SPCG310

SPC E-BUS Gateway - Enhanced

Vanderbilt's enhanced E-BUS Gateway is a new and exciting addition to the SPC series - the most innovative generation of intrusion detection systems on the market. It enables communication between the SPC controller and a wide range of E-BUS peripherals, allowing customers to mix and match SPC X-BUS and E-BUS devices to form a hybrid network, managed by SPC.

The SPC E-BUS Gateway facilitates a smooth transition from Sintony to SPC without having to replace and re-wire existing Sintony peripheral E-BUS devices. That means you can capitalise on the investment you have already made in Sintony devices with a seamless interface to SPC's powerful intrusion control functionality. It therefore opens the door for an efficient and cost effective system migration.

Importantly, the SPC E-BUS Gateway is also suitable for daisy-chain networks, in which multiple BUS devices can be wired together in spur or in a ring. It now supports an increased number of up to 56 MAGIC E-BUS motion detectors per SPC panel. With Vanderbilt`s MAGIC PIR and Dual detectors, customers can take advantage of industry leading catch performance and false alarm immunity in a stylish and slim form factor suitable for all installation scenarios.

Key Features include:

- **Seamleess interface:** Gateway between SPC X-BUS and Sintony E-BUS.
- **BUS detector solution:** Supports up 56 MAGIC E-BUS detectors per SPC control panel.
- **Preserve existing wiring and devices:** Supported Sintony peripheral devices can remain in situ on the E-BUS without a need for replacing or re-wiring.
- **Simple setup and configuration:** Initial system setup is simple and easy via the SPC Web Browser and system configuration is effortless using standard SPC installer tools.
- **Improved system response times:** Sintony device response times are improved due to the installation of SPC control panel and SPCG310 mapping of Sintony devices to SPC devices.
- **Flexible installation:** Small, compact and easy to install.

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Features & Benefits

■ Hybrid System Gateway

The SPC E-BUS Gateway enables communication between the SPC controller and a wide range of E-BUS peripherals, allowing customers to mix and match SPC X-BUS and E-BUS devices to form a hybrid network, managed by SPC.

■ Detector BUS Solution

The SPC E-BUS Gateway is specifically designed for daisy-chain networks, in which multiple BUS devices can be wired together in spur or in a ring. It now supports an increased number of up to 56 MAGIC E-BUS motion detectors per SPC panel.

■ Flexible Installation

The SPC E-Bus Gateway is designed to be small and compact, so that a variety of installation options can be supported. Delivered as a PCB without housing, it fits inside the SPC controller housing, the Sintony PSU or even the Sintony transponder housing.

■ Migration Path

The SPC E-BUS Gateway facilitates a smooth transition from Sintony to SPC without having to replace and re-wire existing Sintony peripheral E-BUS devices. It therefore facilitates efficient and cost effective system migration.

■ Intelligent Device Mapping

The SPC E-BUS Gateway maps E-BUS peripheral devices to similar SPC X-BUS peripheral devices so that they can be identified by the SPC system controller. Through the new SPC controller firmware, each MAGIC detector is mapped as a virtual 2 Zone Expander allowing an increased number of detectors on the SPC system.

■ Setup and Configuration

Initial system setup is simple and easy via the SPC Web Browser and system configuration is effortless using standard SPC installer tools.

Recommended Accessories

■ MAGIC E-BUS detectors

Vanderbilt`s MAGIC PIR and Dual motion detectors are an exciting new advance in security that provide the most reliable, convenient and cost effective solution for industry leading catch performance and false alarm immunity.

■ LCD Keypads

Vanderbilt`s SAK41 and SAK51 LCD Keypads can be used for the operation and programming of SPC control panels on different access levels via the E-BUS Gateway SPCG310. Their alphanumeric keyboard and the display are fitted with backlights.

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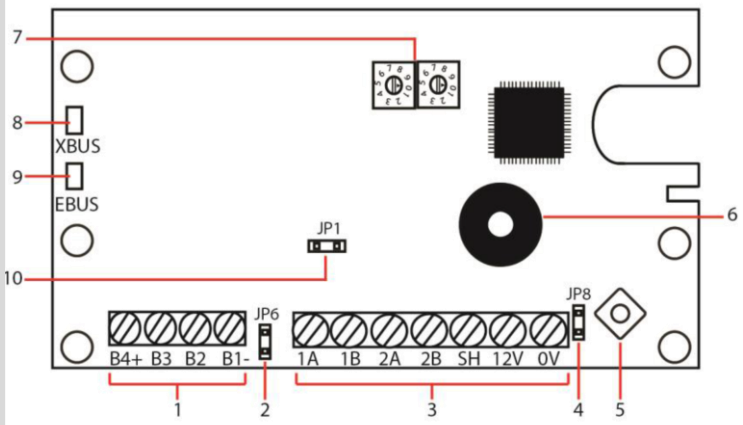

1 E-BUS terminals
2 X-BUS/E-BUS power jumper
3 X-BUS terminals
4 Tamper-bypass jumper
5 Tamper switch
6 Buzzer
7 X-BUS addressing switches
8 X-BUS indication LED
9 E-BUS indication LED
10 X-BUS termination jumper

Functional Data

Max. number of gateways	5x SPCG310 per SPC / Sintony system 1x SPCG310 per Sintony E-BUS section
Max. number of Sintony inputs**	252
Max. number of Sintony outputs**	174
Max. number of MAGIC E-BUS motion detectors	
– SPC4000	16
– SPC5000	56
– SPC6000	56
Sintony device compatibility	
– I/O Transponders	SAT12/SMT12/SMT22/SAT24/SMT24/SMT44
– Keypads	SAK41/SAK51/SAK53
– PSUs	SAP08/SAP14*/SAP20*/SAP25
– Other	SAR11/SMR11/SAH14
E-BUS detector compatibility	
– PIR motion detectors	PDM-E-I12/PDM-E-I18T
– Dual motion detectors	PDM-E-IXD12/PDM-E-IXD18T

Technical Data

Interfaces	X-BUS (In / Out) E-BUS
Operating voltage	9.5 - 14V DC
Operating current	40mA
Quiescent current	40mA
Tamper contact	Tamper switch
Environmental conditions	
– Operating temperature	-10°C ~ 50°C
– Air humidity (EN 60721)	Max. 90%rh, non-condensing

Product Data

Dimensions	92mm x 52mm x 13mm
Approvals	VdS Class C, SES, VSÖ (pending)

Ordering Information

Type	Art. No.	Description	Weight*
SPCG310	V54554-A101-A100	SPCG310.000 SPC E-BUS Gateway	0.020kg
PDM-E-I12	V54530-F115-A100	PDM-E-I12 E-BUS PIR Detector	0.110kg
PDM-E-I18T	V54530-F116-A100	PDM-E-I18T E-BUS PIR AM Detector	0.112kg
PDM-E-IXD12	V54531-F130-A100	PDM-E-IXD12 E-BUS DUAL Detector	0.139kg
PDM-E-IXD18T	V54531-F131-A100	PDM-E-IXD18T E-BUS DUAL AM Detector	0.170kg
SAK41	BPZ:8006590001	SAK41 LCD keypad	0.300kg
SAK51	BPZ:8006630001	SAK51 LCD keypad	0.260kg
SAT12	BPZ:8006150001	SAT12 Transponder (4 Input / 2 Output)	0.180kg
SMT12	BPZ:8006160001	SMT12 Transponder board (4 Input / 2 Output)	0.100kg
SMT22	S54542-F110-A100	SMT22 Transponder (2 Input / 2 Output)	0.080kg
SAT24	S54542-F112-A100	SAT24 FM Transponder (4 Input / 2 Output)	0.080kg
SMT24	S54542-F111-A100	SMT24 FM Transponder (4 Input / 2 Output)	0.080kg
SMT44	BPZ:8006730001	SMT44 Output Transponder board (8 Output)	0.200kg
SAP14	BPZ:8003160001	SAP14 External power supply	5.200kg
SAP20	BPZ:8006880001	SAP20 External power supply	10.00kg
SAP25	BPZ:8002930001	SAP25 External power supply	10.00kg
SAR11	BPZ:8000990001	SAR11 E-BUS Repeater / Isolator	0.200kg
SMR11	BPZ:8001090001	SMR11 E-BUS Repeater / Isolator board	0.100kg
SAH14	BPZ:8001410001	SAH14 Plastic Housing	0.117kg

* Total weight of the product inclusive of the weight of its accessories and packaging.

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