s). The weather station includes a GPS receiver for determining coordinates, data and hour.

**APPLICATIONS:** the weather station stores and processes the analogue signals coming from the embedded sensors.

**NOTES:** equipped with coupling terminal for connection to BUS.



GW 90 883

#### KNX WIND AND RAIN SENSOR - IP44

Code	Power supply	Current consumption	Measurement interval	Rain sensor heating	Dimensions LxHxD (mm)	Pack Carton
GW 90 883	230 V ac	20 mA	0...70m/s	1.2 W	96x77x118	1

**CHARACTERISTICS:** with the aid of a combined sensor, the device analyses the conductivity of the rainwater (via the built-in heater, it immediately detects the end of the precipitation) and electronically measures the wind speed. To be configured with ETS software.

**APPLICATIONS:** detects and analyses the precipitation (rain drops and snow flakes) and wind speed, even in the presence of hail and snow.

**NOTES:** equipped with coupling terminal for connection to BUS.



GW 90 884

#### KNX LIGHT INTENSITY SENSOR - IP44

Code	Power supply	Current consumption	Measurement interval	Dimensions LxHxD (mm)	Pack Carton
GW 90 884	KNX BUS voltage	10 mA	0...150000 lux	96x77x118	1

**CHARACTERISTICS:** the device measures the light intensity. With light-sensitive sensor function. To be configured with ETS software.

**APPLICATIONS:** detects and analyses the light level.

**NOTES:** equipped with coupling terminal for connection to BUS.



GW 90 885

#### KNX TEMPERATURE SENSOR - IP65

Code	Power supply	Current consumption	Measurement interval	Dimensions LxHxD (mm)	Pack Carton
GW 90 885	KNX BUS voltage	5.5 mA	-40...+80°C	65x93x38	1

**CHARACTERISTICS:** the sensor measures the temperature. The sensor is also equipped with a PI (proportional integral) regulator for heating and air conditioning. To be configured with ETS software.

**APPLICATIONS:** measures the temperature.

**NOTES:** equipped with coupling terminal for connection to BUS.

## COMPLEMENTARY ITEMS - KNX

### INTERFACES



GW 90 871

#### KNX/DMX GATEWAY - DIN RAIL MOUNTING

Code	Power supply	No. DMX channels	Dimensions LxHxD (mm)	Pack Carton
GW 90 871	9-30V dc, 100mA	512	107x75x31 mm	1

**APPLICATIONS:** one-way interface that can receive the KNX BUS commands and re-transmit them towards the devices on the DMX BUS.

The interface manages up to 512 DMX channels.

**NOTES:** equipped with coupling terminal for connection to BUS.



GW 90 872 A

#### KNX/DALI 64/16 IP GATEWAY - DIN RAIL MOUNTING

Code	Power supply	Max no. DALI units	Max no. DALI devices	No. DIN modules	Pack Carton
GW 90 872 A	110-240V ac - 50/60Hz, 100mA	16	64	4	1/4

**FEATURES:** interface that can control up to 64 lamps managed with the DALI protocol via a KNX bus. The device is equipped with a RJ45 LAN port for configuration and/or access via IP and supplies power to the DALI line. Category 1 device (in accordance with EN 62386-103).

**NOTES:** equipped with coupling terminal for the bus connection.

**Available until inclusion of the new code GW90873**



GW 90 873

#### GATEWAY KNX/DALI2 ADVANCED - MULTIMASTER 64/16 - DIN RAIL MOUNTING

Code	Power supply	Max no. DALI units	Max no. DALI devices	No. DIN modules	Pack Carton
GW 90 873	100 - 240 V ac/dc - 50/60 Hz	16	64 lighting fixtures	4	1/4

**FEATURES:** gateway capable of controlling up to 64 lamps managed with the DALI protocol via a KNX bus. In addition, up to 8 DALI motion detectors or DALI light sensors can be connected. The device supports DALI2 with multimaster operation in accordance with EN 62386-103 ed. 2. The power required for the connected DALI lamps and sensors is supplied directly by the device and no additional DALI power supplies are required.

The device supports KNX Secure and is configured via ETS software.

The device has an RJ45 LAN port for configuration and/or IP access. Category 1 equipment (in accordance with EN 62386-103).

**APPLICATIONS:** the device also enables the control of emergency lamps (with Data Type DT1) and lamps with colour control (with Data Type DT8).

**NOTES:** equipped with a coupling terminal for bus connection.

**Contact the GEWISS sales department for the availability date.**

### ACCESSORIES



GW 90 807

#### CONNECTION TERMINAL TO BUS

Code	Colour	Pack Carton
GW 90 807	Red - Black	50

**APPLICATIONS:** for connecting up to 4 pairs of conductors. Can also be used as a junction terminal.



GW 90 808

### CONNECTION TERMINAL TO SELV LINE

Code	Colour	Pack Carton
GW 90 808	Yellow - white	50

**APPLICATIONS:** for connecting up to 4 pairs of conductors. Can also be used as a junction terminal.



GW 90 584

### KNX BUS CABLES

Code	Type	Description	Ø (mm)	Colour	CPR class	Pack Carton
GW 90 584	2 conductors 1 x 2 x 0.8	LSZH Cable sheath	5.2	Green	Cca-s1a,d0,a1	100
GW 90 585	4 conductors 2 x 2 x 0.8	LSZH Cable sheath	6.1	Green	Cca-s1a,d0,a1	100

**CHARACTERISTICS:** GW90584 made of 1 twisted pair of wires: red/black colour used for the power supply and the data transmission of the KNX devices. GW90585 made of 2 twisted pairs of wires: red/black colour used for the power supply and the data transmission of the KNX devices, yellow/white used for another SELV service power supply.

**APPLICATIONS:** can be installed with the 230V power supply cable, and are recommended for protruding or flush assembly, for arrangement in conduits, in dry environments, and outdoors if protected against direct solar irradiation.

## COMMAND DEVICES - ZIGBEE

### CONTACT INTERFACES



GW A1 501

### CONNECTED 2-CHANNELS CONTACT INTERFACES - ZIGBEE

Code	Supply voltage	No. input channels	Input voltage	Max cable length	Dimensions LxHxD (mm)	Pack Carton
GW A1 501	Battery powered	2	Potential-free	15 m	42x40x20	1/4
GW A1 502	230V ac - 50 Hz	2	230V ac	-	42x40x20	1/4

**CHARACTERISTICS:** interface for the connection of 2 independent input contacts (auxiliary axial commands, push buttons and traditional switches sensors etc.), potential-free (GWA1501) or live (GWA1502). GWA1501 powered by CR2032-type battery (replaceable).

**APPLICATIONS:** allows commands to be sent for ON-OFF, timed, roller shutters and Venetian blinds, dimmers, scenarios, priority commands and signalling the current state of the contact.

**NOTES:** installation in flush-mounting boxes, junction boxes or clipped into the ChoruSmart GW1x750 blanking modules.

## ACTUATORS - ZIGBEE

### ACTUATORS FOR GENERIC LOADS



GW A1 521

### 1-CHANNEL CONNECTED ACTUATOR - ZIGBEE

Code	Supply voltage	No. output channels	Output contacts	Dimensions LxHxD (mm)	Pack Carton
GW A1 521	230V ac - 50 Hz	1	1 NO 10A (AC1) 230 V ac	42x40x20	1/4

**CHARACTERISTICS:** 1-channel actuator for the activation of loads through a potential-free output contact (NO). Suitable for controlling incandescent lamps (230 V ac): 2300 W, loads driven by toroidal transformers: 450 W, loads driven by electronic transformers: 600 W, fluorescent lamps: (230 V ac): 150 W, motors: 500 W. Equipped with 1 input for local control of the output.

**APPLICATIONS:** ON-OFF control, timed commands, priority commands and scenario management. If used in combination with the ZigBee GWA1514 water sensor, the installation of a push button (NO) is required for the manual opening of the solenoid valve.

**NOTES:** installation in flush-mounting boxes, junction boxes or clipped into the ChoruSmart GW1x750 blanking modules.



GW A1 522

2-CHANNEL CONNECTED ACTUATOR - ZIGBEE

Code	Supply voltage	No. output channels	Output contacts	Dimensions LxHxD (mm)	Pack Carton
GW A1 522	230V ac - 50 Hz	2	2 NO 6A (AC1) 230 V ac	42x40x20	1/4

**CHARACTERISTICS:** 2-channel actuator for the activation of loads through a 230 V output contact (NO). Suitable for controlling incandescent lamps (230 V ac): 1400 W, loads driven by toroidal transformers: 450 W, loads driven by electronic transformers: 600 W, fluorescent lamps: 150 W, LED lamps (230 V ac): 150 W, motors: 500 W. Equipped with 2 inputs for local control of the outputs.

**APPLICATIONS:** ON-OFF control, timed commands, priority commands and management of scenarios.

**NOTES:** installation in flush-mounting boxes, junction boxes or clipped into the ChoruSmart GW1x750 blanking modules.

ACTUATORS FOR GENERIC LOADS WITH POWER METER



GW A1 523

1-CHANNEL CONNECTED ACTUATOR WITH POWER METER - ZIGBEE

Code	Supply voltage	No. output channels	Output contacts	Dimensions LxHxD (mm)	Pack Carton
GW A1 523	230V ac - 50 Hz	1	1 NO 10A (AC1) 230 V ac	42x40x20	1/4

**CHARACTERISTICS:** 1-channel actuator for the activation of loads through a 230 V output contact (NO) and measurement of instantaneous power. Suitable for controlling incandescent lamps (230 V ac): 2300 W, loads driven by toroidal transformers: 450 W, loads driven by electronic transformers: 600 W, fluorescent lamps: (230 V ac): 150 W, motors: 500 W. Equipped with 1 input for local control of the output.

**APPLICATIONS:** ON-OFF control, timed commands, priority commands and management of scenarios and measurement of instantaneous power.

**NOTES:** installation in flush-mounting boxes, junction boxes or clipped into the ChoruSmart GW1x750 blanking modules.

ACTUATORS FOR ROLLER SHUTTERS



GW A1 531

1-CHANNEL CONNECTED ACTUATOR FOR ROLLER SHUTTERS - ZIGBEE

Code	Supply voltage	Max current supplied	Dimensions LxHxD (mm)	Pack Carton
GW A1 531	230V ac - 50 Hz	6A-230V ac (compl. 60669-2-1)	42x40x20	1/4

**CHARACTERISTICS:** 1-channel actuator for the activation of a motor to operate roller shutters, curtains, Venetian blinds, roller blinds etc. via 2 interlocked output contacts 230 V ac. Suitable for the control of motors: 500 W. Equipped with 2 inputs for local control of the outputs.

**APPLICATIONS:** controlling operation/adjustment/stop, priority commands, scenario management and alarm signalling.

**NOTES:** installation in flush-mounting boxes, junction boxes or clipped into the ChoruSmart GW1x750 blanking modules.

SMART PLUG



GW A1 526

CONNECTED SMART PLUG 230 V AC - GERMAN STANDARD - ZIGBEE

Code	Type of plug	Socket-outlet type	Dimensions ØxH (mm)	Colour	Pack Carton
GW A1 526	2P+E - 10A	2P+E - 10A	41x45	White	1/4

**CHARACTERISTICS:** adaptor with socket, side earthing and safety shields. It detects power consumed by the connected loads and sends the data on the ZigBee network.

## LOAD MANAGEMENT - ZIGBEE

### LOAD MANAGEMENT KITS



GW A1 912

#### PRE-INSTALLED KIT P-COMFORT RF ZIGBEE AND SMART PLUG

Code	Number of smart plugs included	Pack Carton
GW A1 911	1	1
GW A1 912	2	1

**CHARACTERISTICS:** P-Comfort RF ZigBee provided with the kit is pre-installed to operate in Priority mode: when the power threshold is exceeded, loads connected to the Smart plug 1 are disconnected, then the loads connected to the Smart plug 2 and after all the loads wired to the relay inside the device. The reconnection of non-preferential loads is done following reverse sequence.

### P-COMFORT LOAD MANAGEMENT RELAY



GW A1 916

#### CONNECTED P-COMFORT LOAD MANAGEMENT RELAY - ZIGBEE

Code	Rated voltage (V)	Rated current	Type relay contact	Capacity relay contact	No. of modules EN 50022	Pack Carton
GW A1 916	230V ac	32 A	Changeover (potential free contact)	16 A AC1 250 V ac	2	1/6

**APPLICATION:** The P-Comfort relay can be installed in electrical systems limited to a maximum power load of 6 kW. In the event of overload due to the simultaneous switching-on of multiple electrical loads, P-Comfort prevents the interruption of electrical power by disconnecting non-preferred loads controlled by ZigBee-connected actuators: GW1x826, GWA1201, GWA1202, GWA1221, GWA1222, GWA1523, GWA1526, GWA1521 or GWA1522, or wired to the relay contact on the device (maximum 10 devices total). The disconnection and reconnection sequence for non-preferred loads can be set by Priority (regardless of load absorption) or by Power (depending on the power absorbed).

**NOTES:** The Zigbee-connected actuators GW1x826, GWA1201, GWA1202, GWA1221, GWA1222 can only be controlled in combination with the "Home Gateway" GW1x840.

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## SENSORS AND ALARMS - ZIGBEE

### SENSORS



GW A1 511

#### CONNECTED MOVEMENT SENSOR - ZIGBEE - IP30

Code	Max range	Light sensor	Temperature sensor	Colour	Dimensions LxHxD (mm)	Pack Carton
GW A1 511	6 m	3...70.000 lux	0...50 °C	White	82x82x28	1/2

**FEATURES:** motion sensor with horizontal detection angle:  $\pm 45^\circ$  and vertical detection angle:  $\pm 45^\circ$ . Includes a brightness sensor and a temperature sensor. CR123 (replaceable) type battery power supply.

**NOTES:** Wall or shelf installation via included accessories.

For the control of actuators, use the sensor in combination with the connected Zigbee actuators GW1x826, GWA1201 or GWA1202, GWA1221 or GWA1222 (max 5 sensors per actuator) or with the connected Zigbee actuators GWA1526, GWA1521, GWA1522, GWA1523 (max 1 sensor per actuator). The Zigbee-connected actuators GW1x826, GWA1201, GWA1202, GWA1221, GWA1222 can only be controlled in combination with the "Home Gateway" GW1x840.



GW A1 513

#### CONNECTED WINDOW SENSOR - ZIGBEE - IP40

Code	Sensor type	Temperature sensor	Material	Colour	Dimensions LxHxD (mm)	Pack Carton
GW A1 513	Magnetic	0...50 °C	Plastic	White	76x26x17	1/6

**FEATURES:** the sensor detects the opening and closing of doors and windows and includes a temperature sensor. Powered with 2 AAA type batteries (replaceable).

**NOTES:** Installation on doors or windows.

Use the sensor in combination with the connected Zigbee actuators GW1x826, GWA1201 or GWA1202 (max 5 sensors per actuator) or with the ZigBee actuators GWA1521, GWA1522, GWA1523 (max 1 sensor per actuator). The Zigbee-connected actuators GW1x826, GWA1201, GWA1202 can only be controlled in combination with the "Home Gateway" GW1x840.

## ALARMS



GW A1 512

### CONNECTED SMOKE SENSOR - ZIGBEE - IP20

Code	Siren output	Temperature sensor	Colour	Dimensions (mm)	Pack Carton
GW A1 512	85 dB/3 m	0...50 °C	White	Ø 65x40	1/6

**FEATURES:** the sensor detects the presence of smoke and includes a temperature sensor. Power supplied by a CR123 type (replaceable) battery.

**NOTES:** wall or ceiling installation.

To operate a solenoid valve, use the sensor in combination with the connected Zigbee actuators GW1x826, GWA1201 or GWA1202 (max 5 sensors per actuator if the actuator is configured for automatic solenoid reset; unlimited sensors for manual reset) or with Zigbee actuators GWA1521, GWA1522, GWA1523 (max 1 sensor per actuator if the actuator is configured for automatic solenoid reset; unlimited sensors for manual reset). The Zigbee-connected actuators GW1x826, GWA1201, GWA1202 can only be commanded in conjunction with the "Home Gateway" GW1x840.



GW A1 514

### CONNECTED WATER SENSOR - ZIGBEE - IP20

Code	Siren output	Temperature sensor	Colour	Dimensions (mm)	Pack Carton
GW A1 514	85 dB/3 m	0...50 °C	White	Ø 60x37	1/6

**FEATURES:** the sensor detects the presence of water and includes a temperature sensor. CR123 (replaceable) type battery power supply.

**NOTES:** floor installation or alternative wall mounted option using the accessory GWA1541.

To activate a solenoid valve, use the sensor in combination with the connected Zigbee actuators GW1x826, GWA1201 or GWA1202 (max 5 sensors per actuator if actuator is configured for automatic solenoid reset; unlimited sensors for manual reset) or with Zigbee actuators GWA1521, GWA1522, GWA1523 (max 1 sensor per actuator if actuator is configured for automatic solenoid reset; unlimited sensors for manual reset). Zigbee connected actuators GW1x826, GWA1201, GWA1202 can only be controlled in conjunction with the GW1x840 Home Gateway.



GW A1 541

### WALL-MOUNTING SUPPORT FOR FLOOD ALARM

Code	Colour	Support dimension (mm)	Dimensions of probe (mm)	Cable max. length (cm)	Pack Carton
GW A1 541	White	Ø72x25	Ø50x8	85	1/4

**APPLICATIONS:** to be used for the wall-mounting of the Zigbee flood alarm GWA1514.

## ACCESSORIES

### ACCESSORIES



GW 14 750

### BLANKING MODULES FOR HOUSING ZIGBEE CONTACTS INTERFACES AND ACTUATORS

Code	Colour	No. modules	Pack Carton
GW 10 750	Glossy white	1	1/12
GW 15 750	Satin White	1	1/12
GW 13 750	Natural satin beige	1	1/12
GW 12 750	Satin black	1	1/12
GW 14 750	Glossy Titanium	1	1/12

**CHARACTERISTICS:** 1-module blanking module with pad-printing. Enables the housing and rapid identification of the recessed connected control devices, of the recessed connected actuators and the connected energy meter with load control.

**NOTES:** snap-in assembly.





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### ADVANCED SOLUTIONS



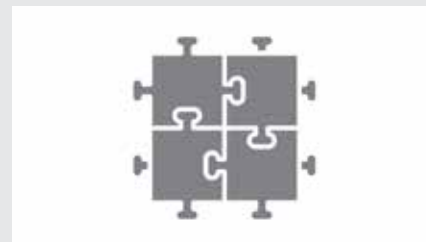
The system is suitable for the advanced automation of applications within a residential and small-to-medium offices. It is very flexible and allows you to control even very extensive installations with a large number of devices.

### KNX INTERNATIONAL STANDARD



The system is based on the international standard protocol KNX, the world most widely used protocol for home and building automation applications, making them very robust and ensuring interoperability between devices from different manufacturers. This ensures reliable solutions free from the risk of technological obsolescence, which is a major difficulty with solutions based on proprietary protocols.

### INTEGRATION WITH THIRD-PARTY SYSTEMS



In addition to offering a wide range of functions for controlling safety, comfort and consumption, the system is further complemented by the integration of third-party systems for video intercoms (2N system), access control using Smart Lock (ISEO Argo system) and for entertainment and audio (SONOS system).