



Thorsten Reibel & Jürgen Schilder – ABB Customer Training Center Heidelberg / December 2014

Integration of alarm technology and intelligent building control

Webinar: KNX Security Panel GM/A

Alarm technology and intelligent building control

A winning combination



- Application of alarm technology
- Application of intelligent building control
- Using the sensors and functionalities of professional alarm technology in addition for intelligent building control



History of ABB alarm technology

More than 30 years of experience

Know how in alarm technology since 1975



1975
Intrusion
alarm
systems
SAL2/4/8



1983
Intrusion
alarm
system
ER41



1985-1987
Intrusion
alarm
systems
L102, L204,
L804, L808



1996-1999
Intrusion
alarm
systems
L108, L208,
L840



2005
Intrusion
alarm
system
L240

Stand-Alone

Integrated into
intelligent building
control



1998
ABB i-bus
EIB Zone
Terminal



2000
ABB i-bus
EIB Interface
for intrusion
alarm
system
L208



2001
ABB i-bus
EIB Zone
Terminal FM



2004
ABB i-bus
KNX
Security
Module



2008
ABB i-bus
KNX
Interface
for
intrusion
alarm
system
L240



2010
ABB i-bus
KNX
Security
Terminals



2013
ABB i-bus
KNX
Hazard
Warning
System

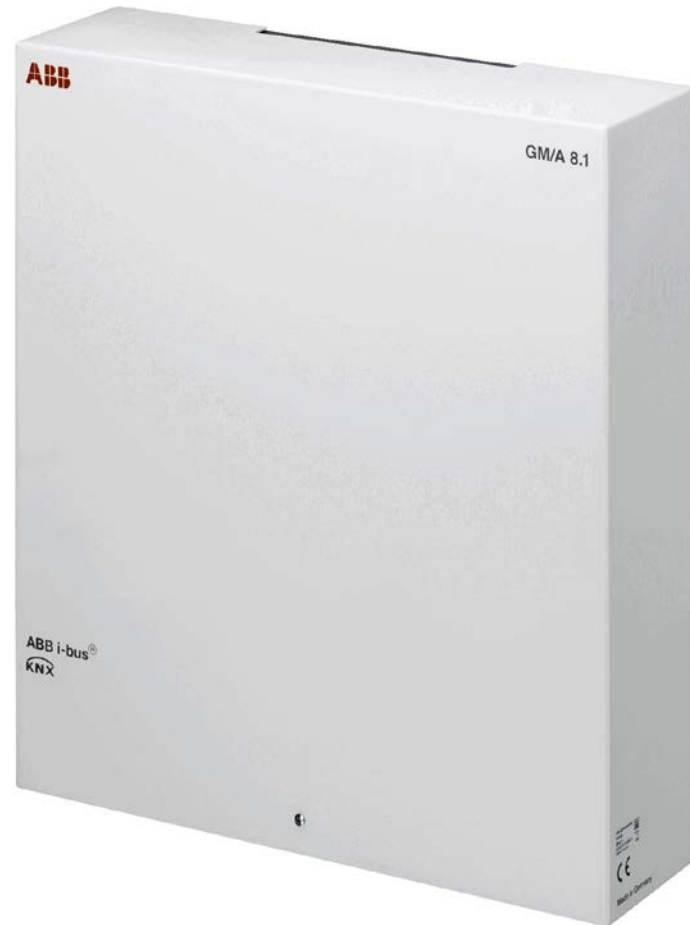
Know how in intelligent building control since 1980

Innovation

KNX Security Panel GM/A 8.1

Know how in alarm technology since 1975

Know how in intelligent building control since 1980



KNX Security Panel GM/A 8.1

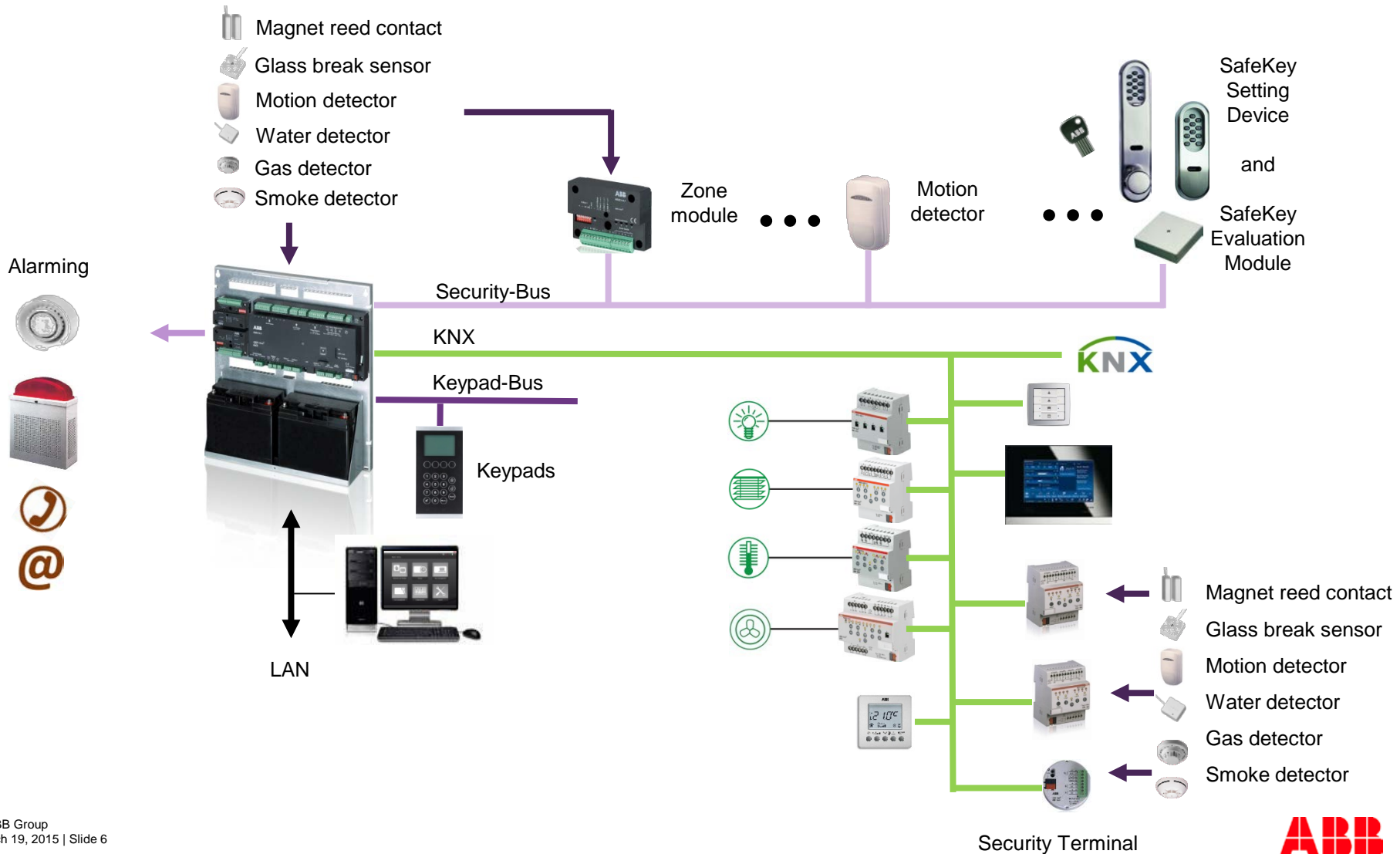
One system – all interfaces



- ↔ Ethernet connection for programming, diagnostics and operation via standard webbrowser
- ← Direct inputs for security sensors
- ↔ Keypads
- Internal, external or remote alarming
- ↔ Security-Bus for zone modules, motion detectors and setting devices
- ↔ KNX interface to display alarm states via displays of intelligent building control and to control automatic functions with support of security sensors

KNX Security Panel GM/A 8.1

A complete product portfolio



KNX Security Panel GM/A 8.1

Overview

Administration of max. 344 zones

- | | |
|----------------------------------|-------|
| ▪ 8 onboard zone inputs | 8 |
| ▪ 64 Bus motion detectors | + 64 |
| ▪ 32 Zone Modules (each 4 zones) | + 128 |
| ▪ 8 SafeKey Module (2 zones) | + 16 |
| ▪ 128 zone inputs via KNX | + 128 |

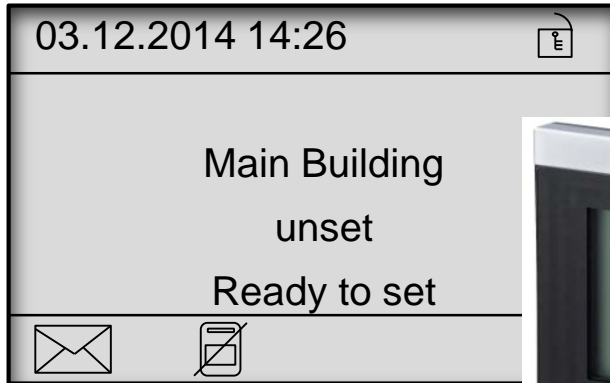
Total zone inputs	344
--------------------------	------------

Hint

- Number of zones via Security Bus depends on required current and cable length/cross section (max. 800 mA)

KNX Security Panel GM/A 8.1

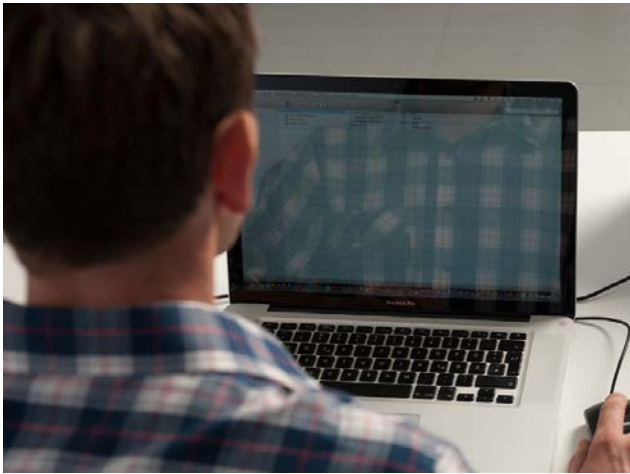
Keypad BT/A 1.1



- The keypad is used to operate and display the information of the system states of the GM/A KNX Security Panel
- The multifunction and special keys mean that all the system functions can be operated easily
- All the keys are preconfigured. They can be reconfigured using the web interface
- Safety-relevant functions are protected by a user PIN
- The device can be used in systems with increased system requirements according to VdS and EN 50131/IEC
- For direct connection to the Keypad-Bus

KNX Security Panel GM/A 8.1

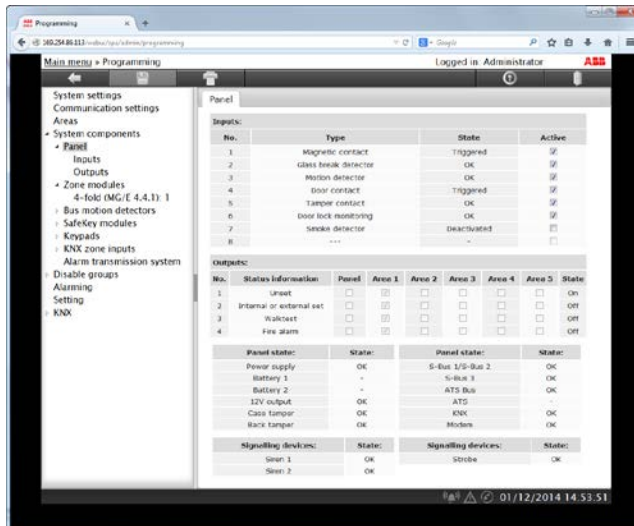
Comissioning



- Parameter setting via standard webbrowser (Internet Explorer, Firefox, Chrome)

Benefits:

- No programming device
- No special software
- Clear overview and easiest commissioning



KNX Security Panel GM/A 8.1 Highlights

- First EN/IEC compliant KNX Security System on market
- Supports different languages (DE, EN, FR, IT, NL, ES, PL)
- Applicable from low to medium-high risk applications
- Universal usage for all kinds of hazards in a building like intrusion, hold-up and technical risks (Smoke/Heat, gas and water)
- Commissioning, visualization and operation via standard webbrowser
- Integrable with modern building- and communication technologies via ethernet and KNX



KNX Security Panel GM/A 8.1

Secured communication & protected access



- Encryption of all data via Secure Sockets Layer (SSL)
- Login via web interface **only** with username and password

Benefits:

- Highest security against attacks from local network





KNX Security Panel GM/A 8.1

Landing-Page KNX-Alarm



Website for KNX alarm topics:

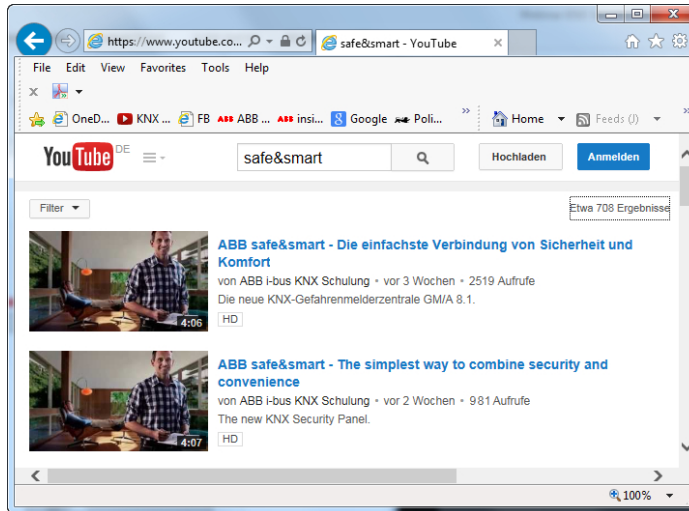
- www.abb.de/knx-alarm 
- www.abb.com/knx-alarm  coming soon...

Benefits:

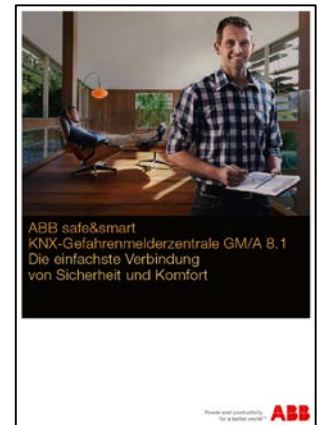
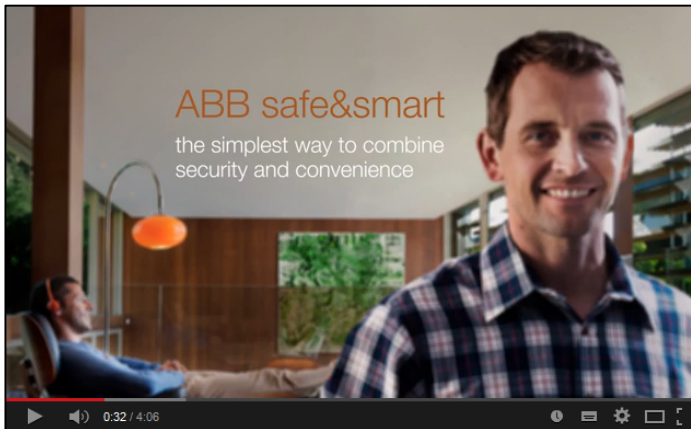
- All news and informations at one place
- Links to all needed additional informations (e.g. Product informations, e-Learnings, training dates, etc.)

KNX Security Panel GM/A 8.1

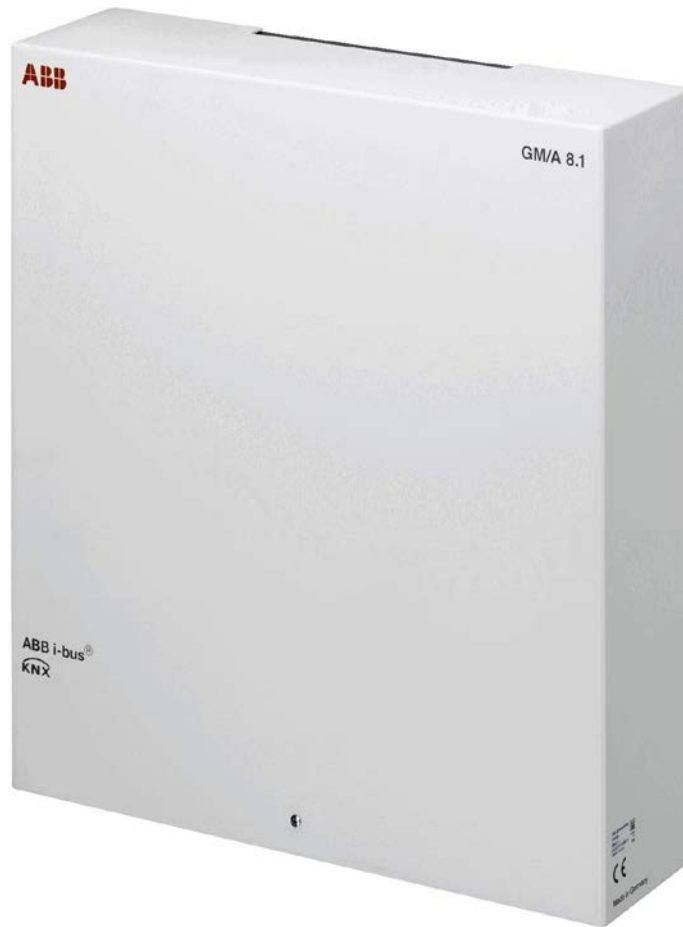
Marketing Tools



Video: „safe&smart“

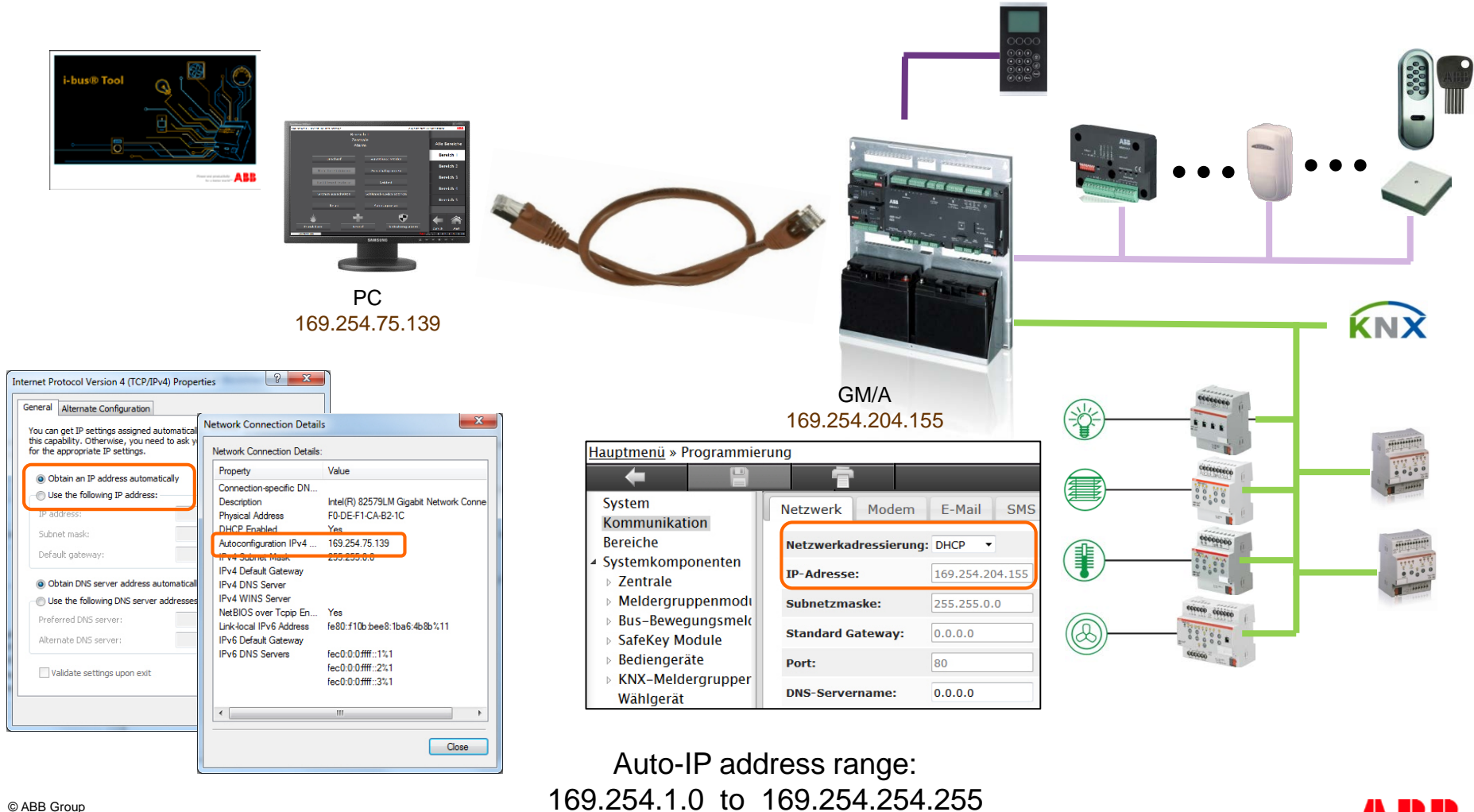


KNX Security Panel GM/A 8.1



KNX Security Panel GM/A 8.1

Commissioning – direct (Auto-IP)

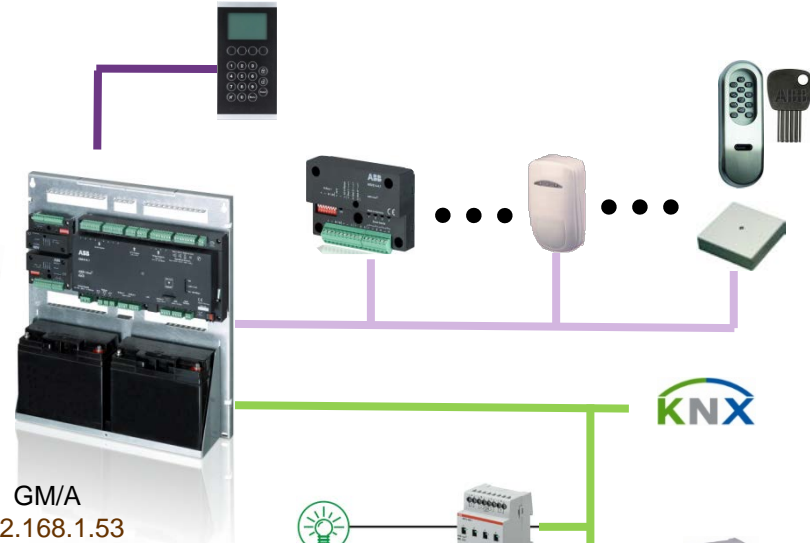


KNX Security Panel GM/A 8.1

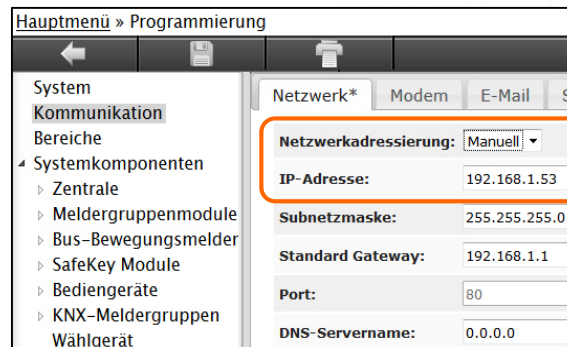
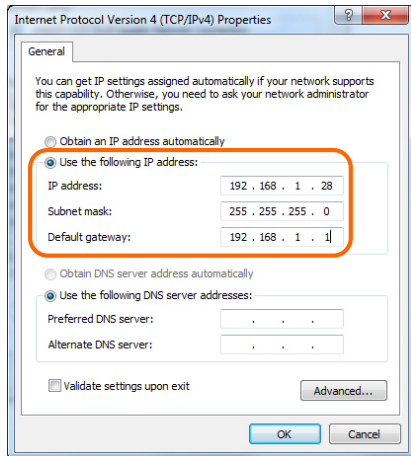
Commissioning – direct (Fixed-IP)



PC
192.168.1.28

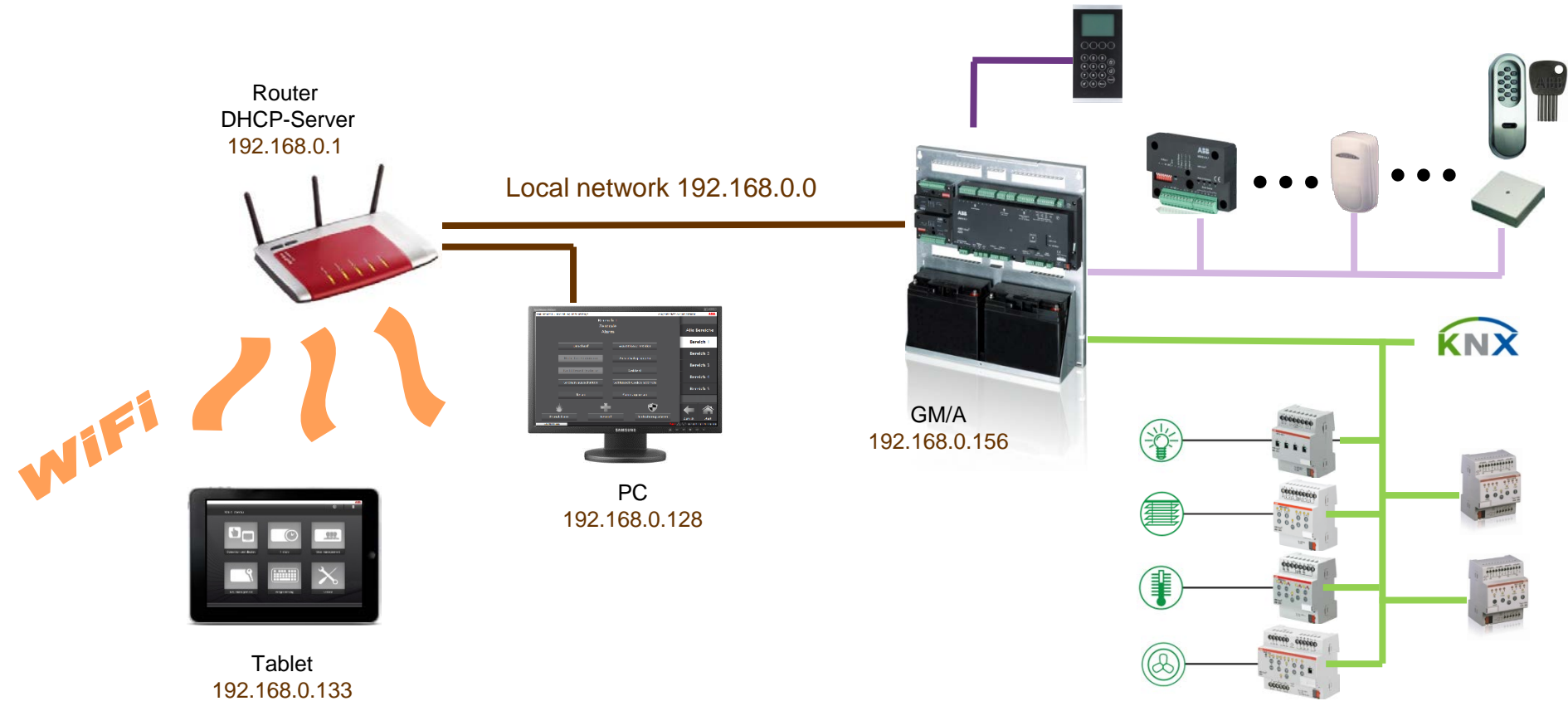


GM/A
192.168.1.53

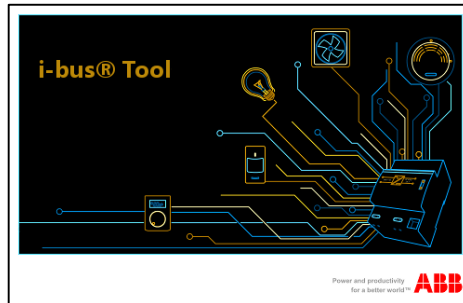


KNX Security Panel GM/A 8.1

Commissioning – router with DHCP-Server

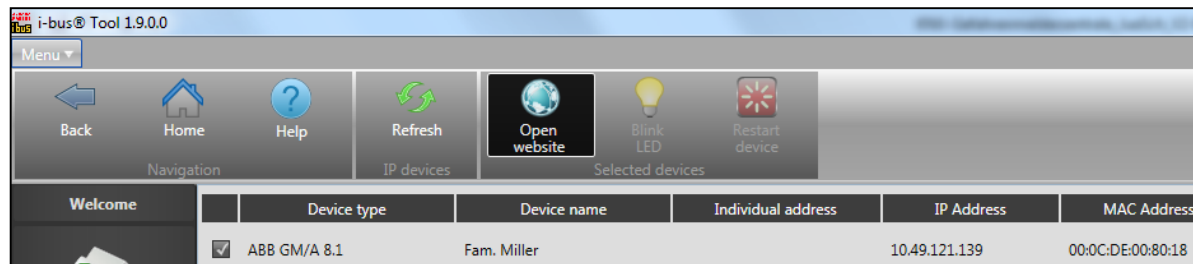


KNX Security Panel GM/A 8.1 Commissioning



i-bus® Tool

- Start i-bus® Tools via file „i-bustool.exe“
- Press button „Connect“
- Change over to „IP Devices“
- IP network will be searched for ABB KNX IP devices
- KNX Security Panel will be listed as „ABB GM/A 8.1“



KNX Security Panel GM/A 8.1

i-bus® Tool

i-bus Tool 1.7.1.10

Menu ▾

Navigation: Back, Home, Help

IP devices: Refresh

Selected devices: Open website, Blink LED, Restart device

Welcome

Connect to device

Demo

	Device type	Device name	Individual address	IP Address	MAC Address
<input type="checkbox"/>	ABB IPR/S 2.1	ABB IP-Router IPR/S	1.1.0	192.168.0.102	00:0C:DE:08:50:8C
<input checked="" type="checkbox"/>	ABB GM/A 8.1	Hotel "Heidelberg"	1.1.150	192.168.0.108	00:0C:DE:01:80:70

IP devices

All

- IPS/S 2.1
- IPR/S 2.1
- IPR/S 3.0
- IG/S 1.1
- TG/S 3.2

DISCOVERY_SEARCH_RESPONSE
GM/A 8.1
DeviceName=Hotel "Heidelberg"
IpAddr=192.168.0.108
Subnet=255.255.255.0
Gateway=192.168.0.1
SerNum=000208154711
MacAddr=00:0cde:01:80:70
Firmware=00310C000301010100
Buildnumber:1.0.703.49024
PA 1.1.150
ECUAppState=loaded

Log

USB Disconnected Telegrams per second 6 Refresh mode Automatic i-bus Tool 1.7.1.10 ABB Copyright © 2013

KNX Security Panel GM/A 8.1

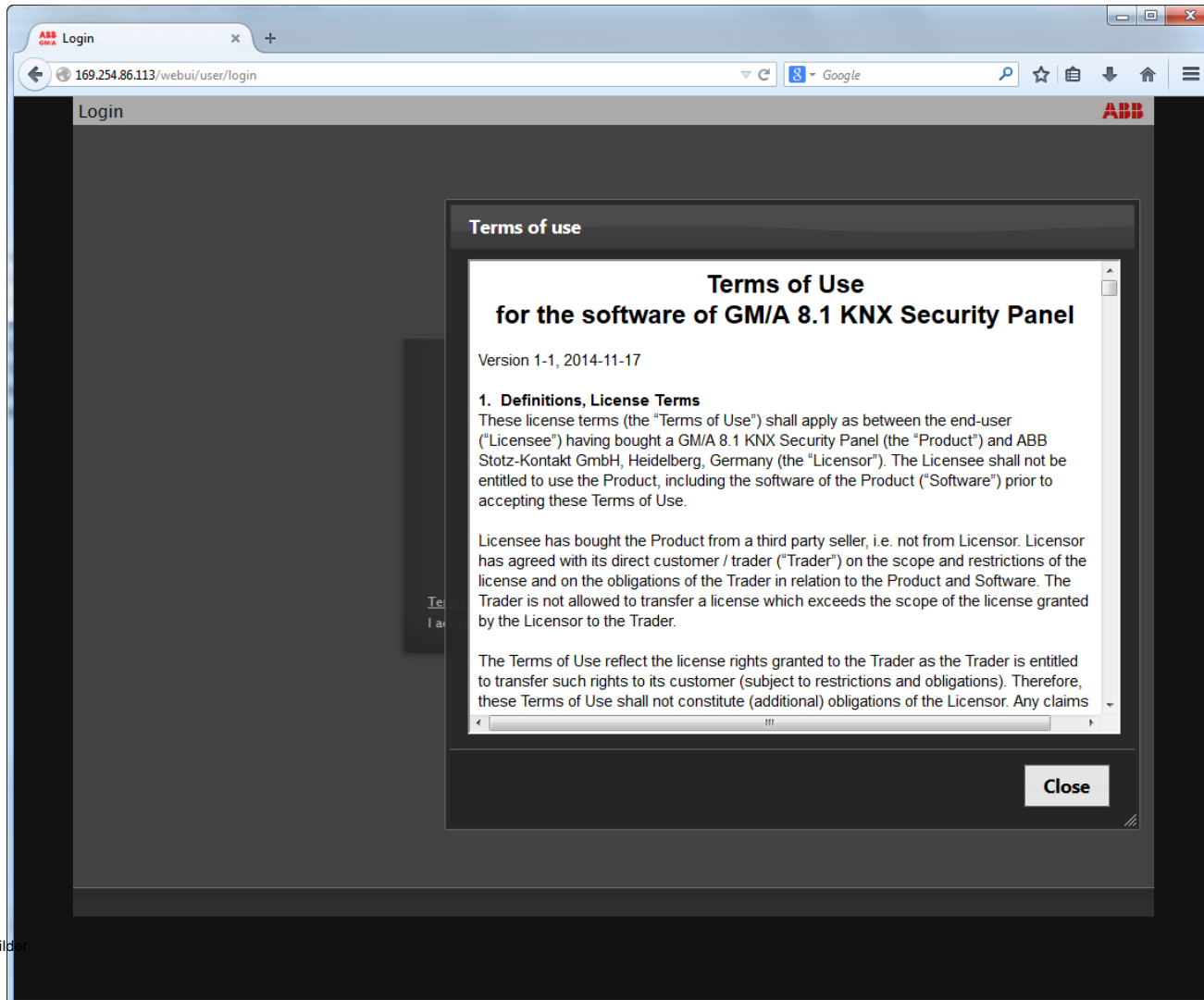
Commissioning – Login

The screenshot shows a web browser window with the title 'Login' and the ABB logo in the top right corner. The address bar displays the URL '169.254.86.113/webui/user/login'. The main content area is a dark gray rectangle with a lighter gray login form in the center. The form contains the following elements:

- User name:** A text input field.
- Password:** A password input field.
- Login:** A button with the text 'Login'.
- Terms of use:** A link labeled 'Terms of use'.
- I accept terms of use:** A checkbox.

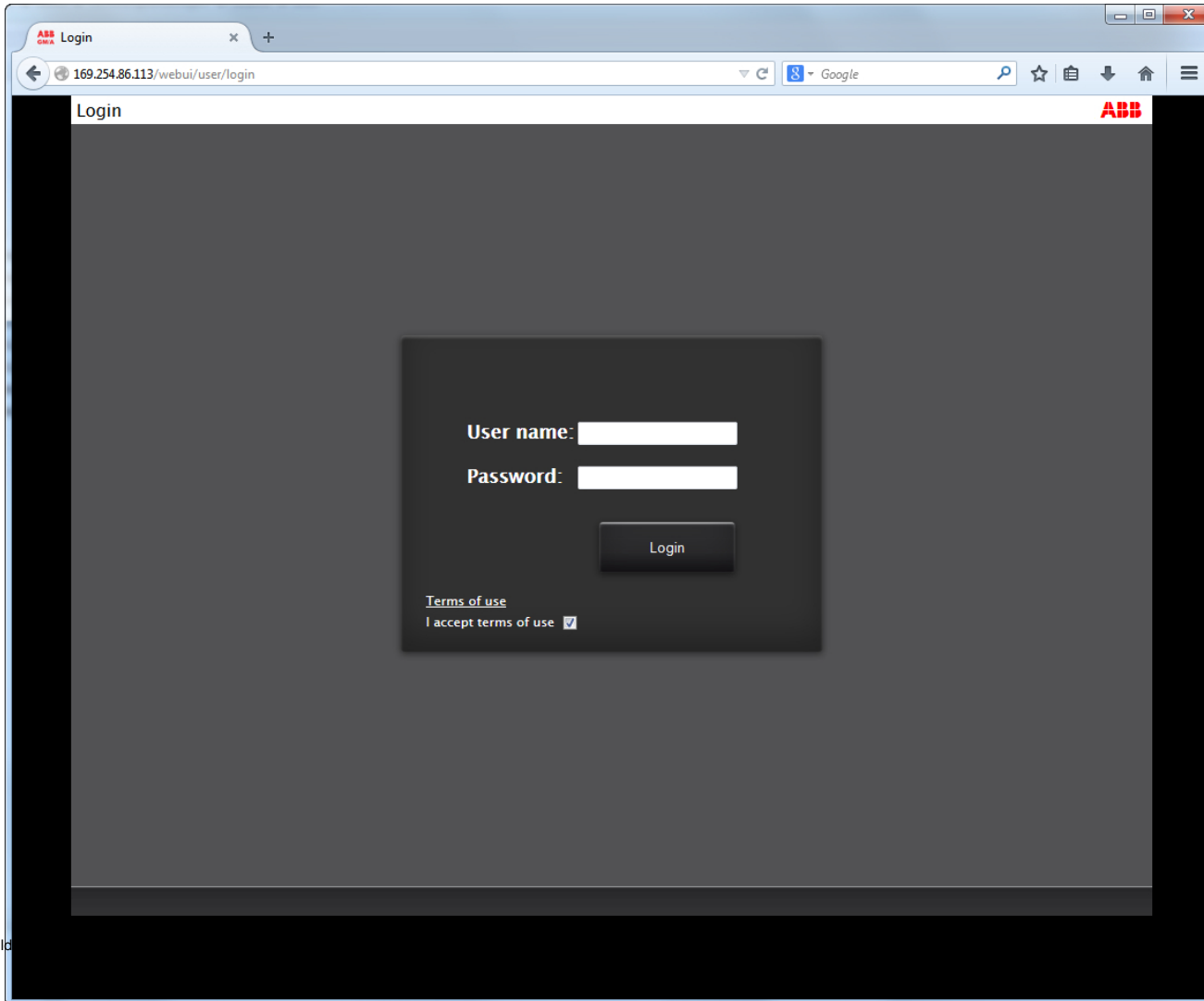
KNX Security Panel GM/A 8.1

Commissioning – Login



KNX Security Panel GM/A 8.1

Commissioning – Login



The screenshot shows a web browser window with the title "Login" and the ABB logo in the top right corner. The address bar displays the URL "169.254.86.113/webui/user/login". The main content area is a dark gray rectangle with a white login form in the center. The form contains the following elements:

- User name:** A text input field.
- Password:** A password input field.
- Login:** A button.
- Terms of use:** A link.
- I accept terms of use:** A checkbox that is checked.

KNX Security Panel GM/A 8.1

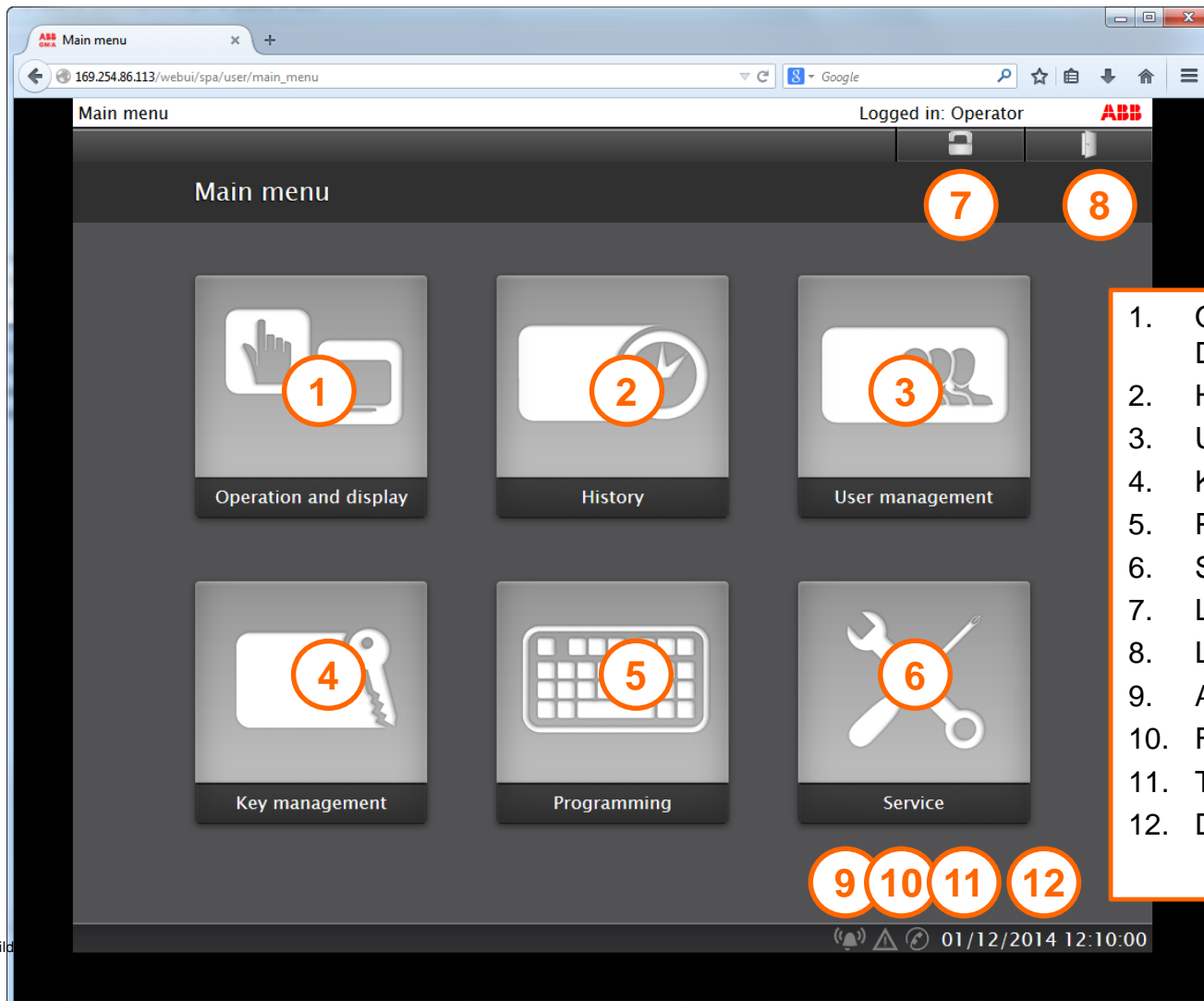
Commissioning – Login “Operator”

The screenshot shows a web browser window with the title "Login" and the ABB logo in the top right corner. The address bar displays the URL "169.254.86.113/webui/user/login". The main content area is a dark gray rectangle with a white login form in the center. The form contains the following elements:

- User name:** A text input field containing the text "Operator".
- Password:** A password input field with masked characters (dots).
- Login:** A dark gray button with the text "Login" in white.
- Terms of use:** A link labeled "Terms of use" followed by a checked checkbox and the text "I accept terms of use".

KNX Security Panel GM/A 8.1

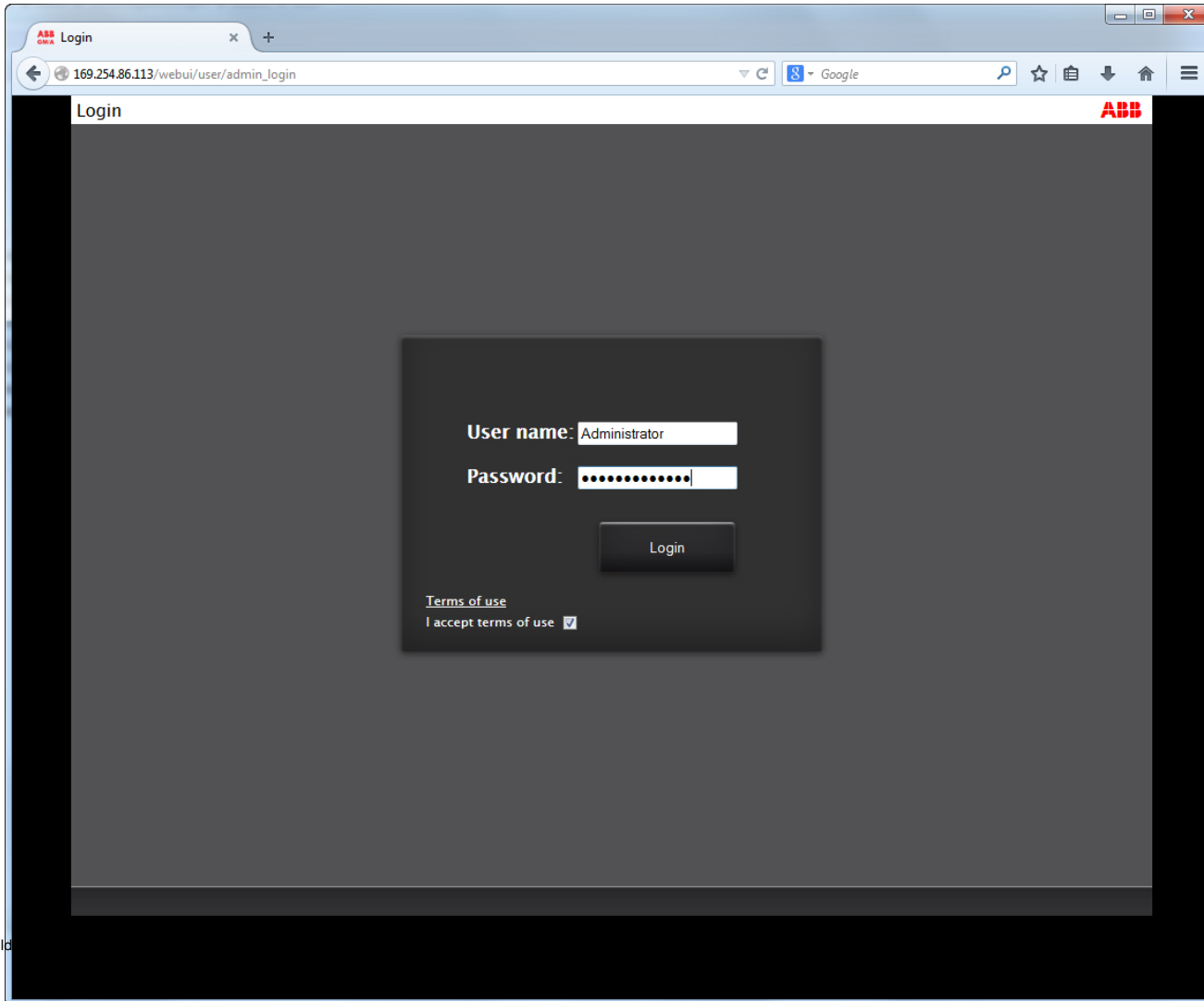
Main Menu: Operator



1. Operation and Display
2. History
3. User Management
4. Key Management
5. Programming
6. Service
7. Log in Administrator
8. Log out
9. Alarm symbol
10. Fault symbol
11. Telephone symbol
12. Date and time

KNX Security Panel GM/A 8.1

Login “Administrator”



The screenshot shows a web browser window with the title "Login" and the ABB logo in the top right corner. The address bar displays the URL "169.254.86.113/webui/user/admin_login". The main content area is a dark gray rectangle with a white border. Inside this rectangle, there is a dark gray box containing the login form. The form has two input fields: "User name:" with the text "Administrator" and "Password:" with a masked password represented by dots. Below the password field is a "Login" button. At the bottom of the form, there is a link for "Terms of use" and a checkbox labeled "I accept terms of use" which is checked.

ABB Login

169.254.86.113/webui/user/admin_login

Login

User name: Administrator

Password:

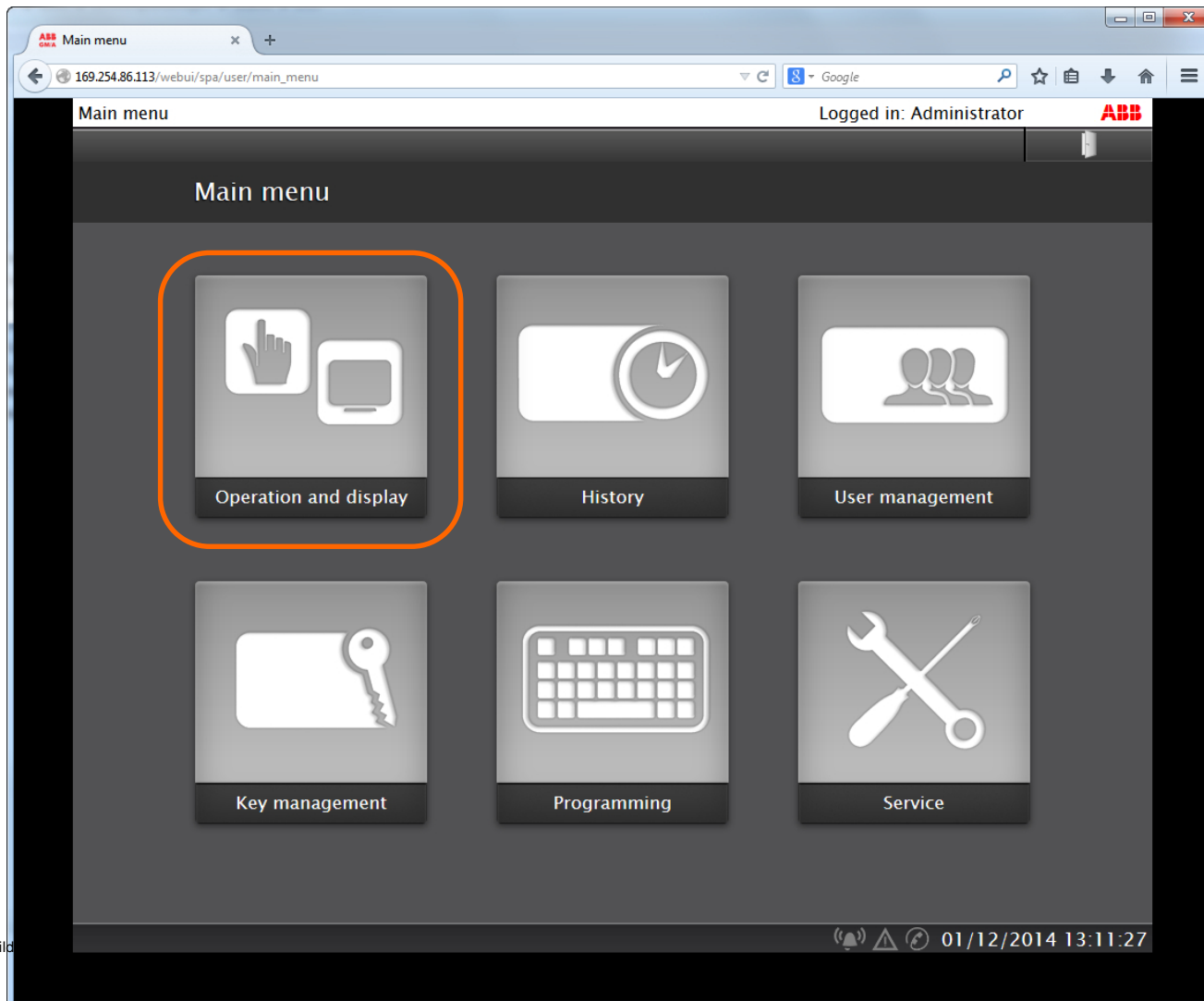
Login

[Terms of use](#)

I accept terms of use ☒

KNX Security Panel GM/A 8.1

Main Menu: Operation and Display



KNX Security Panel GM/A 8.1

Main Menu: Operation and Display – all Areas

The screenshot shows a web browser window with the address bar displaying `169.254.216.134/webui/spa/user/status`. The page title is "Main menu » Operation and status". The user is logged in as "Administrator".

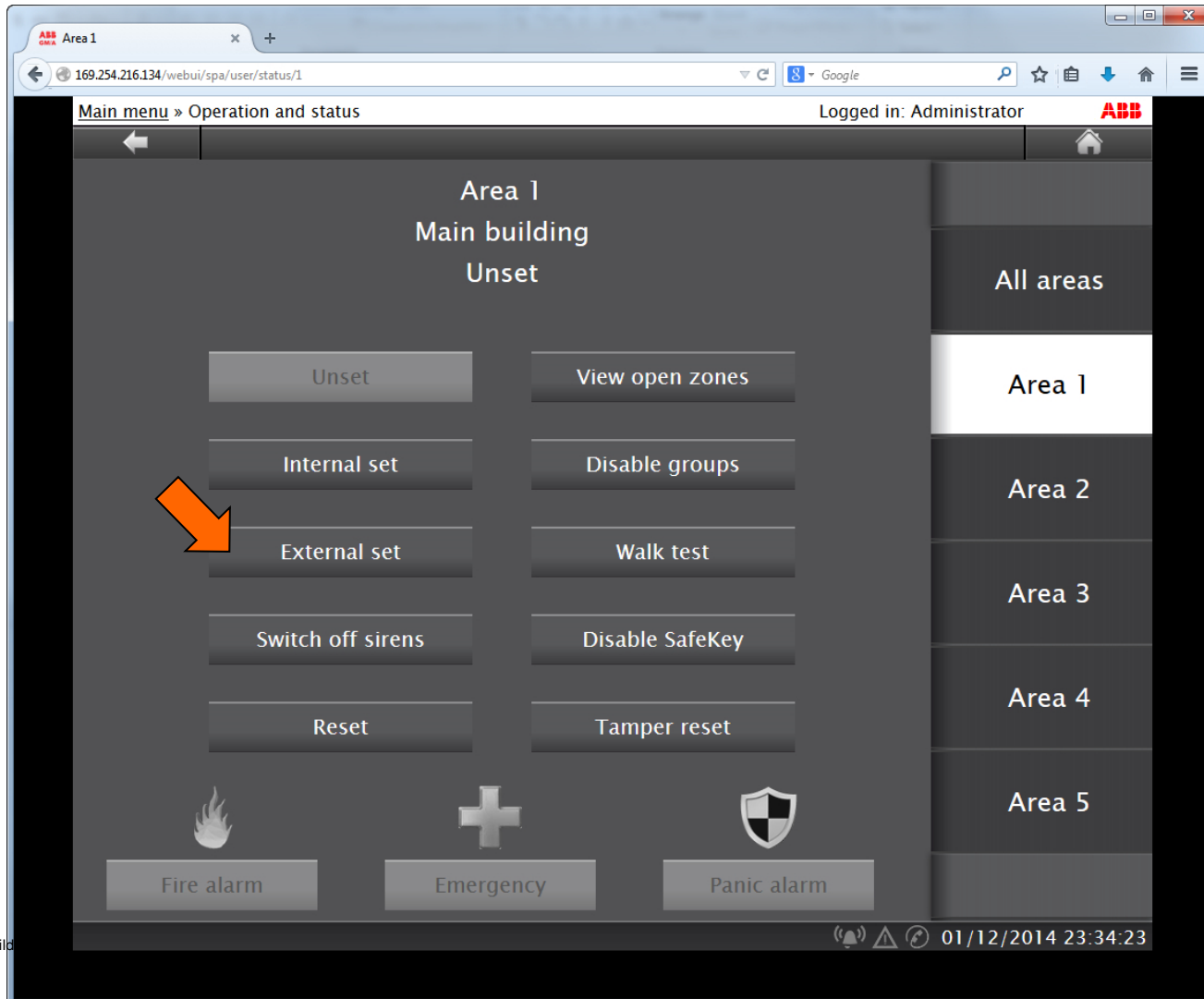
Area	Name	State	Ready to set (internally)	Ready to set (externally)	Alarm / Fault
Area 1	Main building	Unset	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Area 2	area 2	Unset	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Area 3	area 3	Unset	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Area 4	area 4	Unset	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Area 5	area 5	Unset	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

On the right side of the table, there is a vertical list of area names for selection: "All areas", "Area 1", "Area 2", "Area 3", "Area 4", and "Area 5".

The bottom status bar shows the date and time: "01/12/2014 23:33:41".

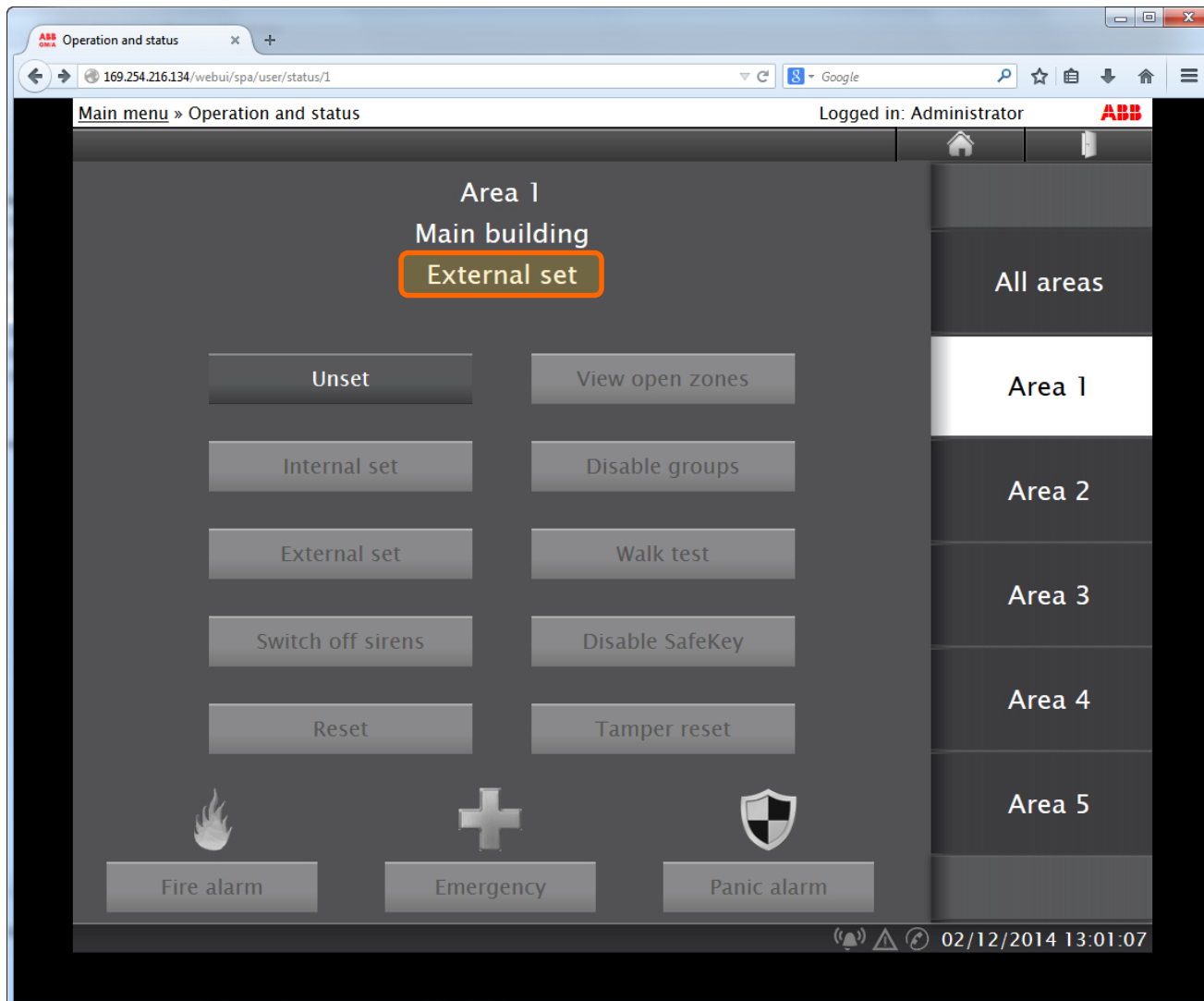
KNX Security Panel GM/A 8.1

Main Menu: Operation and Display – Area 1



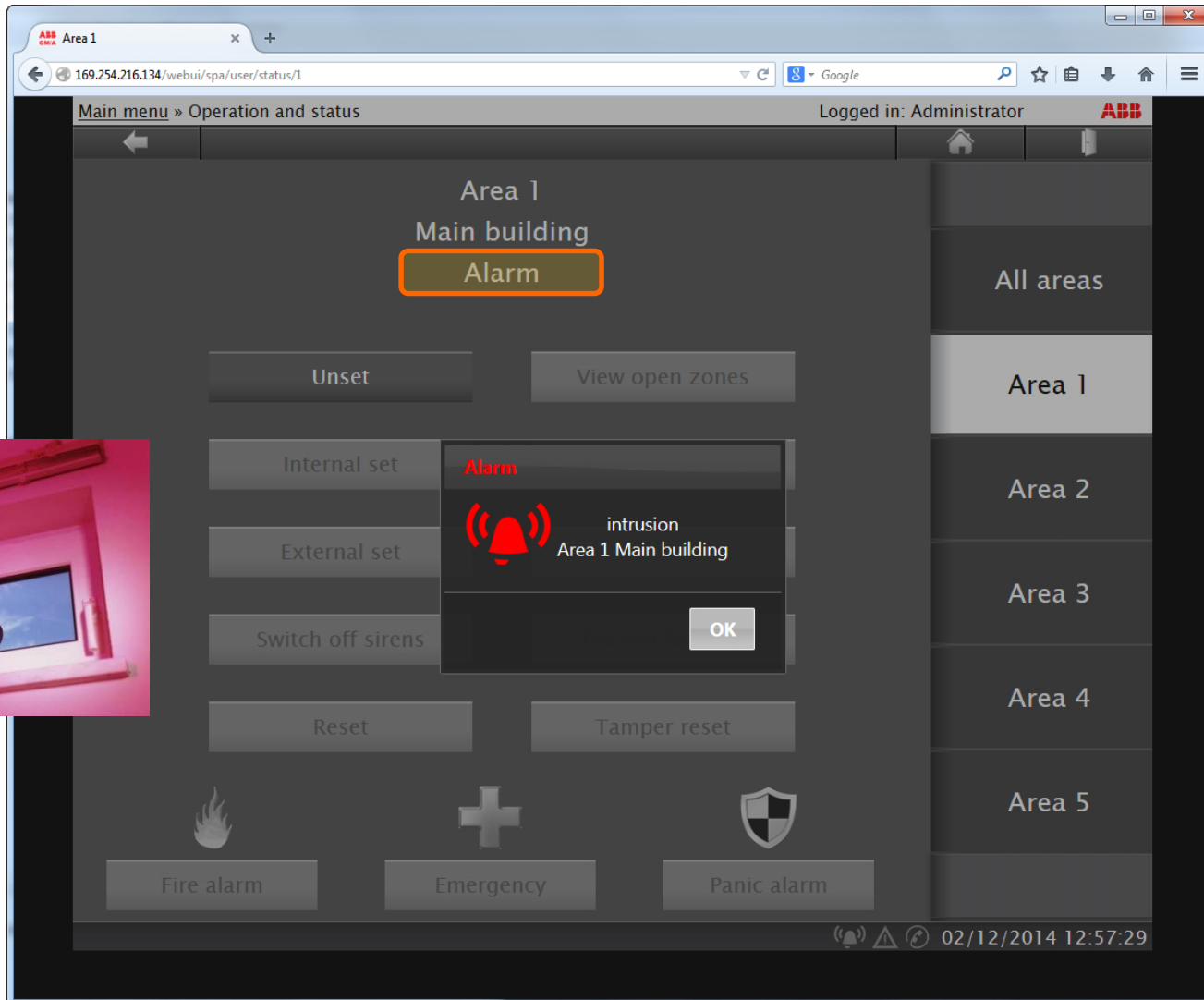
KNX Security Panel GM/A 8.1

Main Menu: Operation and Display – Intrusionalarm



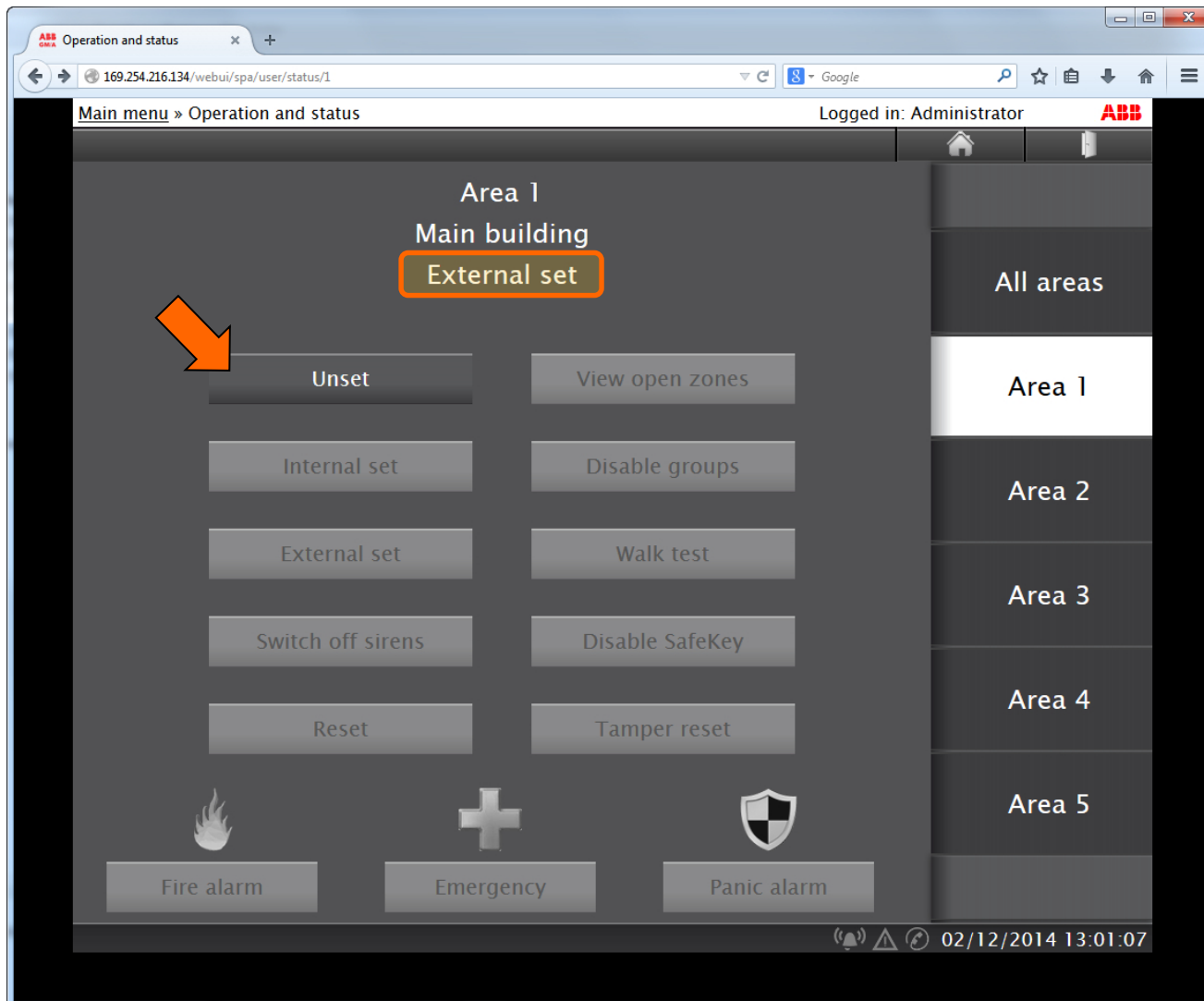
KNX Security Panel GM/A 8.1

Main Menu: Operation and Display – Intrusionalarm



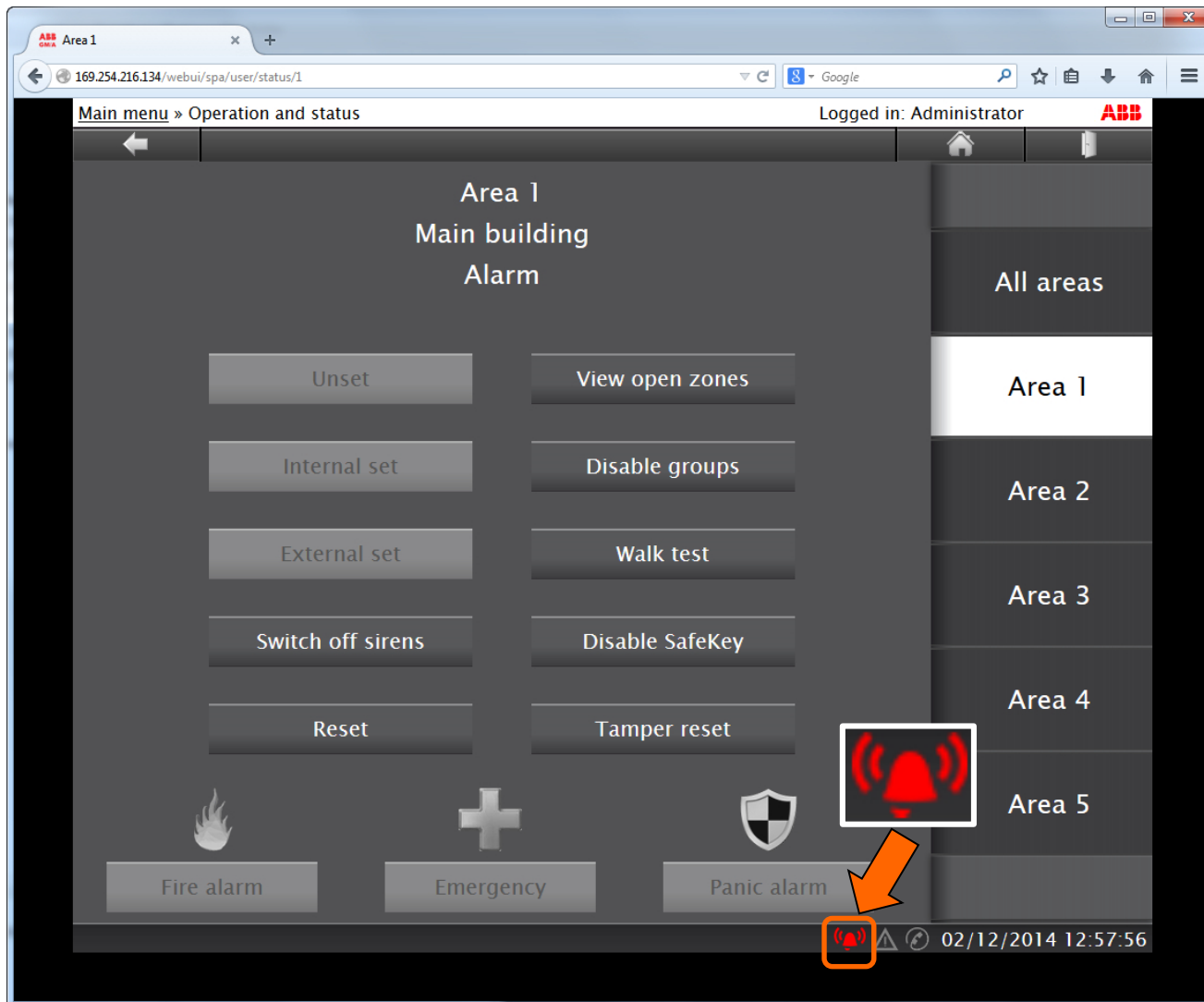
KNX Security Panel GM/A 8.1

Main Menu: Operation and Display – Intrusionalarm



KNX Security Panel GM/A 8.1

Main Menu: Operation and Display – Intrusionalarm



KNX Security Panel GM/A 8.1

Main Menu: Operation and Display – Intrusionalarm

The screenshot displays the ABB KNX Security Panel GM/A 8.1 web interface. The browser address bar shows the URL `169.254.216.134/webui/spa/user/history/event_list/alarms`. The page title is "Event list". The breadcrumb navigation shows "Main menu » Operation and status » Event list". The user is logged in as "Administrator".

The main content area features a table with the following data:

No.	Date and Time	Alarm	Area
1	02.12.2014 12:57:22	Intrusion alarm	1

Below the table, there is a pagination bar with a left arrow, the number "1", a right arrow, and a box containing "25".

On the right side of the interface, there is a vertical menu with the following options:

- All areas
- Area 1
- Area 2
- Area 3
- Area 4
- Area 5

At the bottom left, there is a section titled "Additional info:" with the following details:

- Magnetic contact intrusion
- P_1
- Window Kitchen

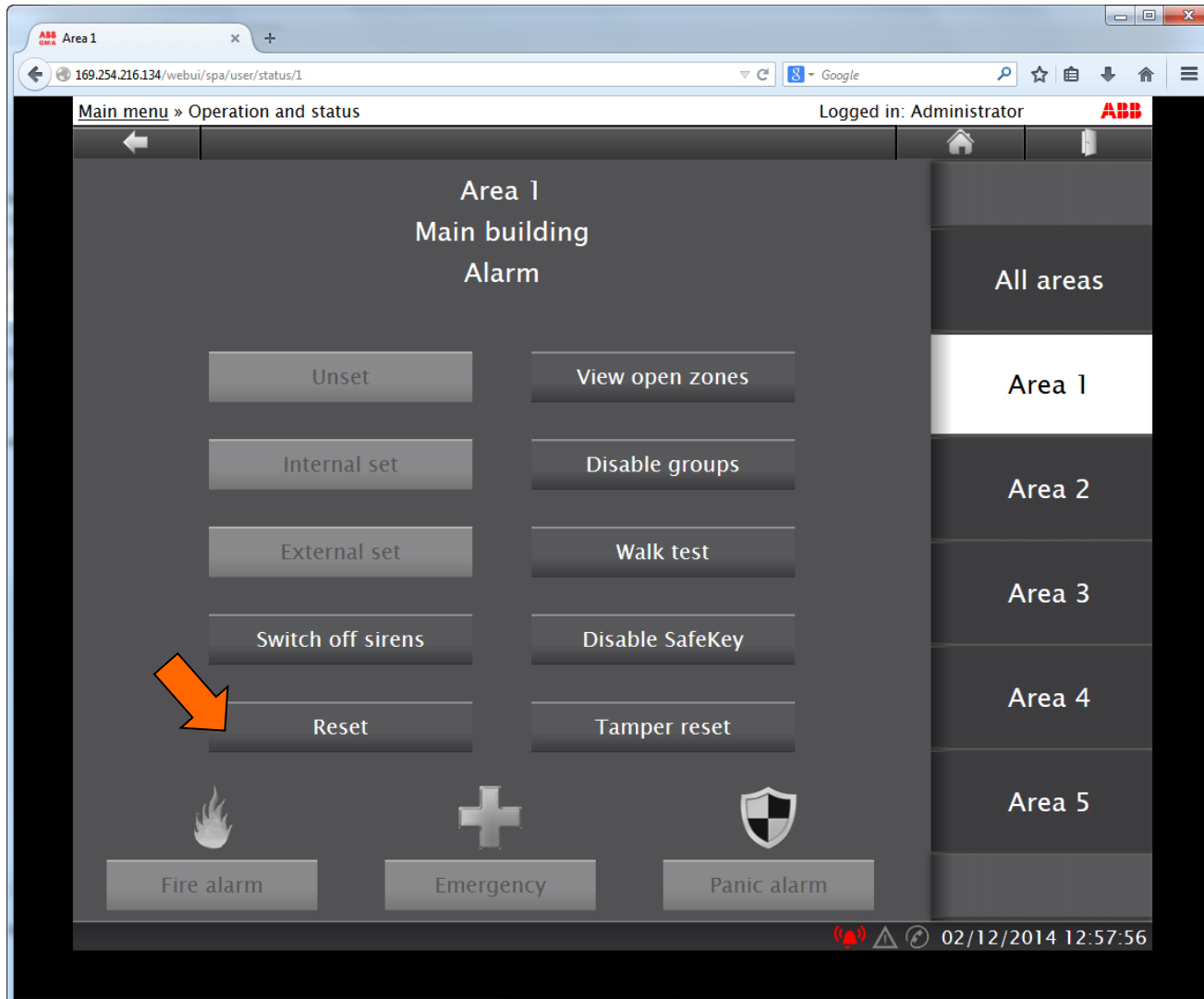
At the bottom right, there is a "Show:" section with two checkboxes:

- ☒ Alarms
- ☐ Faults

The bottom status bar shows the date and time "02/12/2014 12:58:11" along with several icons.

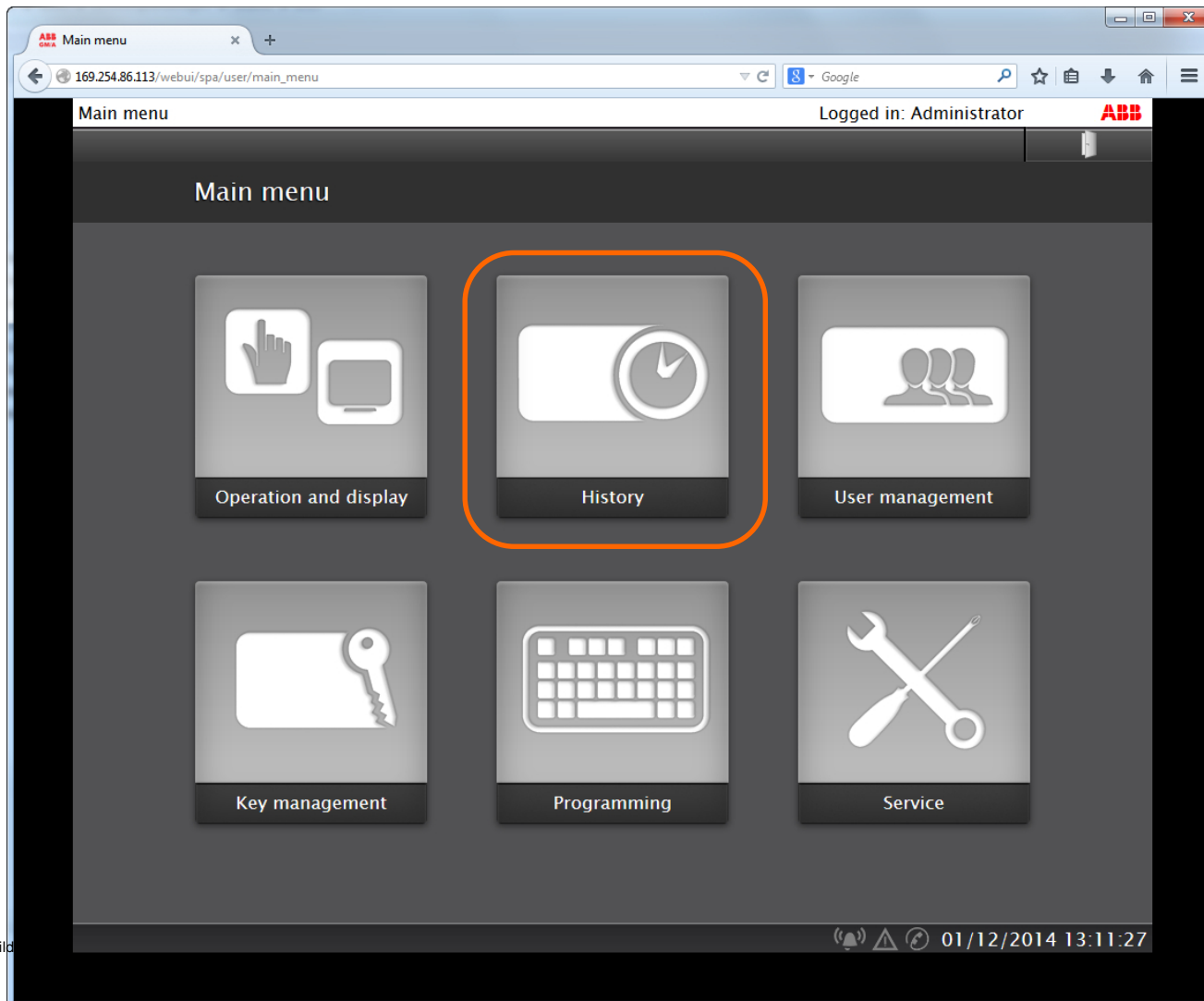
KNX Security Panel GM/A 8.1

Main Menu: Operation and Display – Intrusionalarm



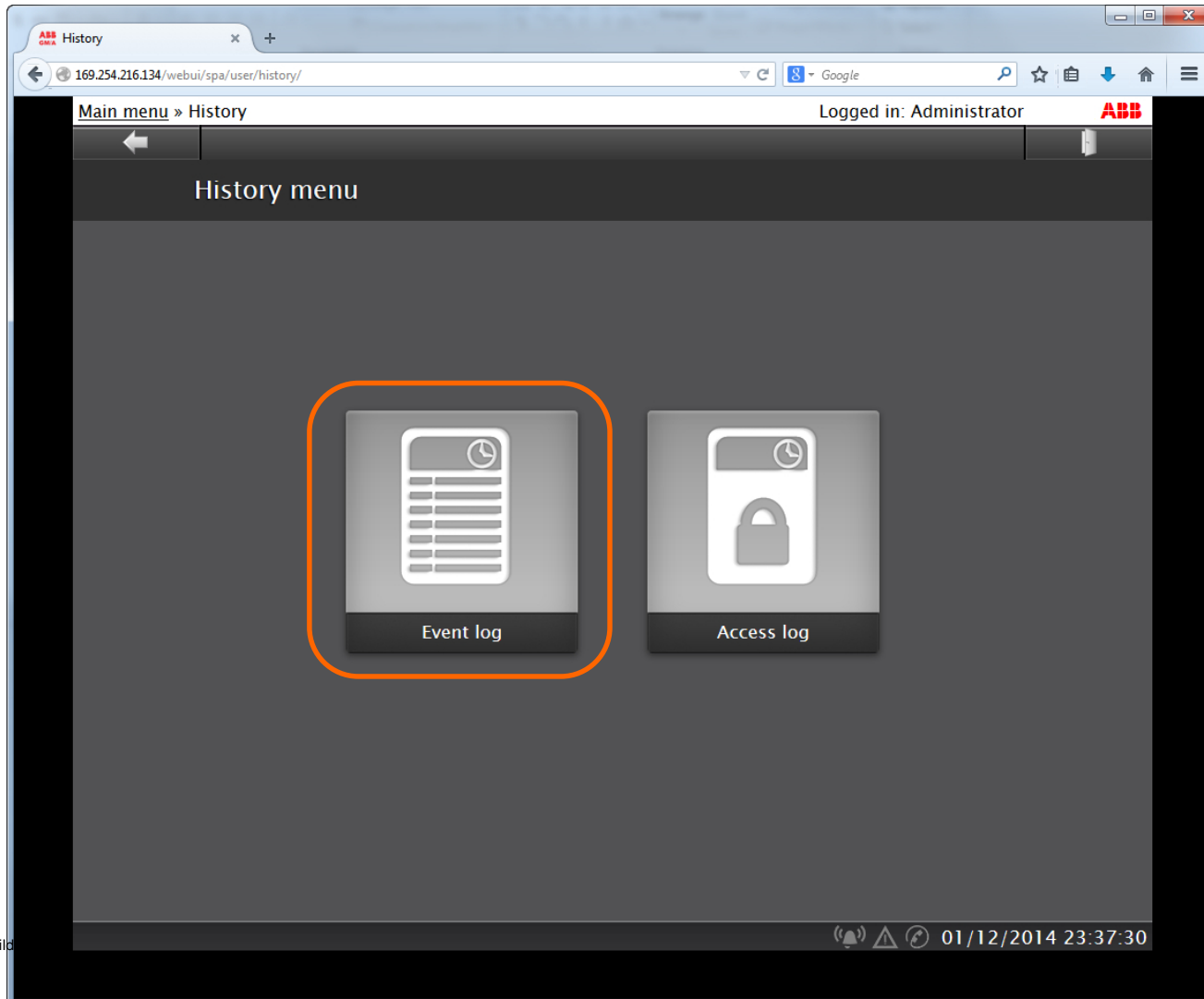
KNX Security Panel GM/A 8.1

Main Menu: History



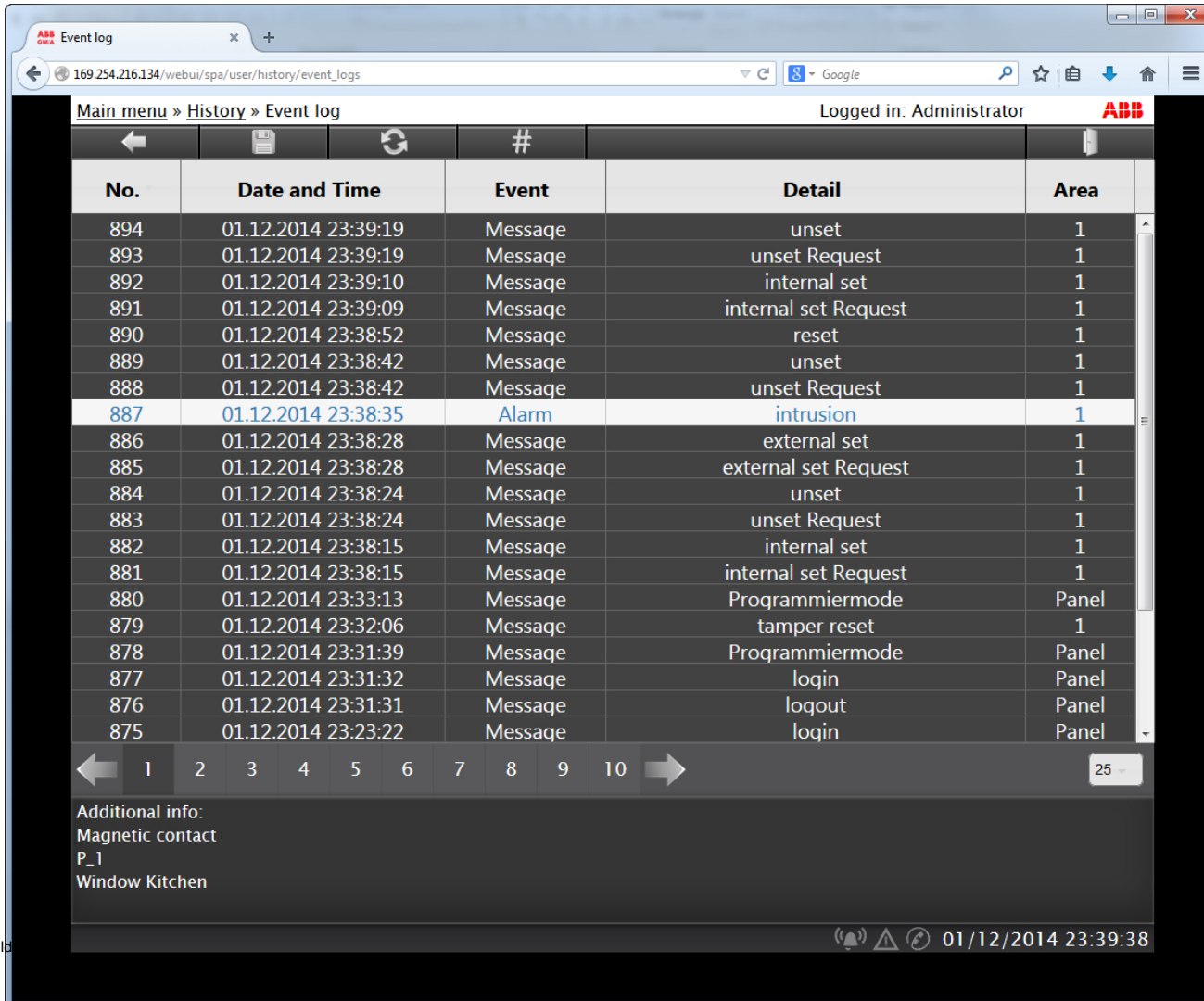
KNX Security Panel GM/A 8.1

Main Menu: History – Event Log



KNX Security Panel GM/A 8.1

Main Menu: History – Event Log



The screenshot shows a web browser window with the address bar displaying "169.254.216.134/webui/spa/user/history/event_logs". The page title is "Event log". The breadcrumb navigation shows "Main menu » History » Event log". The user is logged in as "Administrator". The table below lists the event log entries.

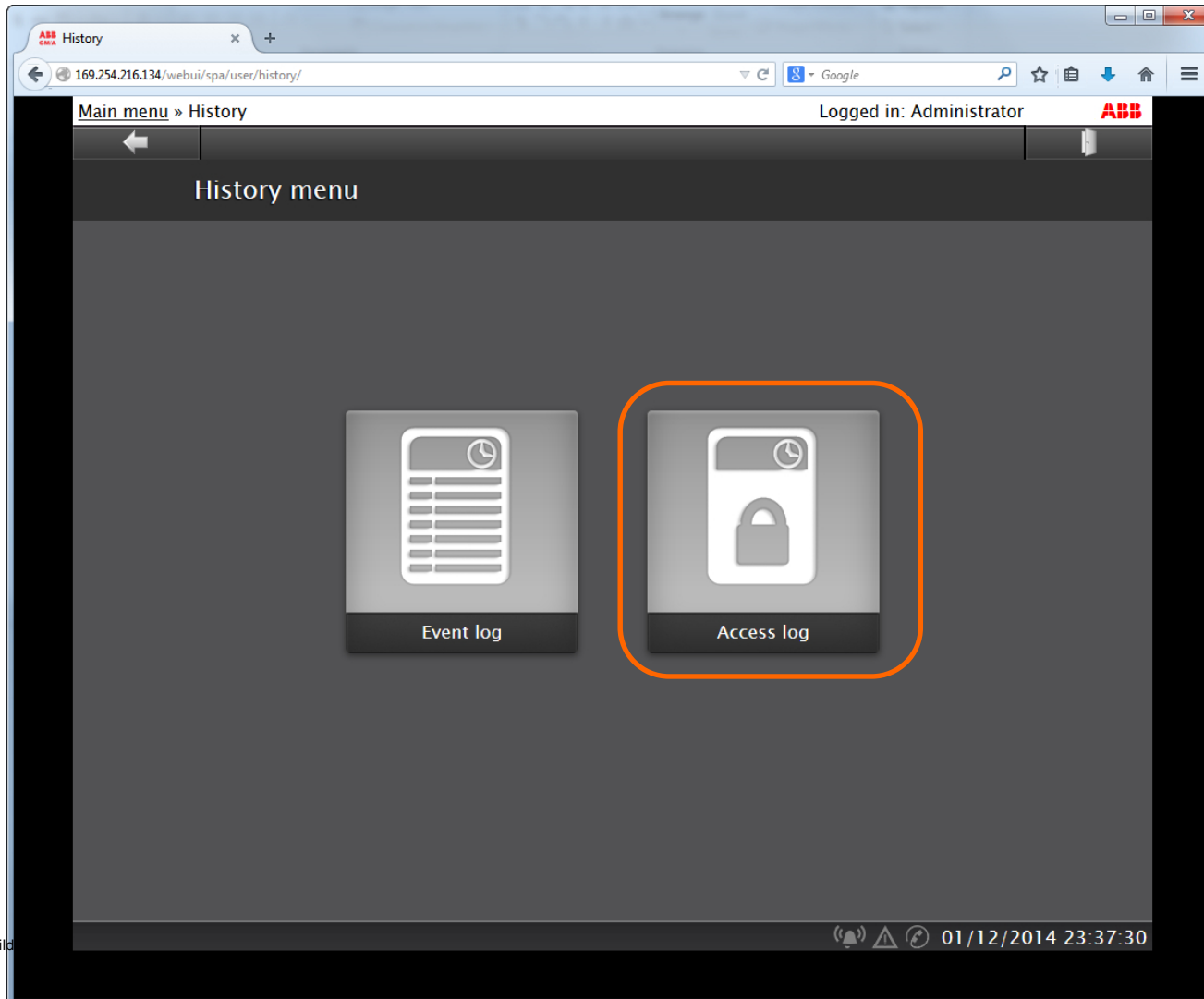
No.	Date and Time	Event	Detail	Area
894	01.12.2014 23:39:19	Message	unset	1
893	01.12.2014 23:39:19	Message	unset Request	1
892	01.12.2014 23:39:10	Message	internal set	1
891	01.12.2014 23:39:09	Message	internal set Request	1
890	01.12.2014 23:38:52	Message	reset	1
889	01.12.2014 23:38:42	Message	unset	1
888	01.12.2014 23:38:42	Message	unset Request	1
887	01.12.2014 23:38:35	Alarm	intrusion	1
886	01.12.2014 23:38:28	Message	external set	1
885	01.12.2014 23:38:28	Message	external set Request	1
884	01.12.2014 23:38:24	Message	unset	1
883	01.12.2014 23:38:24	Message	unset Request	1
882	01.12.2014 23:38:15	Message	internal set	1
881	01.12.2014 23:38:15	Message	internal set Request	1
880	01.12.2014 23:33:13	Message	Programmiermode	Panel
879	01.12.2014 23:32:06	Message	tamper reset	1
878	01.12.2014 23:31:39	Message	Programmiermode	Panel
877	01.12.2014 23:31:32	Message	login	Panel
876	01.12.2014 23:31:31	Message	logout	Panel
875	01.12.2014 23:23:22	Message	login	Panel

Additional info:
Magnetic contact
P_1
Window Kitchen

01/12/2014 23:39:38

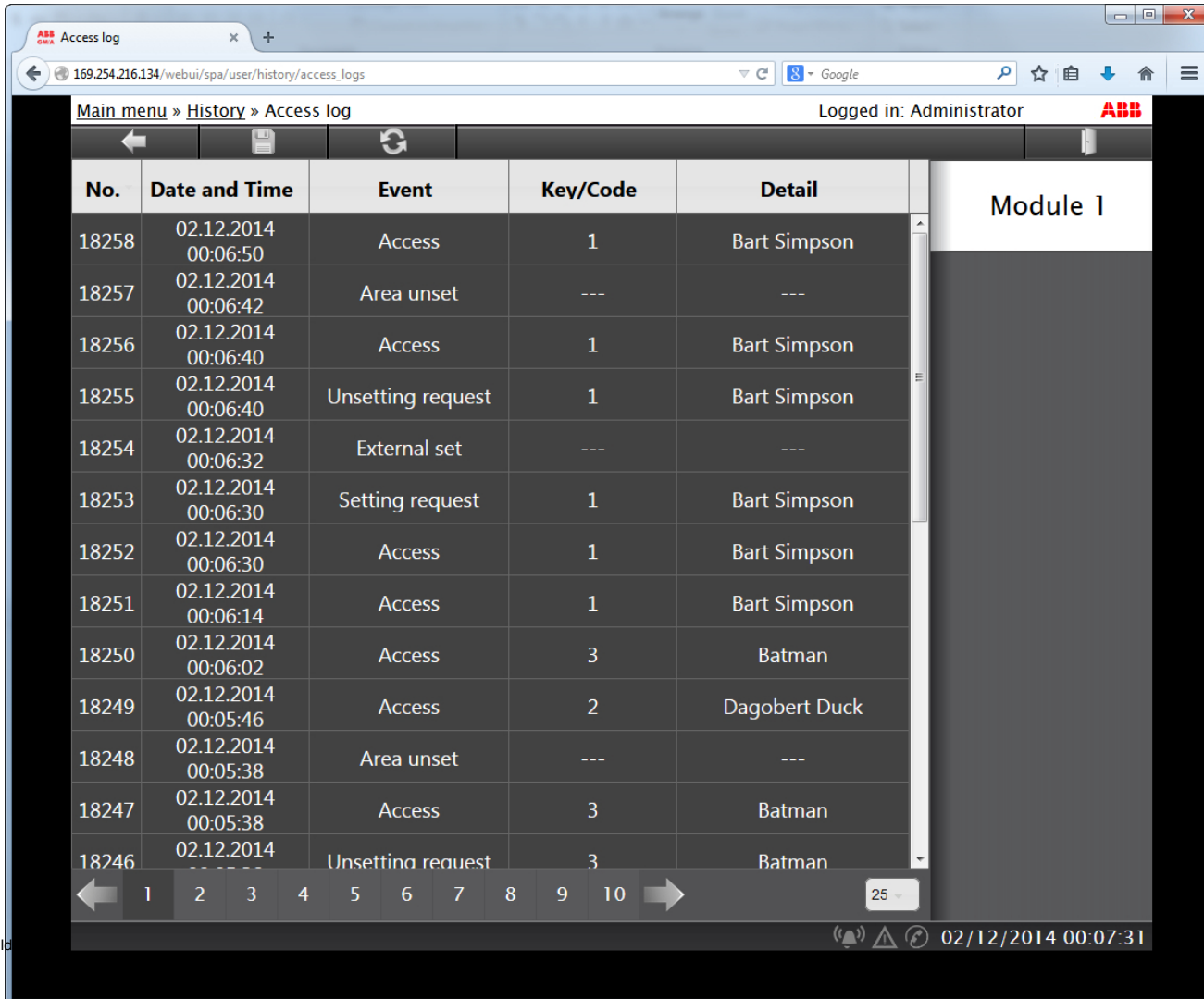
KNX Security Panel GM/A 8.1

Main Menu: History – Access Log (SafeKey)



KNX Security Panel GM/A 8.1

Main Menu: History – Access Log (SafeKey)



Access log

169.254.216.134/webui/spa/user/history/access_logs

Main menu » History » Access log

Logged in: Administrator

Module 1

No.	Date and Time	Event	Key/Code	Detail
18258	02.12.2014 00:06:50	Access	1	Bart Simpson
18257	02.12.2014 00:06:42	Area unset	---	---
18256	02.12.2014 00:06:40	Access	1	Bart Simpson
18255	02.12.2014 00:06:40	Unsetting request	1	Bart Simpson
18254	02.12.2014 00:06:32	External set	---	---
18253	02.12.2014 00:06:30	Setting request	1	Bart Simpson
18252	02.12.2014 00:06:30	Access	1	Bart Simpson
18251	02.12.2014 00:06:14	Access	1	Bart Simpson
18250	02.12.2014 00:06:02	Access	3	Batman
18249	02.12.2014 00:05:46	Access	2	Dagobert Duck
18248	02.12.2014 00:05:38	Area unset	---	---
18247	02.12.2014 00:05:38	Access	3	Batman
18246	02.12.2014	Unsetting request	3	Batman

1 2 3 4 5 6 7 8 9 10 25

02/12/2014 00:07:31

KNX Security Panel GM/A 8.1

Main Menu: Save History – Event/Access Log (CSV)

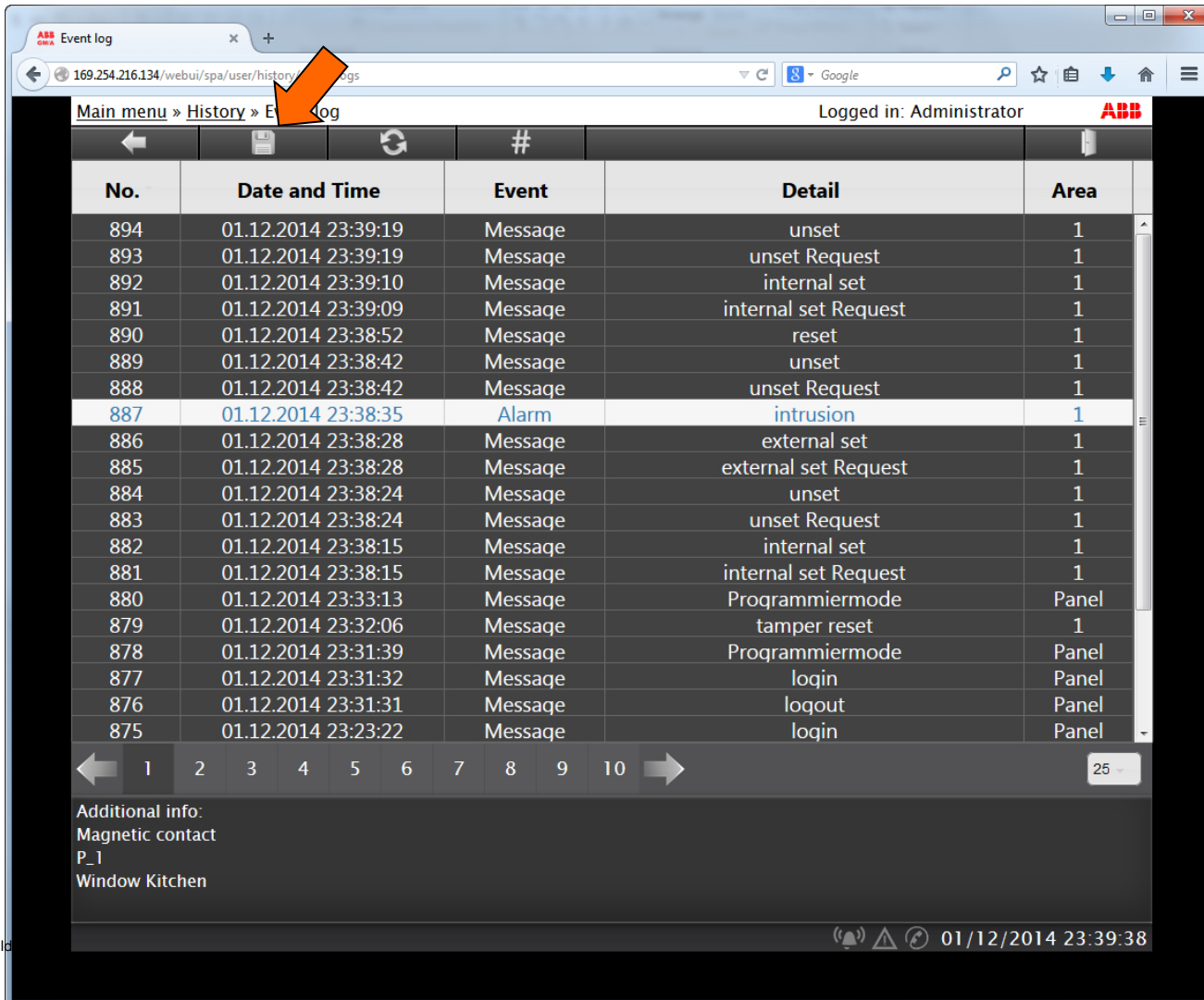


ABB Event log

169.254.216.134/webui/spa/user/history

Main menu » History » Event log

Logged in: Administrator

No.	Date and Time	Event	Detail	Area
894	01.12.2014 23:39:19	Message	unset	1
893	01.12.2014 23:39:19	Message	unset Request	1
892	01.12.2014 23:39:10	Message	internal set	1
891	01.12.2014 23:39:09	Message	internal set Request	1
890	01.12.2014 23:38:52	Message	reset	1
889	01.12.2014 23:38:42	Message	unset	1
888	01.12.2014 23:38:42	Message	unset Request	1
887	01.12.2014 23:38:35	Alarm	intrusion	1
886	01.12.2014 23:38:28	Message	external set	1
885	01.12.2014 23:38:28	Message	external set Request	1
884	01.12.2014 23:38:24	Message	unset	1
883	01.12.2014 23:38:24	Message	unset Request	1
882	01.12.2014 23:38:15	Message	internal set	1
881	01.12.2014 23:38:15	Message	internal set Request	1
880	01.12.2014 23:33:13	Message	Programmiermode	Panel
879	01.12.2014 23:32:06	Message	tamper reset	1
878	01.12.2014 23:31:39	Message	Programmiermode	Panel
877	01.12.2014 23:31:32	Message	login	Panel
876	01.12.2014 23:31:31	Message	logout	Panel
875	01.12.2014 23:23:22	Message	login	Panel

1 2 3 4 5 6 7 8 9 10 25

Additional info:
Magnetic contact
P_1
Window Kitchen

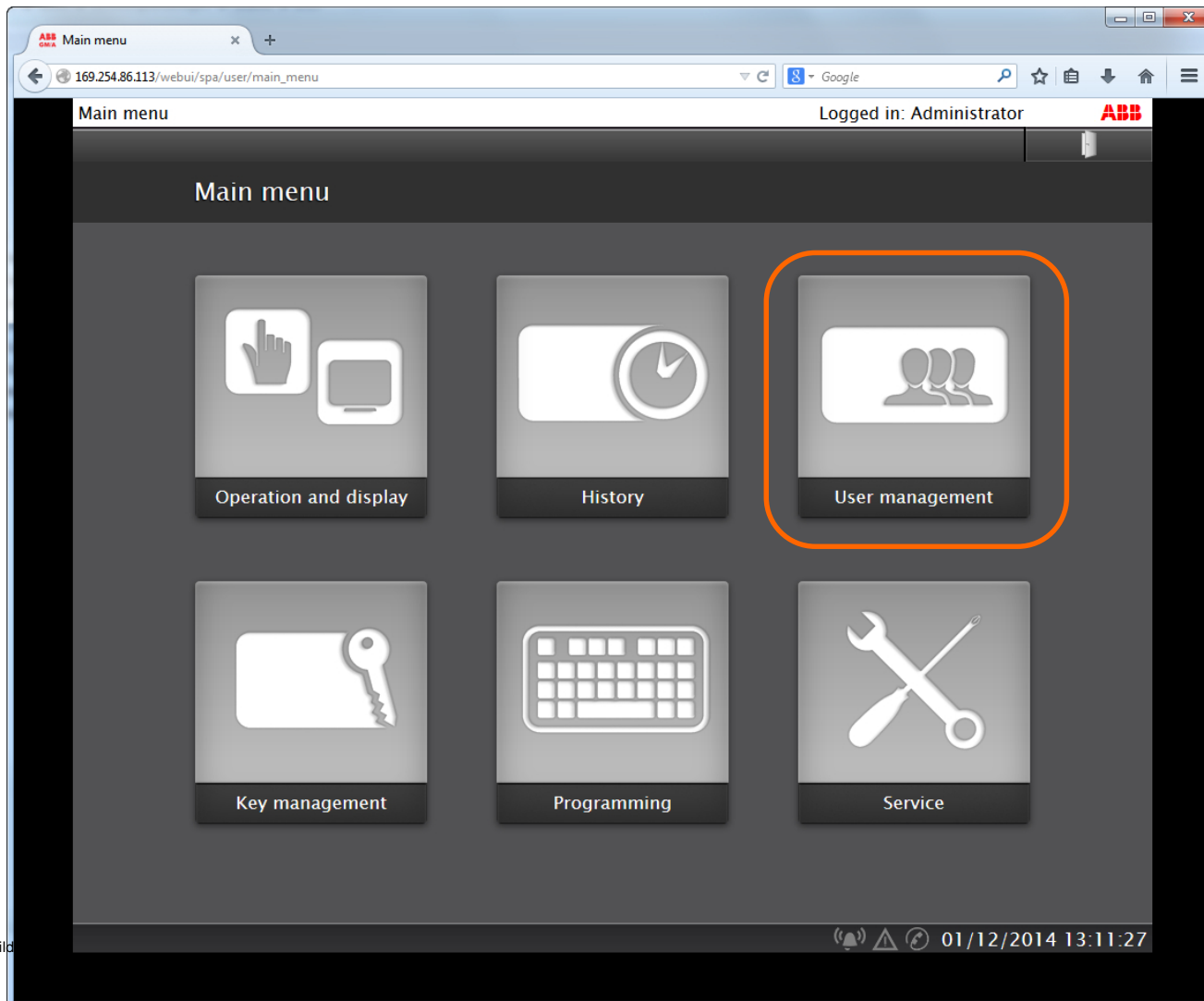
01/12/2014 23:39:38

Main Menu: Save History – Event/Access Log (CSV)

	A	B	C	D	E	F	G	H
1	History no	Date/Time	Event	Detail	Area	Additional informa	Additional inform	Additional
2	894	01.12.2014 23:39	Message	unset	1	panel		
3	893	01.12.2014 23:39	Message	unset Request	1	user	Administrator	1
4	892	01.12.2014 23:39	Message	internal set	1	panel		
5	891	01.12.2014 23:39	Message	internal set Request	1	user	Administrator	1
6	890	01.12.2014 23:38	Message	reset	1	user	Administrator	1
7	889	01.12.2014 23:38	Message	unset	1	panel		
8	888	01.12.2014 23:38	Message	unset Request	1	user	Administrator	1
9	887	01.12.2014 23:38	Alarm	intrusion	1	Magnetic contact	Window Kitchen	P_1
10	886	01.12.2014 23:38	Message	external set	1	panel		
11	885	01.12.2014 23:38	Message	external set Request	1	user	Administrator	1
12	884	01.12.2014 23:38	Message	unset	1	panel		
13	883	01.12.2014 23:38	Message	unset Request	1	user	Administrator	1
14	882	01.12.2014 23:38	Message	internal set	1	panel		
15	881	01.12.2014 23:38	Message	internal set Request	1	user	Administrator	1
16	880	01.12.2014 23:33	Message	Programmiermode	-	user	Administrator	1
17	879	01.12.2014 23:32	Message	tamper reset	1	user	Administrator	1
18	878	01.12.2014 23:31	Message	Programmiermode	-	user	Administrator	1
19	877	01.12.2014 23:31	Message	login	-	user	Administrator	1
20	876	01.12.2014 23:31	Message	logout	-	user	Operator	2
21	875	01.12.2014 23:23	Message	login	-	user	Operator	2
22	874	01.12.2014 23:13	Message	logout	-	user	Administrator	1
23	873	01.12.2014 22:56	Message	Programmiermode	-	user	Administrator	1
24	872	01.12.2014 22:45	Message	Programmiermode	-	user	Administrator	1
25	871	01.12.2014 21:40	Message	Programmiermode	-	user	Administrator	1

KNX Security Panel GM/A 8.1

Main Menu: User Management



KNX Security Panel GM/A 8.1

Main Menu: User Management

ABB User management

169.254.216.134/webui/spa/admin/user_management

Main menu » User management

Logged in: Administrator

User management

Users

- Administrator
- Operator
- Benutzer

Groups

- Admin
- User

Add new user

Add new group

Delete all users

Delete all groups

Users	
No.	Name
1	Administrator
2	Operator

Users	
No.	Name
3	Benutzer

User groups	
No.	Description
1	Admin
2	User

max. 25 users

KNX Security Panel GM/A 8.1

Main Menu: User Management

ABB User management

169.254.216.134/webui/spa/admin/user_management

Main menu » User management

Logged in: Administrator

ABB

Operator

Username: Operator

Language: English

E-mail:

Phone:

Mobile:

SMS-Center: SMS-Center 1

	E-mail	SMS	Phone	Mobile
Alarm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fault	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Messages	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Rights

Programming ☐

User manager ☒

Key manager ☒

Service ☐

Area 1 ☒ Area 2 ☒ Area 3 ☒ Area 4 ☒ Area 5 ☒

User group: User

KNX Security Panel GM/A 8.1

Main Menu: User Management

ABB User management

169.254.216.134/webui/spa/admin/user_management

Main menu » User management

Logged in: Administrator

ABB

User management

- Users
 - Administrator
 - Operator
 - Benutzer
- Groups
 - Admin
 - User

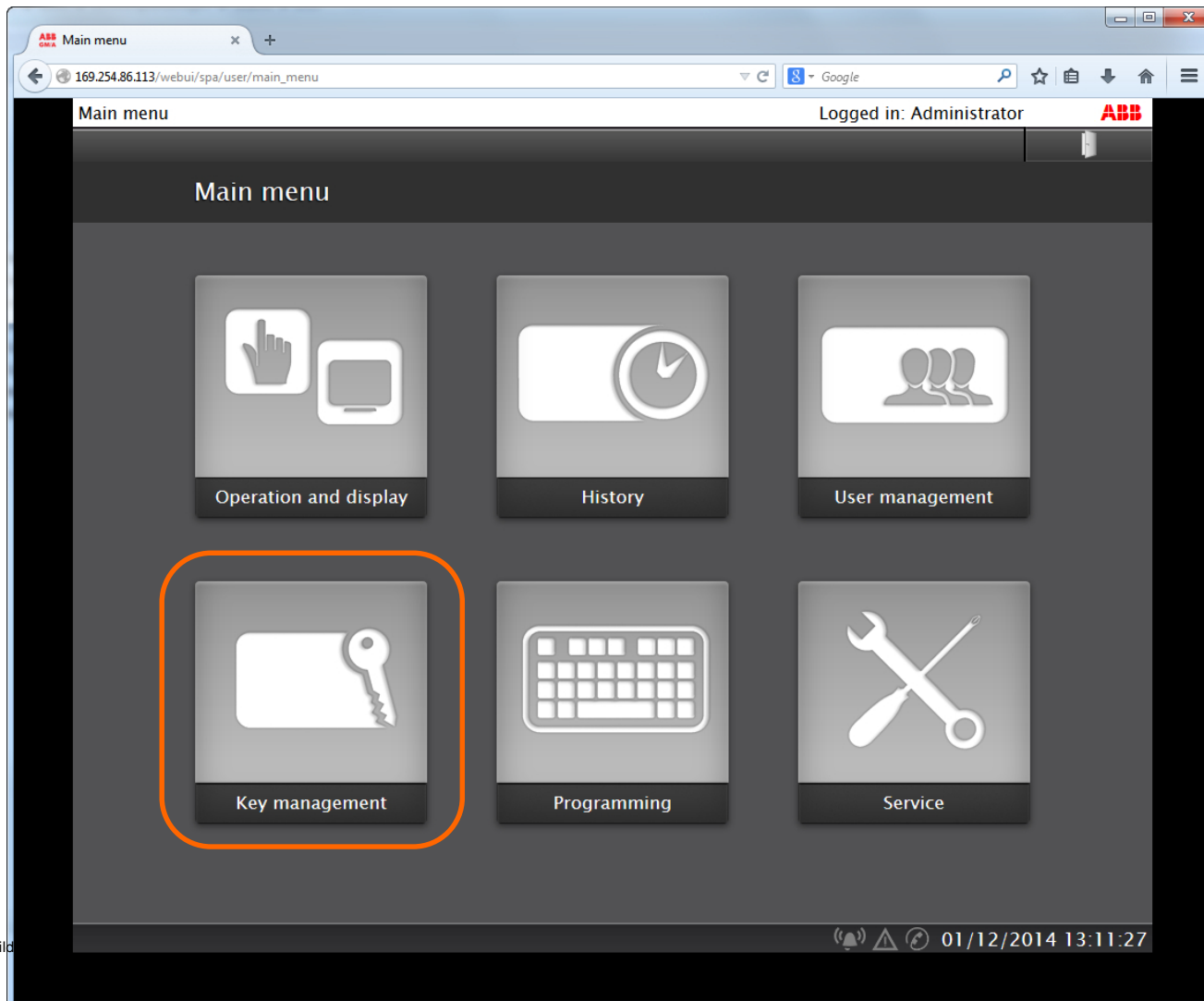
User group 2

Description:	User
Display:	<input checked="" type="checkbox"/>
Operation:	<input checked="" type="checkbox"/>
Externally set:	<input checked="" type="checkbox"/>
Externally unset:	<input checked="" type="checkbox"/>
Tamper reset:	<input type="checkbox"/>
Activate/Deactivate disable groups:	<input checked="" type="checkbox"/>
Deactivate SafeKey key/codes:	<input checked="" type="checkbox"/>
History:	<input checked="" type="checkbox"/>

max. 10 user groups

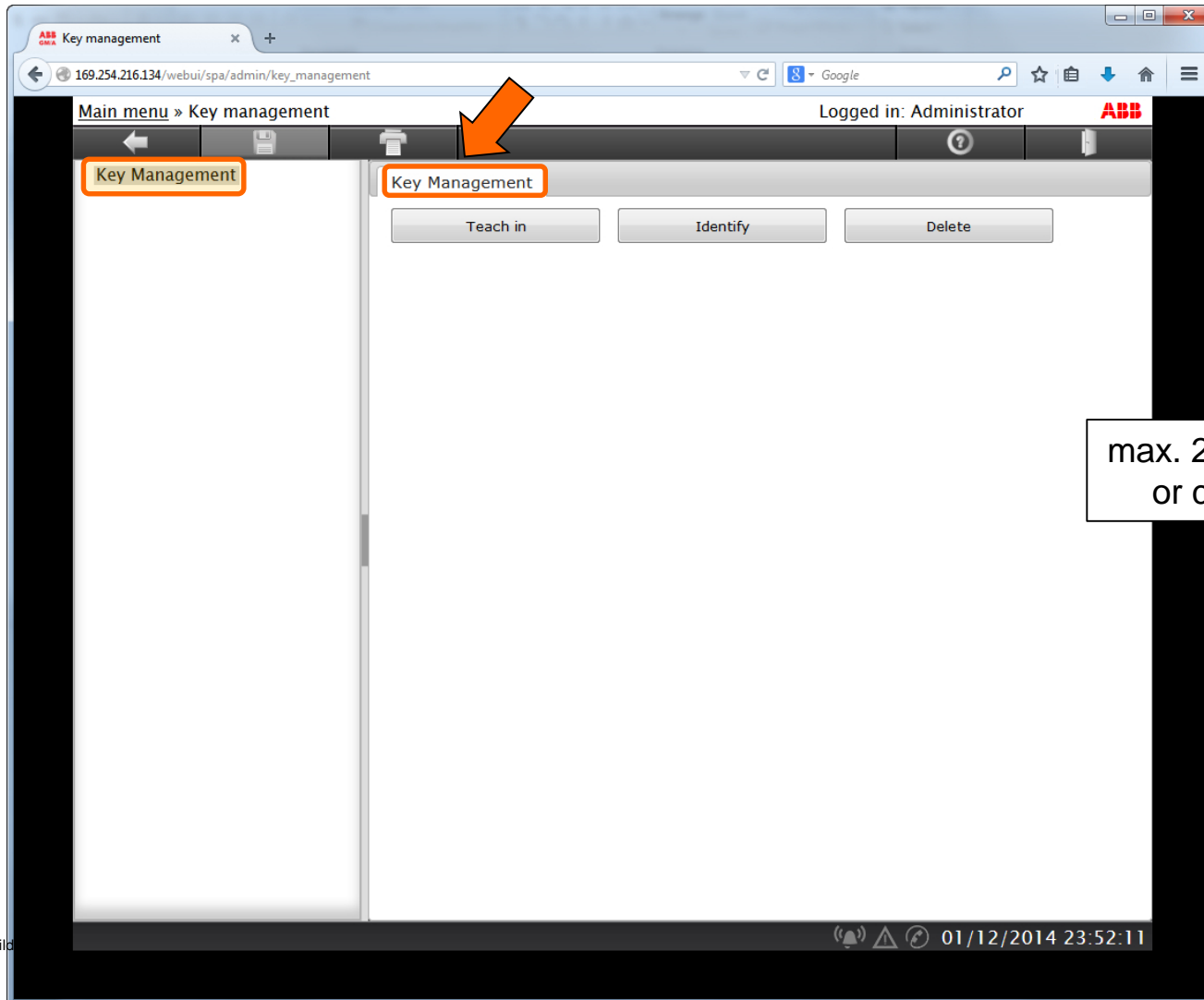
KNX Security Panel GM/A 8.1

Main Menu: Key Management



KNX Security Panel GM/A 8.1

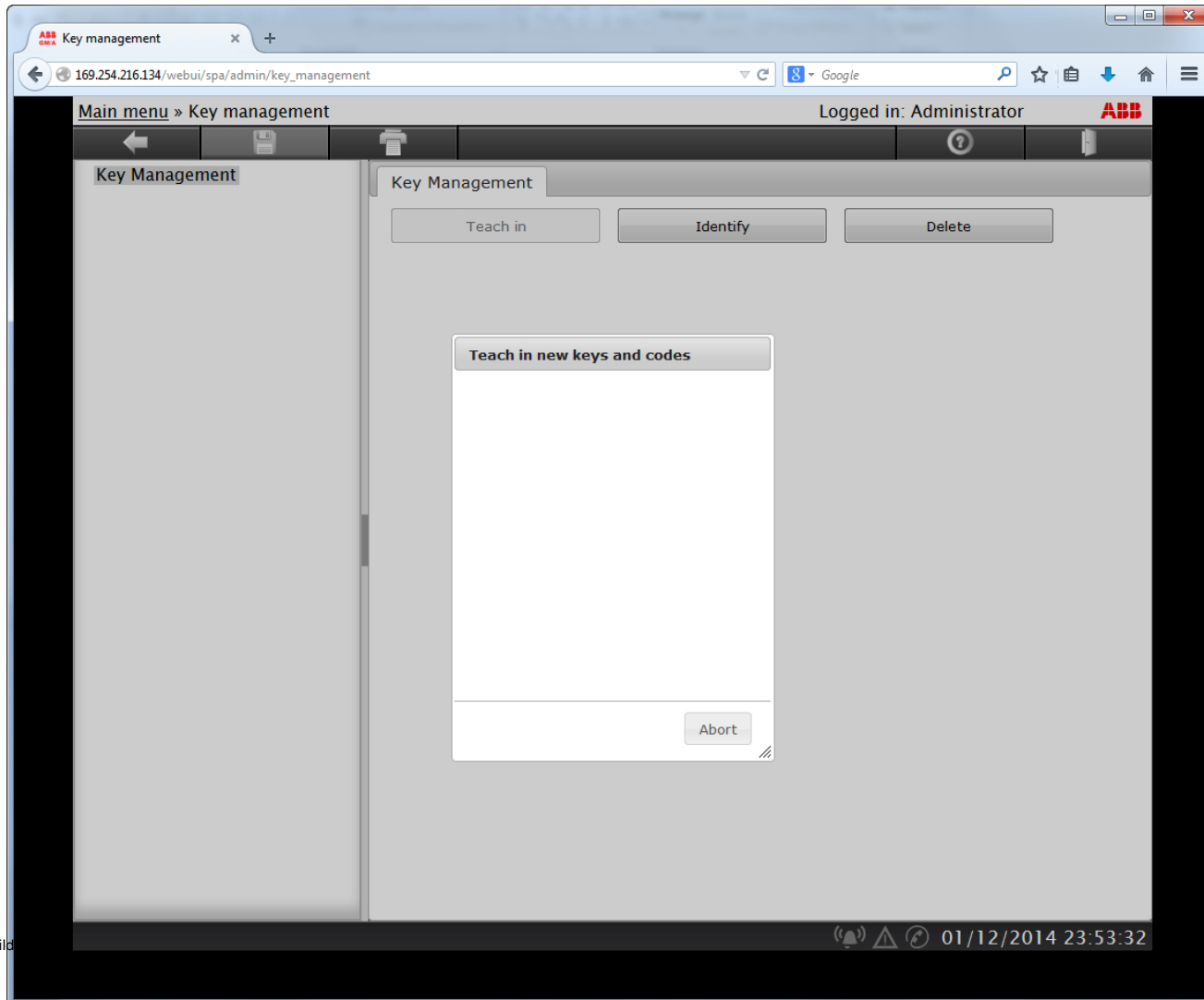
Main Menu: Key Management



max. 250 keys
or codes

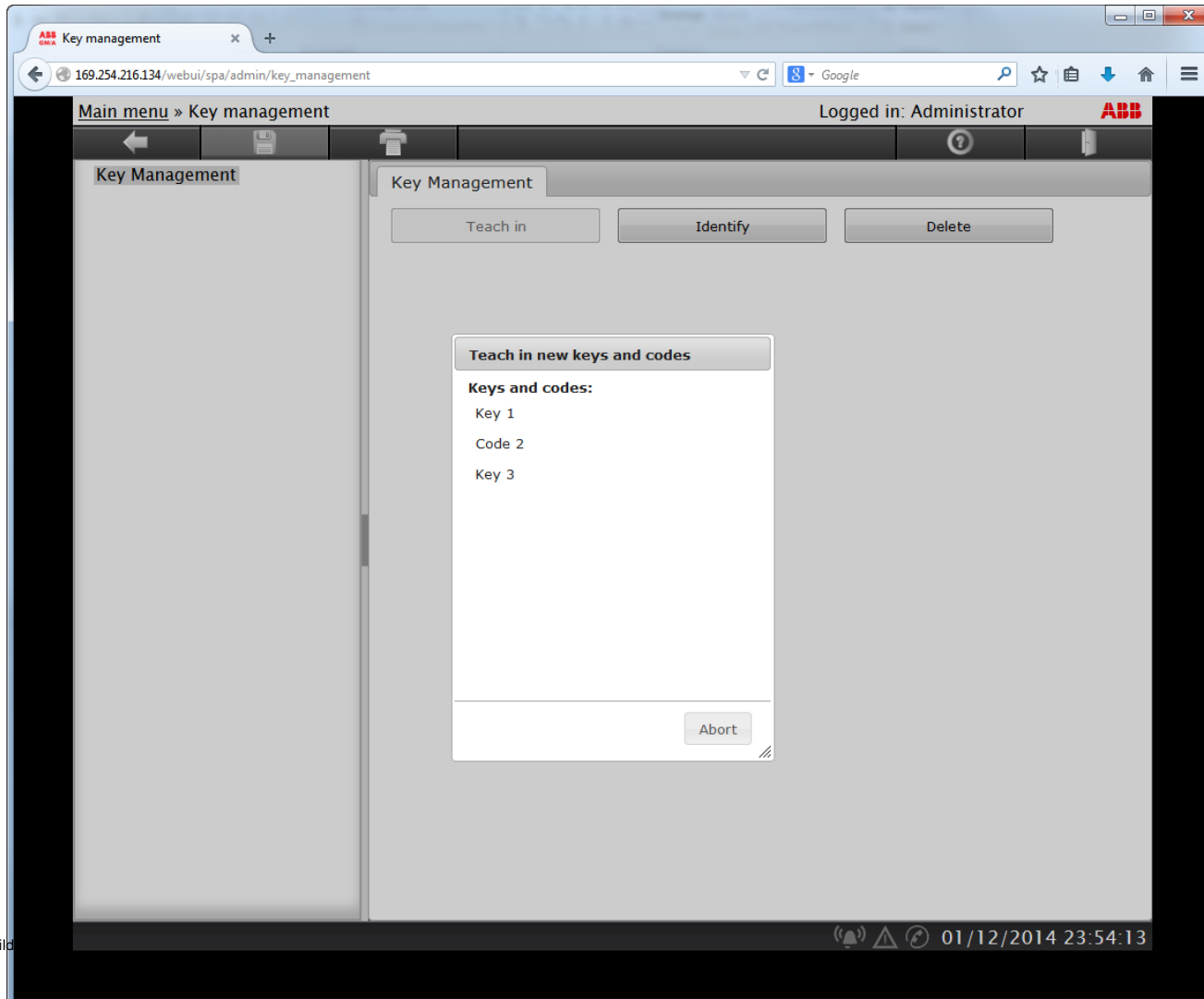
KNX Security Panel GM/A 8.1

Main Menu: Key Management



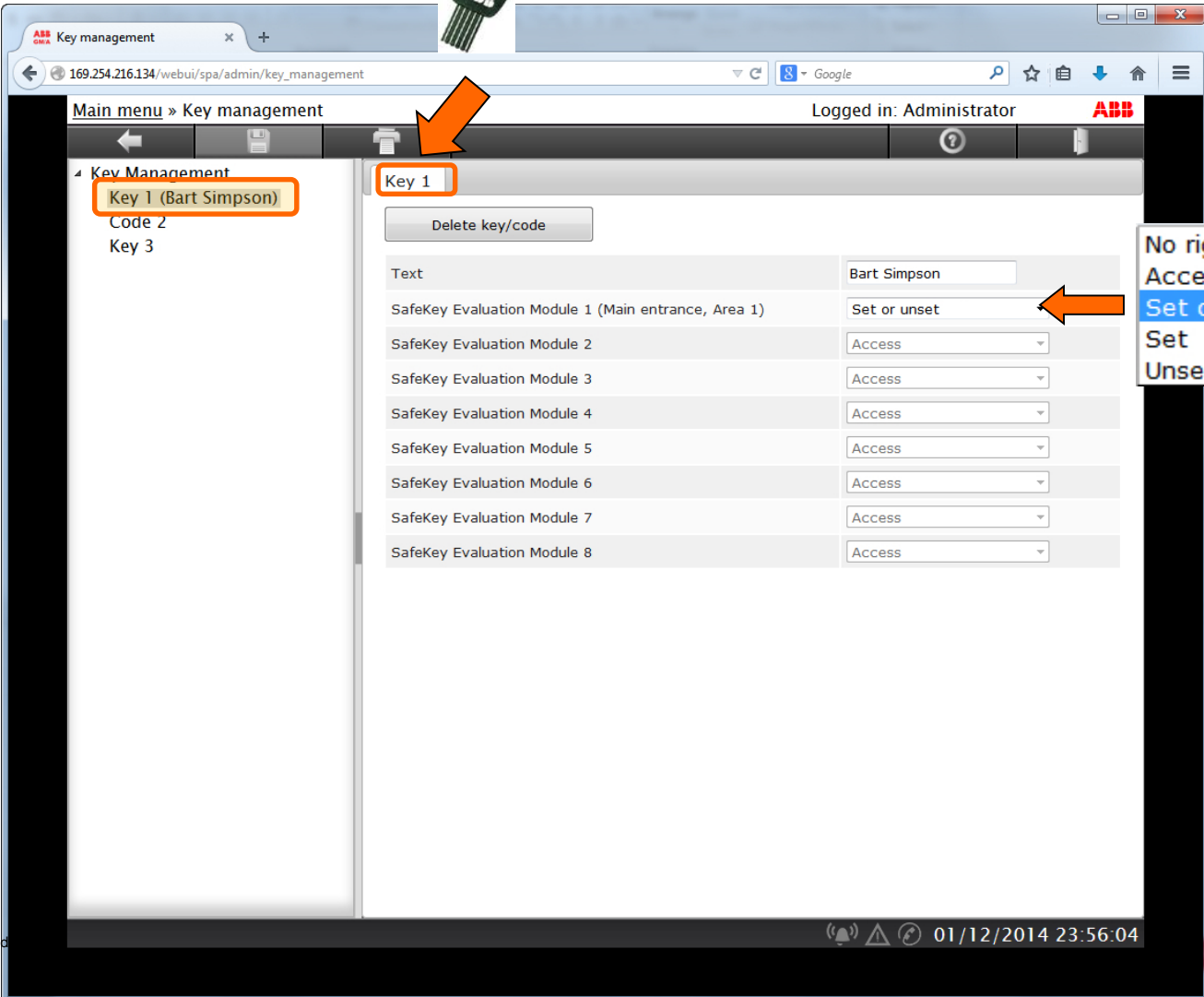
KNX Security Panel GM/A 8.1

Main Menu: Key Management



KNX Security Panel GM/A 8.1

Main Menu: Key Management



The screenshot shows the ABB Key Management web interface. On the left, there are icons for a person (ID 578963), an ABB key, and a keypad. The browser address bar shows the URL `169.254.216.134/webui/spa/admin/key_management`. The page title is "Key management" and the user is logged in as "Administrator". The main menu shows "Key Management" with a sub-menu "Key 1 (Bart Simpson)" highlighted. The "Key 1" tab is selected, showing a "Delete key/code" button and a table of SafeKey Evaluation Modules. An orange arrow points to the "Key 1" tab, and another points to the "Set or unset" button in the table. A context menu is open over the "Set or unset" button, showing options: "No rights", "Access", "Set or unset" (highlighted), "Set", and "Unset".

578963

ABB

ABB

Key management

169.254.216.134/webui/spa/admin/key_management

Logged in: Administrator

Main menu » Key management

Key Management

Key 1 (Bart Simpson)

Code 2

Key 3

Key 1

Delete key/code

Text	
SafeKey Evaluation Module 1 (Main entrance, Area 1)	Set or unset
SafeKey Evaluation Module 2	Access
SafeKey Evaluation Module 3	Access
SafeKey Evaluation Module 4	Access
SafeKey Evaluation Module 5	Access
SafeKey Evaluation Module 6	Access
SafeKey Evaluation Module 7	Access
SafeKey Evaluation Module 8	Access

No rights
Access
Set or unset
Set
Unset


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| 50

01/12/2014 23:56:04

ABB

KNX Security Panel GM/A 8.1

Main Menu: Key Management



578963

ABB

578963

ABB Key management

169.254.216.134/webui/spa/admin/key_management

Main menu » Key management

Logged in: Administrator

Key Management

- Key 1 (Bart Simpson)
- Code 2 (Dagobert Duck)**
- Key 3 (Batman)

Code 2*

Delete key/code

Text	
SafeKey Evaluation Module 1 (Main entrance, Area 1)	Unset
SafeKey Evaluation Module 2	Access
SafeKey Evaluation Module 3	Access
SafeKey Evaluation Module 4	Access
SafeKey Evaluation Module 5	Access
SafeKey Evaluation Module 6	Access
SafeKey Evaluation Module 7	Access
SafeKey Evaluation Module 8	Access

No rights
Access
Set or unset
Set
Unset
Hold up alarm incl. unset

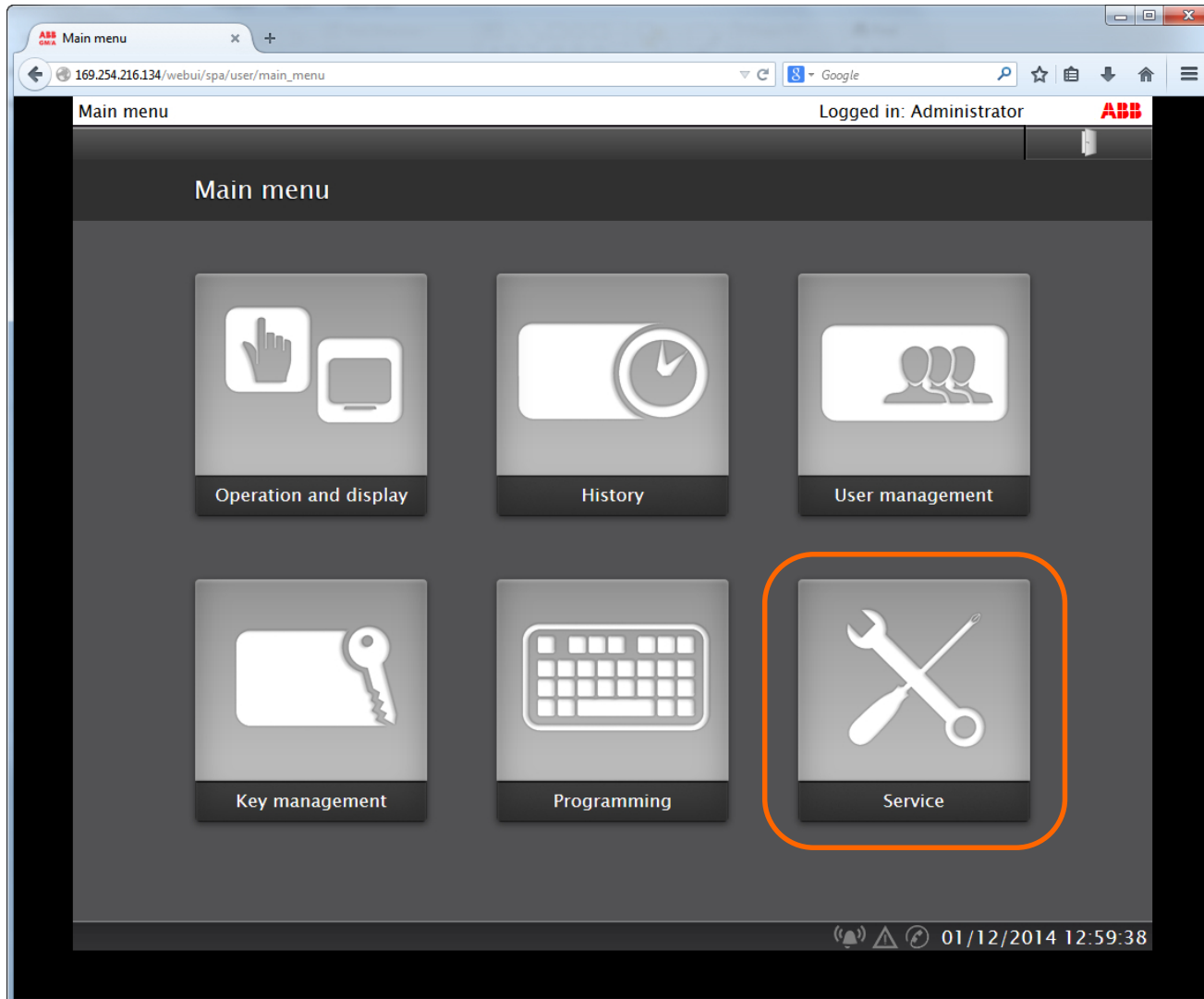
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ABB

02/12/2014 14:31:05

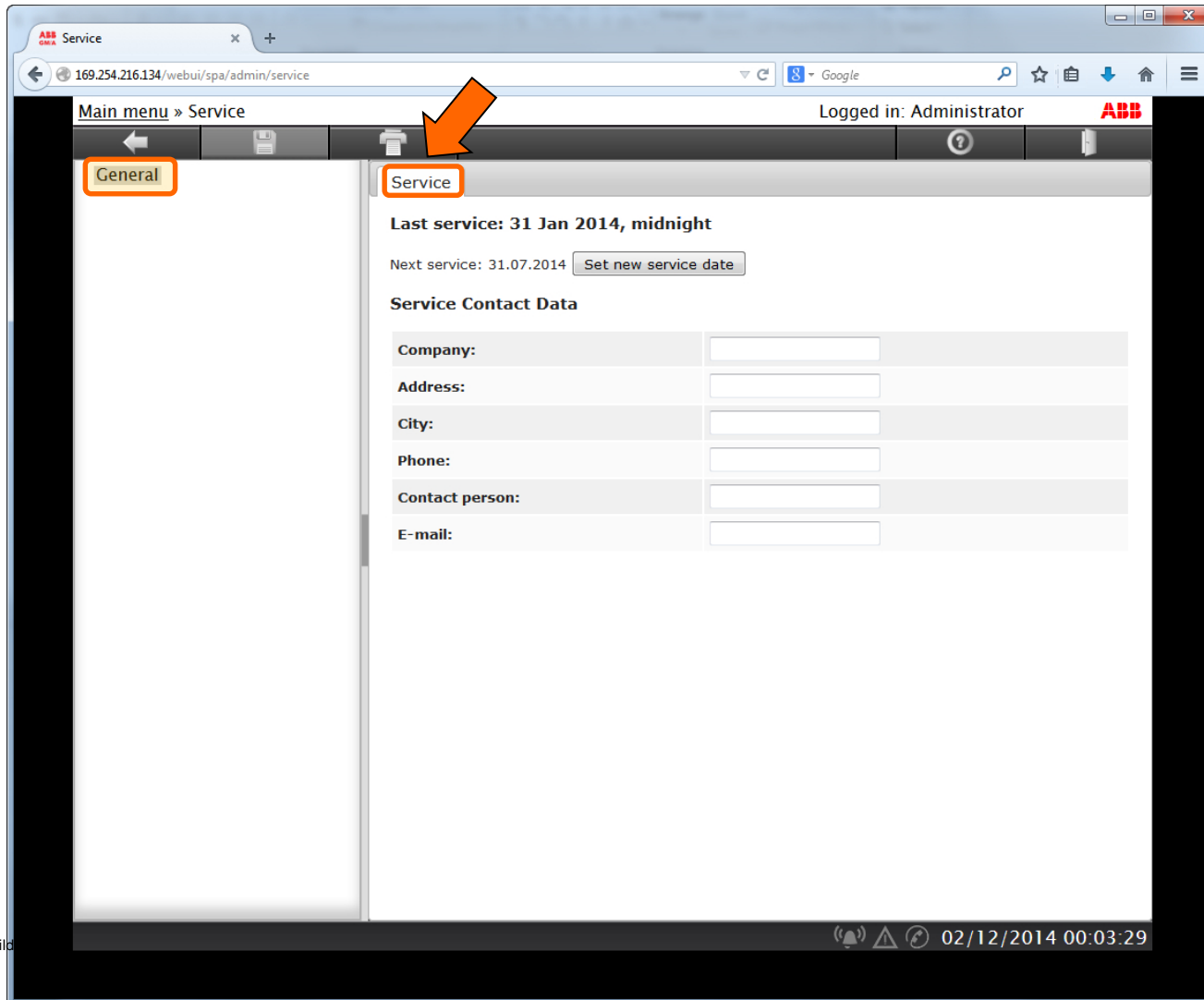
KNX Security Panel GM/A 8.1

Main Menu: Service – coming soon...



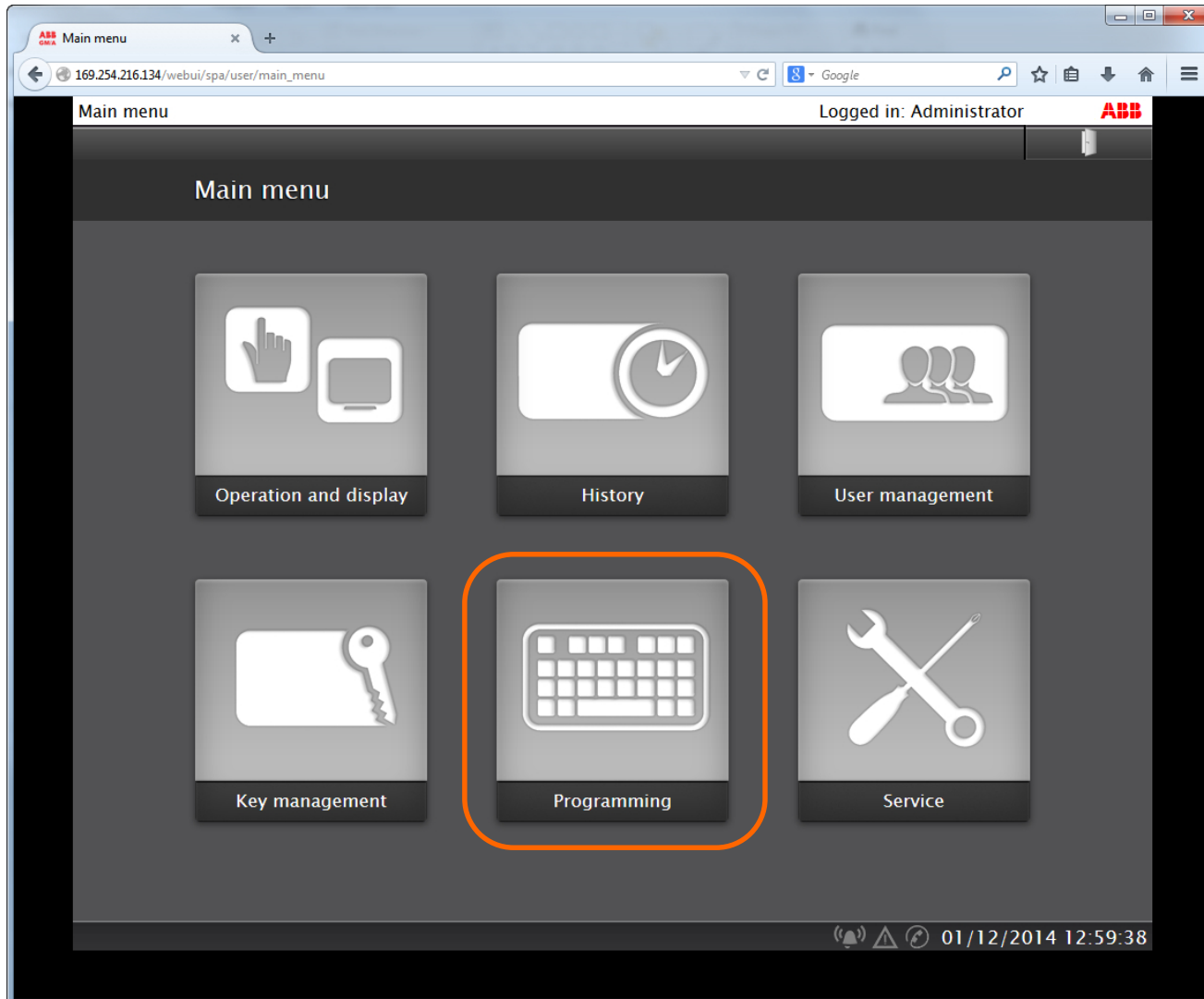
KNX Security Panel GM/A 8.1

Main Menu: Service – coming soon...



KNX Security Panel GM/A 8.1

Main Menu: Programming



KNX Security Panel GM/A 8.1

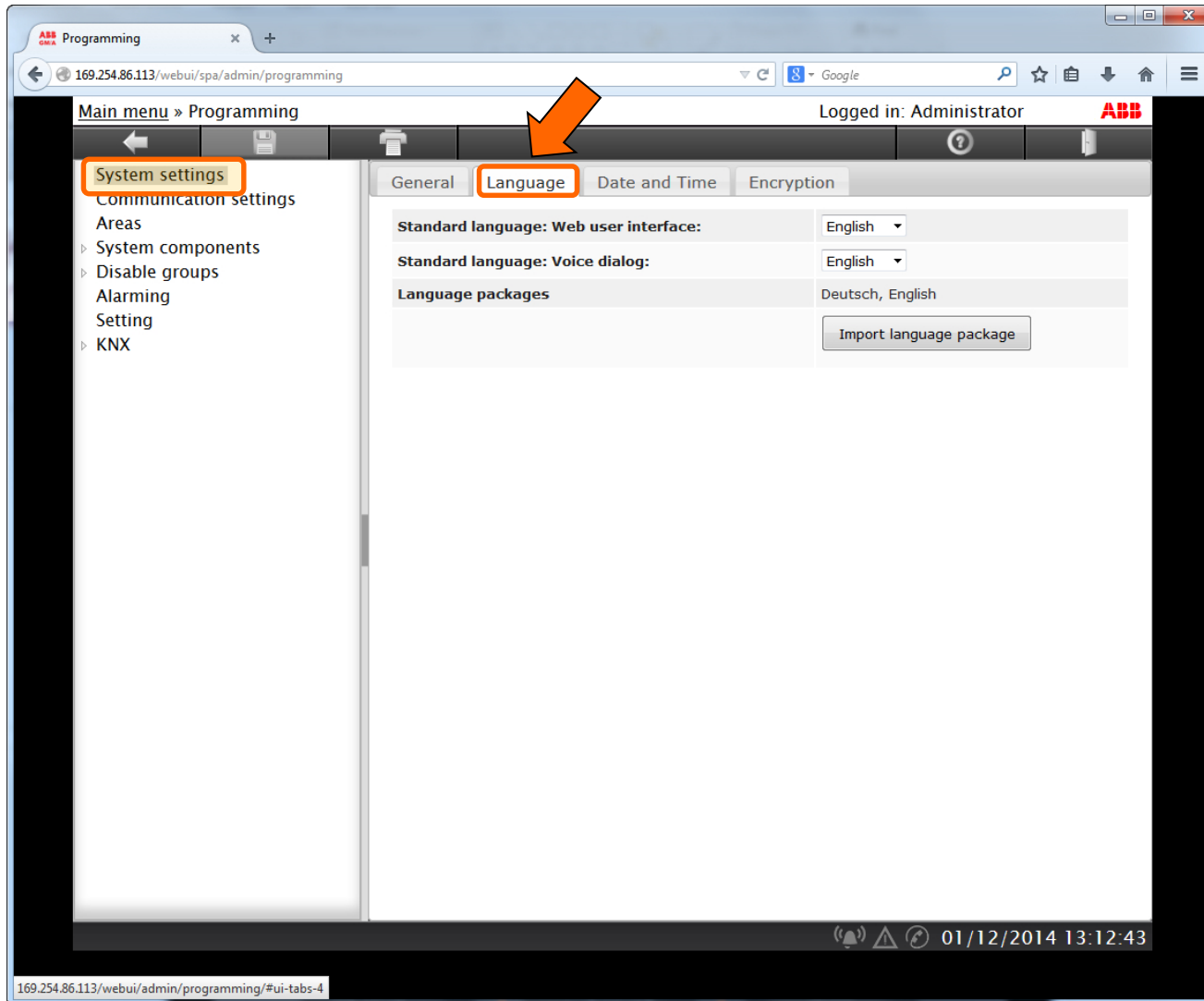
Programming – System settings: General

The screenshot shows the ABB Programming web interface. The browser address bar displays `169.254.86.113/webui/spa/admin/programming`. The page is titled "Main menu » Programming" and shows the user is "Logged in: Administrator". The left sidebar contains a "System settings" menu, which is highlighted with an orange box. The main content area displays the "General" tab, which is also highlighted with an orange box and an orange arrow. The "General" tab contains several sections: "System description" (showing "<not configured>"), "System configuration" (with buttons for "Restore latest configuration", "Import configuration", "Export configuration", "Restore factory settings", and "Export KNX- configuration"), "Firmware" (with buttons for "Update firmware" and "Update KNX firmware", and a table of actual versions), "SD-Card" (with a button for "Insert and mount SD-Card"), and "Web server" (with a checkbox for "Automatically logout").

Section	Item	Value
Firmware	Actual Version (Application)	000.005.000603
	Actual Version (Runtime)	1.0.794.50861
	Actual Version (KNX)	ready/available
	Actual Version (Web UI)	1.0.5

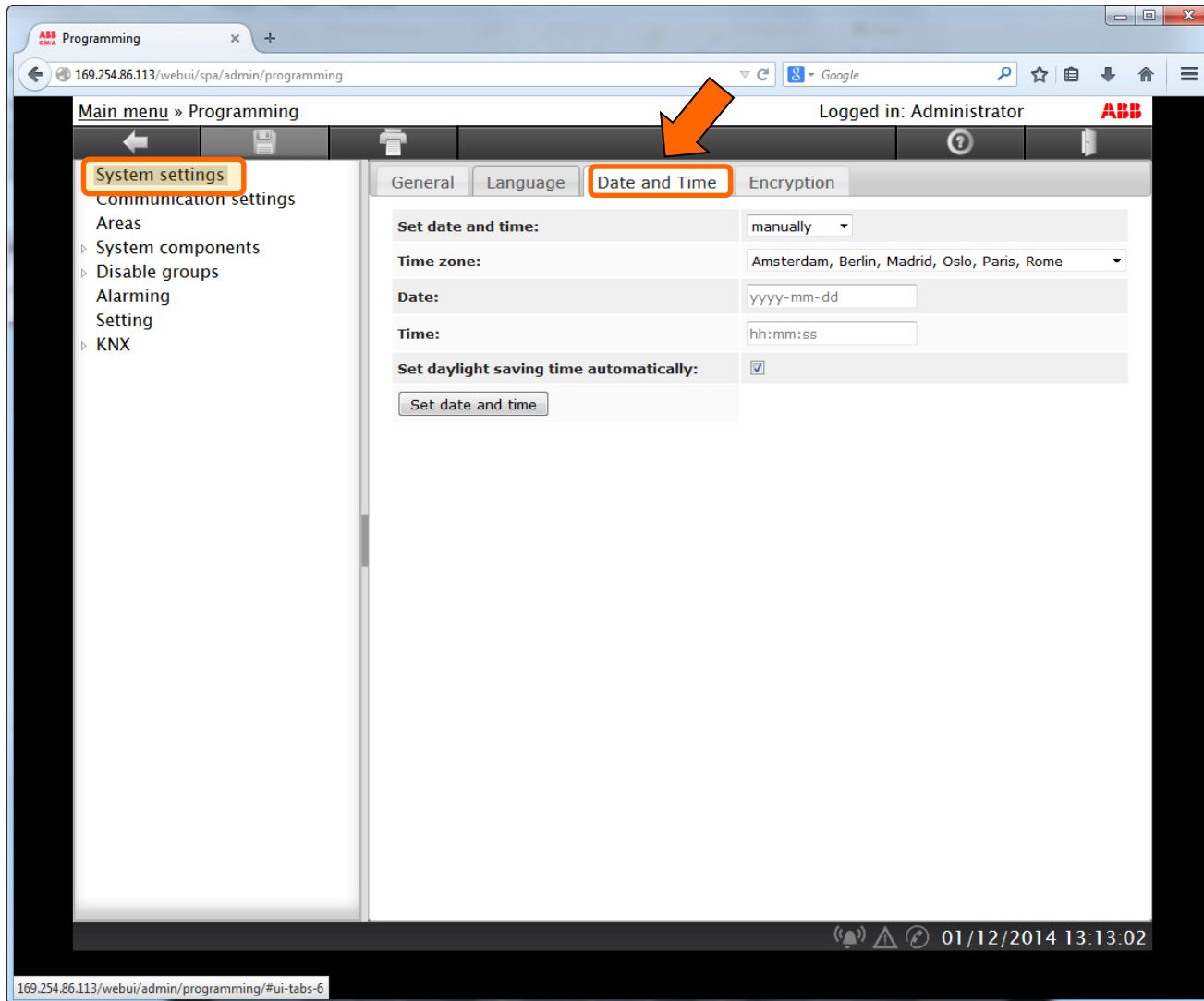
KNX Security Panel GM/A 8.1

Programming – System settings: Language



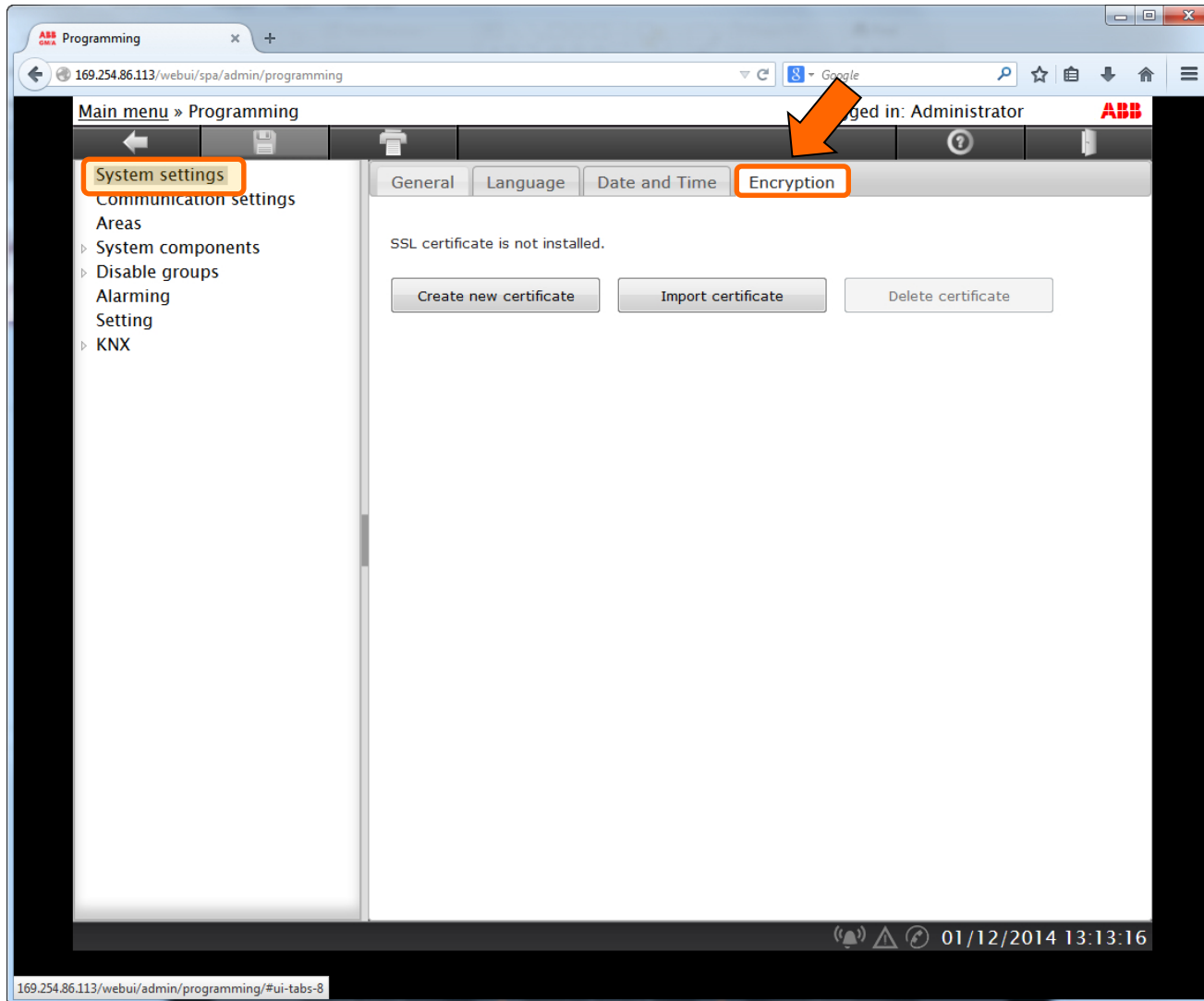
KNX Security Panel GM/A 8.1

Programming – System settings: Date and Time



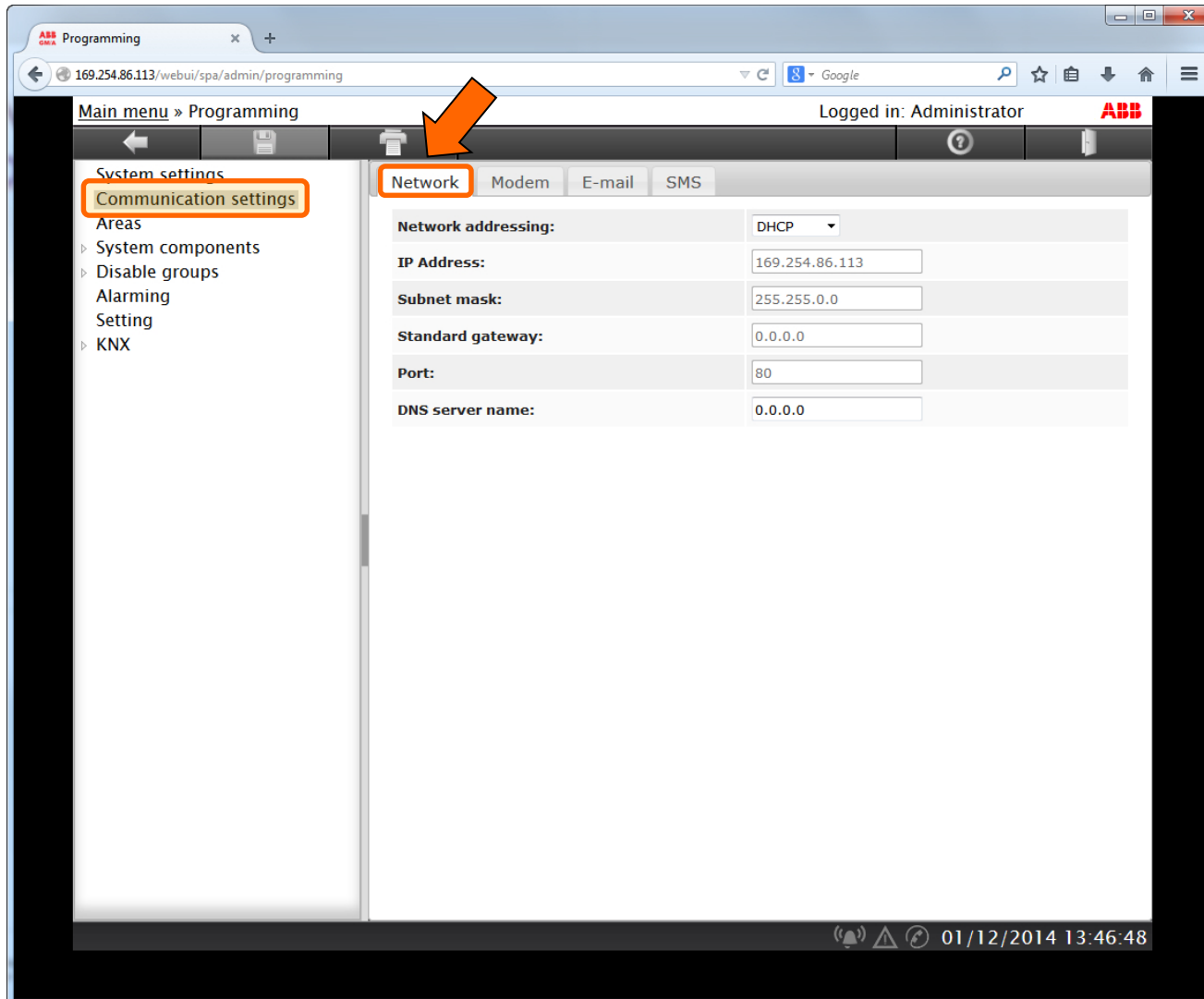
KNX Security Panel GM/A 8.1

Programming – System settings: Encryption



KNX Security Panel GM/A 8.1

Programming – Communication settings: Network



KNX Security Panel GM/A 8.1

Programming – Communication settings: Modem

The screenshot displays the ABB Programming web interface for the KNX Security Panel GM/A 8.1. The browser address bar shows the URL `169.254.216.134/webui/spa/admin/programming`. The user is logged in as Administrator. The left sidebar shows the 'Main menu » Programming' with 'Communication settings' highlighted. The top navigation bar includes 'Network', 'Modem', 'E-mail', and 'SMS'. The 'Modem' tab is selected, and the 'Country specific modem parameters' dropdown menu is open, showing a list of countries with 'Germany' selected. The configuration parameters for the modem are as follows:

Parameter	Value
Activate modem:	<input checked="" type="checkbox"/>
Country specific modem parameters:	Germany
Time to first ring [s]:	1
Time between rings [s]:	2
Time between to busy rings [ms]:	0.5
System is used on a PBAX:	<input type="checkbox"/>
Do not wait for dial tone:	<input type="checkbox"/>
Number of ring tones before taking call:	1
Press asteriks to start announcement:	<input type="checkbox"/>
Number of redials:	3
Time between redial [min]:	5
Redial until acknowledgement via PIN:	<input type="checkbox"/>

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ABB

KNX Security Panel GM/A 8.1

Programming – Communication settings: E-mail

The screenshot shows the ABB Programming web interface. The browser address bar displays '169.254.86.113/webui/spa/admin/programming'. The page title is 'Main menu » Programming'. The user is logged in as 'Administrator'. The left sidebar shows the 'System settings' menu with 'Communication settings' highlighted. The main content area has tabs for 'Network', 'Modem', 'E-mail', and 'SMS'. The 'E-mail' tab is selected, showing the 'E-Mail Account Information' and 'E-Mail Server Information' sections.

E-Mail Account Information

E-Mail address:	<input type="text"/>
Username:	<input type="text"/>
Password:	<input type="password"/>

E-Mail Server Information

SMTP server:	<input type="text"/>
SMTP port:	465
SMTP method:	SMTP authentication ▼

KNX Security Panel GM/A 8.1

Programming – Communication settings: SMS

ABB Programming

169.254.86.113/webui/spa/admin/programming

Main menu » Programming

Logged in: Administrator

System settings

Communication settings

Areas

- System components
- Disable groups
- Alarming
- Setting
- KNX

Network Modem E-mail SMS

SMS-Center 1:

Description:

Telephone number:

Protocol: TAP, PG1 7E1 GSM7

SMS-Center 2:

Description:

Telephone number:

Protocol: TAP, PG1 7E1 GSM7

SMS-Center 3:

Description:

Telephone number:

Protocol: TAP, PG1 7E1 GSM7

SMS-Center 4:

Description:

Telephone number:

Protocol: TAP, PG1 7E1 GSM7

01/12/2014 13:49:15

KNX Security Panel GM/A 8.1

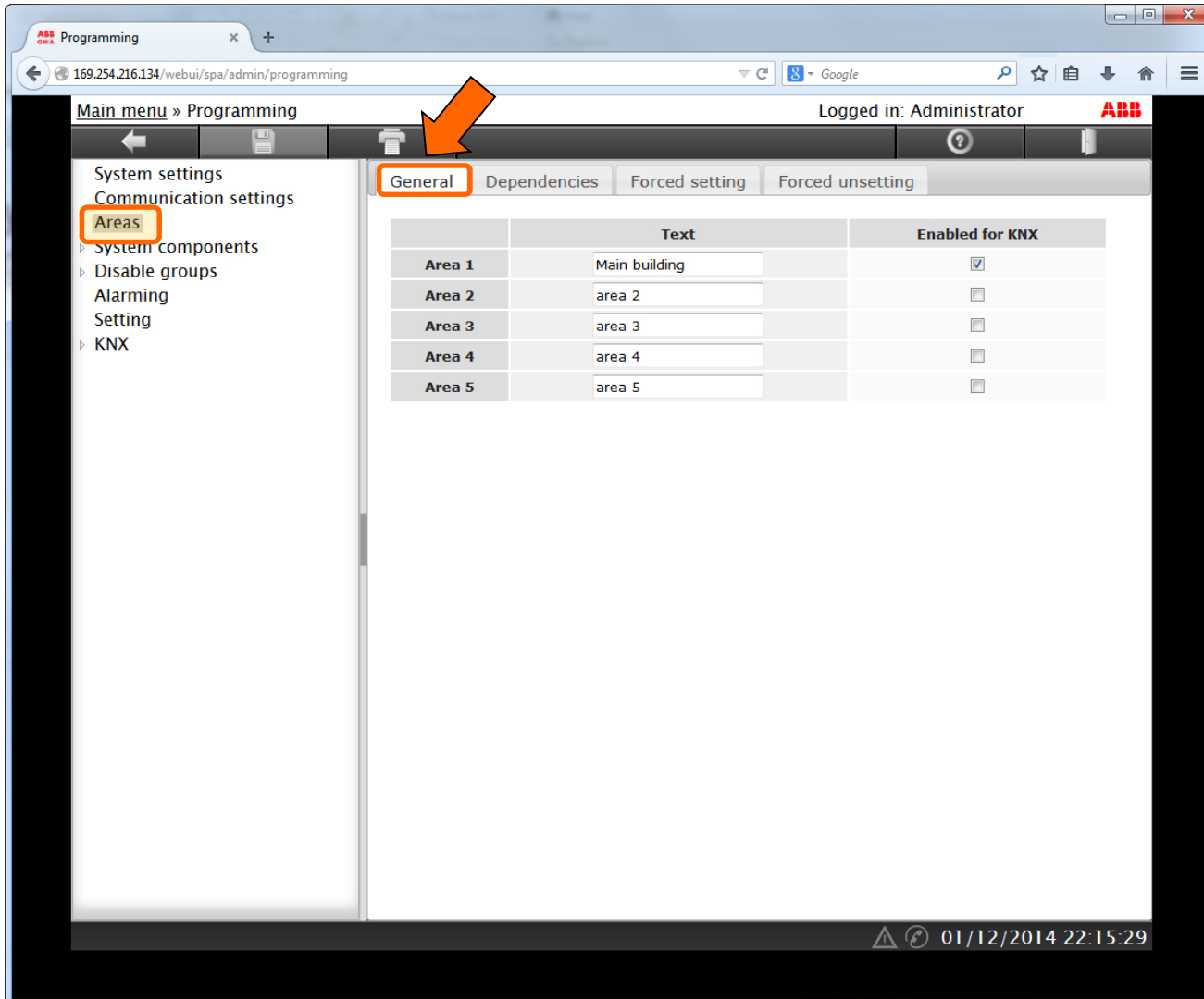
Programming – Areas: General

The screenshot displays the ABB Programming web interface. The browser address bar shows the URL `169.254.86.113/webui/spa/admin/programming`. The page title is "Main menu » Programming". The user is logged in as "Administrator". The sidebar menu on the left includes "System settings", "Communication settings", and "Areas" (which is highlighted with an orange box). The main content area shows the "General" tab selected, with a table listing five areas. An orange arrow points to the "General" tab.

	Text	Enabled for KNX
Area 1	area 1	<input type="checkbox"/>
Area 2	area 2	<input type="checkbox"/>
Area 3	area 3	<input type="checkbox"/>
Area 4	area 4	<input type="checkbox"/>
Area 5	area 5	<input type="checkbox"/>

KNX Security Panel GM/A 8.1

Programming – Areas: General



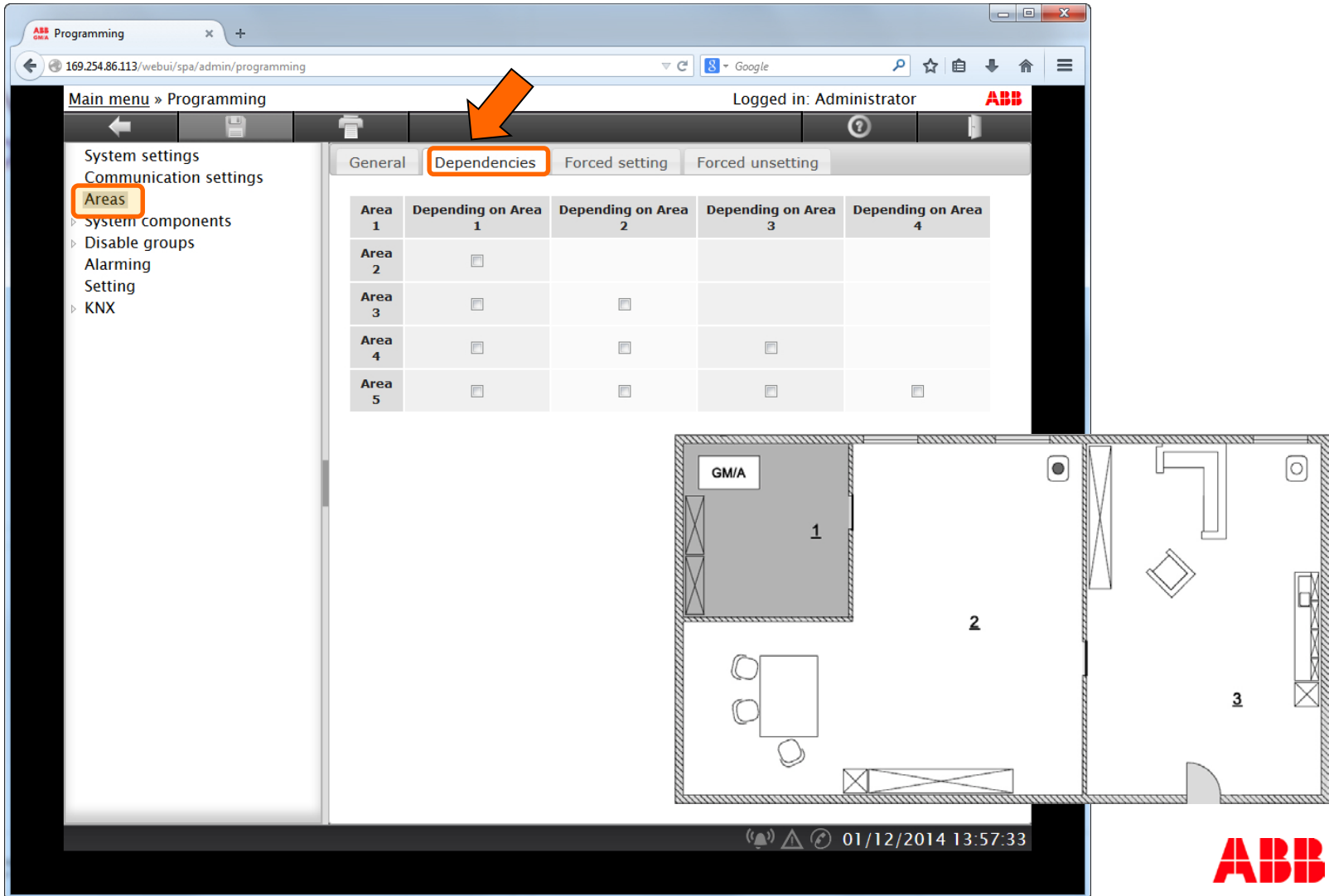
The screenshot displays the ABB Programming web interface. The browser address bar shows the URL `169.254.216.134/webui/spa/admin/programming`. The top navigation bar indicates the user is logged in as Administrator. The left sidebar contains a menu with the following items: System settings, Communication settings, **Areas** (highlighted with an orange box), System components, Disable groups, Alarming, Setting, and KNX. The main content area shows the 'General' tab selected, with a table listing five areas. An orange arrow points to the 'General' tab.

	Text	Enabled for KNX
Area 1	Main building	<input checked="" type="checkbox"/>
Area 2	area 2	<input type="checkbox"/>
Area 3	area 3	<input type="checkbox"/>
Area 4	area 4	<input type="checkbox"/>
Area 5	area 5	<input type="checkbox"/>

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KNX Security Panel GM/A 8.1

Programming – Areas: Dependencies



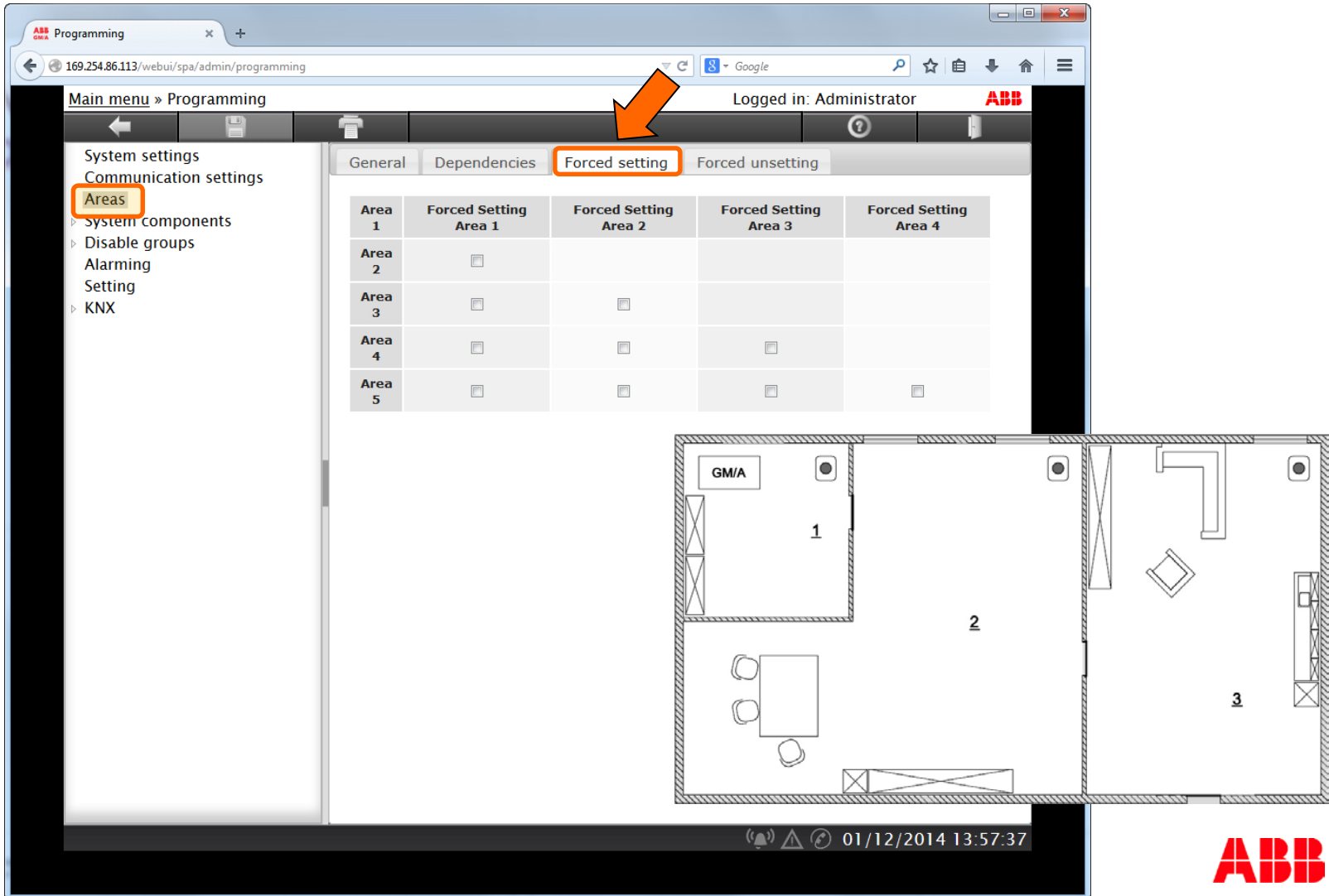
The screenshot displays the ABB GM/A 8.1 Programming web interface. The browser address bar shows the URL `169.254.86.113/webui/spa/admin/programming`. The user is logged in as Administrator. The left sidebar menu includes 'System settings', 'Communication settings', and 'Areas' (highlighted with an orange box). The main content area has tabs for 'General', 'Dependencies' (highlighted with an orange box and an orange arrow), 'Forced setting', and 'Forced unsetting'. The 'Dependencies' tab contains a table with the following data:

Area	Depending on Area 1	Depending on Area 2	Depending on Area 3	Depending on Area 4
Area 1				
Area 2	<input type="checkbox"/>			
Area 3	<input type="checkbox"/>	<input type="checkbox"/>		
Area 4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Area 5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Below the table is a floor plan diagram showing three areas: Area 1 (labeled 'GM/A'), Area 2, and Area 3. The status bar at the bottom indicates the date and time: 01/12/2014 13:57:33.

KNX Security Panel GM/A 8.1

Programming – Areas: Forced setting



The screenshot displays the ABB GM/A 8.1 Programming web interface. The browser address bar shows the URL `169.254.86.113/webui/spa/admin/programming`. The user is logged in as Administrator. The left sidebar menu shows 'Areas' highlighted under 'Communication settings'. The main content area has tabs for 'General', 'Dependencies', 'Forced setting', and 'Forced unsetting'. The 'Forced setting' tab is active, showing a table with columns for Area 1 through Area 5 and checkboxes for forced settings. An orange arrow points to the 'Forced setting' tab. Below the table is a floor plan diagram with three numbered areas (1, 2, 3) and a GM/A unit icon.

Area	Forced Setting Area 1	Forced Setting Area 2	Forced Setting Area 3	Forced Setting Area 4
Area 1	<input type="checkbox"/>			
Area 2	<input type="checkbox"/>	<input type="checkbox"/>		
Area 3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Area 4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Area 5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

01/12/2014 13:57:37

KNX Security Panel GM/A 8.1

Programming – Areas: Forced unsetting

The screenshot displays the ABB GM/A 8.1 Programming web interface. The browser address bar shows the URL `169.254.86.113/webui/spa/admin/programming`. The user is logged in as an administrator. The left sidebar menu includes 'System settings', 'Communication settings', and 'Areas' (highlighted with an orange box). The main content area has tabs for 'General', 'Dependencies', 'Forced setting', and 'Forced unsetting' (highlighted with an orange box and an arrow). Below the tabs is a table with columns for 'Area 1' through 'Area 5' and their respective 'Forced Unsetting' status.

Area	Forced Unsetting Area 1	Forced Unsetting Area 2	Forced Unsetting Area 3	Forced Unsetting Area 4
Area 1	<input type="checkbox"/>			
Area 2	<input type="checkbox"/>	<input type="checkbox"/>		
Area 3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Area 4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Area 5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Below the table is a floor plan diagram showing three areas: 1 (labeled GM/A), 2, and 3. Area 1 contains a desk and chairs. Area 2 is a large open space. Area 3 contains a desk and chairs. The diagram is overlaid on the bottom right of the programming interface.

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ABB

KNX Security Panel GM/A 8.1

Programming – System Components

The screenshot displays the ABB GM/A 8.1 Programming web interface. The browser address bar shows the URL `169.254.86.113/webui/spa/admin/programming`. The page title is "Main menu » Programming". The user is logged in as "Administrator".

The left sidebar contains the following menu items:

- System settings
- Communication settings
- Areas
 - System components** (highlighted with an orange box)
 - Panel
 - Zone modules
 - Bus motion detectors
 - SafeKey modules
 - Keypads
 - KNX zone inputs
 - Alarm transmission system
- Disable groups
- Alarming
- Setting
- KNX

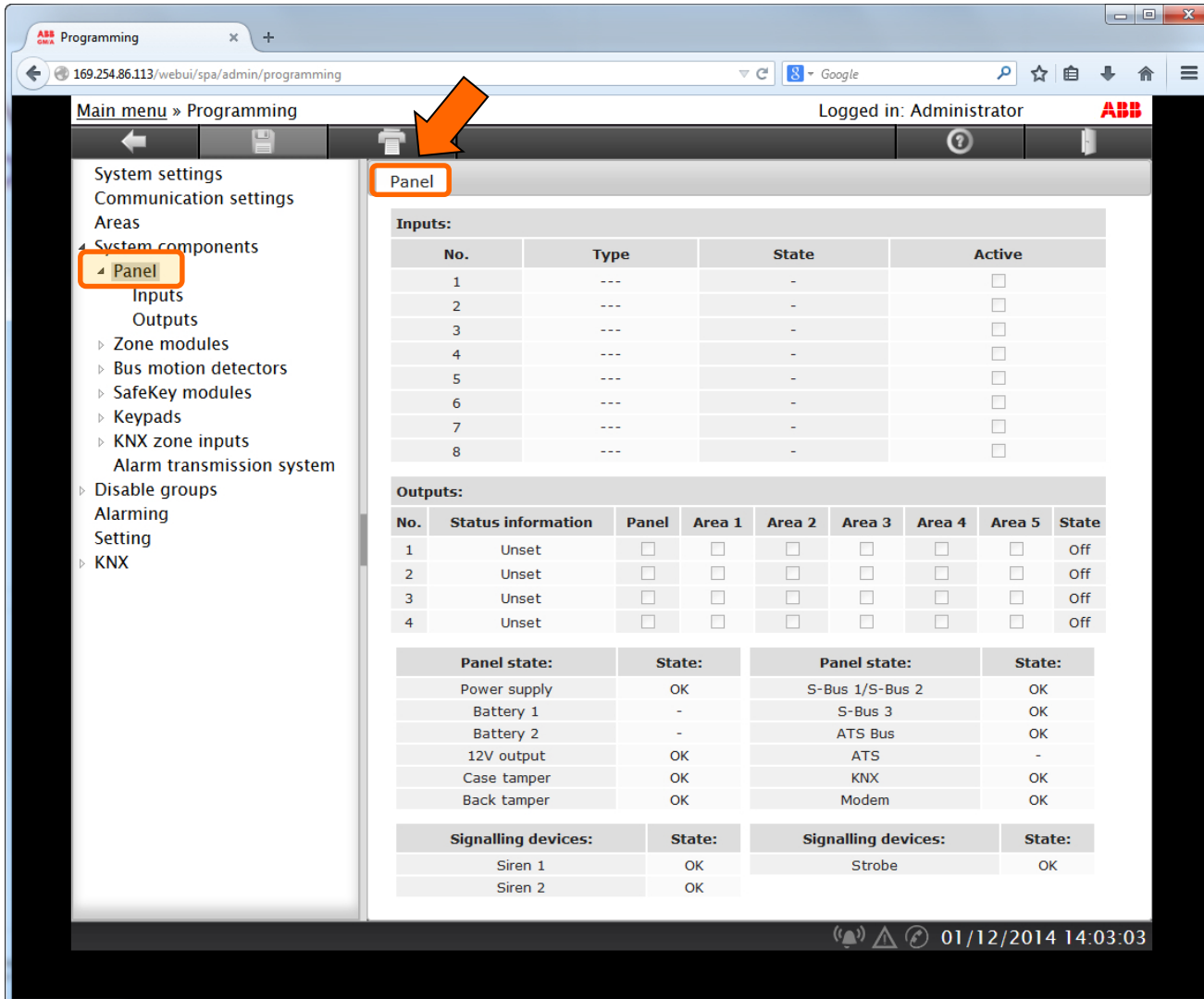
The main content area shows a tabbed interface with tabs for "Area 1", "Area 2", "Area 3", "Area 4", and "Area 5". The "Area 1" tab is selected and highlighted with an orange box. Below the tabs are two buttons: "Activate all components" and "Deactivate all components".

Below the buttons is a table with the following columns: Address, Type, Text, and State. The table is currently empty, with headers for "Zone modules:", "Bus motion detectors:", "SafeKey modules:", "Keypads:", and "KNX zone inputs:".

The bottom status bar shows the date and time: 01/12/2014 14:02:35.

KNX Security Panel GM/A 8.1

Programming – System Components: Panel



The screenshot displays the ABB Programming web interface. The top navigation bar includes a 'Main menu » Programming' link, a 'Logged in: Administrator' status, and the ABB logo. The left sidebar menu shows a tree structure with 'System components' expanded, and 'Panel' selected. The main content area is titled 'Panel' and contains three sections: 'Inputs', 'Outputs', and 'System status'.

Inputs:

No.	Type	State	Active
1	---	-	<input type="checkbox"/>
2	---	-	<input type="checkbox"/>
3	---	-	<input type="checkbox"/>
4	---	-	<input type="checkbox"/>
5	---	-	<input type="checkbox"/>
6	---	-	<input type="checkbox"/>
7	---	-	<input type="checkbox"/>
8	---	-	<input type="checkbox"/>

Outputs:

No.	Status information	Panel	Area 1	Area 2	Area 3	Area 4	Area 5	State
1	Unset	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Off
2	Unset	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Off
3	Unset	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Off
4	Unset	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Off

System status:

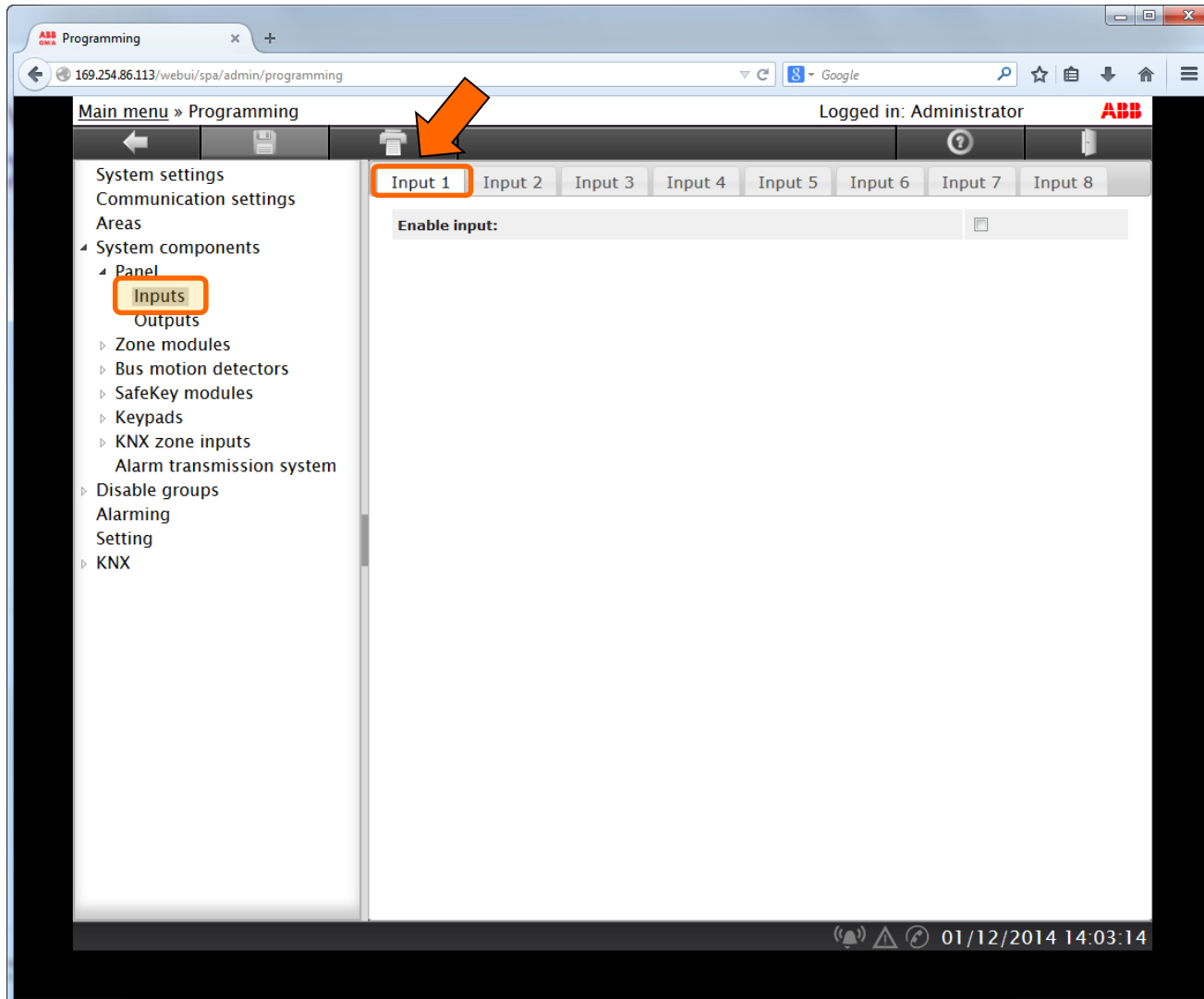
Panel state:	State:	Panel state:	State:
Power supply	OK	S-Bus 1/S-Bus 2	OK
Battery 1	-	S-Bus 3	OK
Battery 2	-	ATS Bus	OK
12V output	OK	ATS	-
Case tamper	OK	KNX	OK
Back tamper	OK	Modem	OK

Signalling devices:

Signalling devices:	State:	Signalling devices:	State:
Siren 1	OK	Strobe	OK
Siren 2	OK		

KNX Security Panel GM/A 8.1

Programming – System Components: Panel Inputs



KNX Security Panel GM/A 8.1

Programming – System Components: Panel Inputs

ABB Programming

169.254.86.113/webui/spa/admin/programming

Main menu » Programming

Logged in: Administrator

Input 1* Input 2 Input 3 Input 4 Input 5 Input 6 Input 7 Input 8

System settings
Communication settings
Areas
System components
Panel
Inputs
Outputs
Zone modules
Bus motion detectors
SafeKey modules
Keypads
KNX zone inputs
Alarm transmission system
Disable groups
Alarming
Setting
KNX

Enable input: ☒

Number: P_1

Area assignment: 1

Text:

Input function: Magnetic contact

Type of monitoring: Contact with EOL resistor

Alarm behavior: Normal

Alarm in unset state: ☐

Disable group for unset state: ---

Alarm in internal set state: ☒

Disable group for internal set state: ---

Alarm in external set state: ☒

Disable group for external set state: ---

Show status via KNX: ☐

01/12/2014 14:03:29

KNX Security Panel GM/A 8.1

Programming – System Components: Panel Inputs

max. 14 characters
Text will be taken as the
name of the ETS group
object !!!

208 Window Kitchen Status Panel, zone 1

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ABB

KNX Security Panel GM/A 8.1

Programming – System Components: Panel Inputs

The screenshot displays the ABB Programming web interface for the KNX Security Panel GM/A 8.1. The interface is divided into several sections:

- Top Bar:** Shows the ABB logo, the text "ABB Programming", and the URL "169.254.86.113/webui/spa/admin/programming". It also indicates the user is "Logged in: Administrator".
- Left Sidebar:** Contains a "Main menu" with options like "System settings", "Communication settings", "Areas", "System components", "Panel", "Outputs", "Zone modules", "Bus motion detectors", "SafeKey modules", "Keypads", "KNX zone inputs", "Alarm transmission system", "Disable groups", "Alarming", "Setting", and "KNX". The "Inputs" option under "Panel" is highlighted with an orange box.
- Top Navigation:** Features tabs for "Input 1*", "Input 2", "Input 3", "Input 4", "Input 5", "Input 6", "Input 7", and "Input 8". An orange arrow points to the "Input 1*" tab.
- Main Configuration Area:** Displays settings for "Input 1*":
 - Enable input:** ☒
 - Number:** P_1
 - Area assignment:** 1
 - Text:** Window Kitchen
 - Input function:** Magnetic contact (highlighted with an orange arrow and a dropdown menu)
 - Type of monitoring:** Contact with EOL resistor
 - Alarm behavior:** Normal
 - Alarm in unset state:** ☐
 - Disable group for unset state:** ---
 - Alarm in internal set state:** ☒
 - Disable group for internal set state:** ---
 - Alarm in external set state:** ☒
 - Disable group for external set state:** ---
 - Show status via KNX:** ☐
- Dropdown Menu:** A list of input functions is shown, with "Magnetic contact" selected. The options include: Window contact, Door contact, Magnetic contact, Glass break detector, Motion detector, Infrared barrier, Tamper contact, Hold-up detector, Panic detector, Emergency detector, Smoke detector, Technical sensor 1, Technical sensor 2, Door lock monitoring, Window lock monitoring, Reset input, and Setting/Unsetting input.

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ABB

KNX Security Panel GM/A 8.1

Programming – System Components: Panel Inputs

The screenshot displays the ABB GM/A 8.1 Programming web interface. The browser address bar shows the URL `169.254.86.113/webui/spa/admin/programming`. The user is logged in as Administrator. The left sidebar menu shows the navigation structure: Main menu » Programming, System settings, Communication settings, Areas, System components, Panel (selected), Inputs (highlighted), Outputs, Zone modules, Bus motion detectors, SafeKey modules, Keypads, KNX zone inputs, Alarm transmission system, Disable groups, Alarming, Setting, and KNX. The main content area shows the configuration for Input 1*. An orange arrow points to the 'Input 1*' tab. The configuration fields are as follows:

Field	Value
Enable input:	<input checked="" type="checkbox"/>
Number:	P_1
Area assignment:	1
Text:	Window Kitchen
Input function:	Magnetic contact
Type of monitoring:	Contact with EOL resistor
Alarm behavior:	Normal
Alarm in unset state:	<input type="checkbox"/>
Disable group for unset state:	---
Alarm in internal set state:	<input checked="" type="checkbox"/>
Disable group for internal set state:	---
Alarm in external set state:	<input checked="" type="checkbox"/>
Disable group for external set state:	---
Show status via KNX:	<input type="checkbox"/>

An orange arrow points to the 'Contact with EOL resistor' option in the 'Type of monitoring' dropdown. A blue callout box contains the text: 'Contact with EOL resistor', 'N/C contact with tamper detection', and 'N/C contact'.

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ABB

KNX Security Panel GM/A 8.1

Programming – System Components: Panel Inputs

The screenshot displays the ABB GM/A 8.1 Programming web interface. The browser address bar shows the URL `169.254.86.113/webui/spa/admin/programming`. The user is logged in as Administrator. The left sidebar menu shows the navigation structure: Main menu » Programming, System settings, Communication settings, Areas, System components, Panel (selected), Inputs (highlighted), Outputs, Zone modules, Bus motion detectors, SafeKey modules, Keypads, KNX zone inputs, Alarm transmission system, Disable groups, Alarming, Setting, and KNX. The main content area shows the configuration for Input 1*. An orange arrow points to the 'Input 1*' tab. The configuration fields are as follows:

Field	Value
Enable input:	<input checked="" type="checkbox"/>
Number:	P_1
Area assignment:	1
Text:	Window Kitchen
Input function:	Magnetic contact
Type of monitoring:	Contact with EOL resistor
Alarm behavior:	Normal
Alarm in unset state:	<input type="checkbox"/>
Disable group for unset state:	---
Alarm in internal set state:	<input checked="" type="checkbox"/>
Disable group for internal set state:	---
Alarm in external set state:	<input checked="" type="checkbox"/>
Disable group for external set state:	---
Show status via KNX:	<input type="checkbox"/>

An orange arrow points to the 'Normal' option in the 'Alarm behavior' dropdown. A callout box on the right lists the available options for the 'Alarm behavior' dropdown:

- Normal
- Prealarm
- Entry contact
- Last door contact
- Access contact

The bottom status bar shows the date and time: 01/12/2014 14:05:56.

KNX Security Panel GM/A 8.1

Programming – System Components: Panel Inputs

The screenshot displays the ABB GM/A 8.1 Programming web interface. The browser address bar shows the URL `169.254.86.113/webui/spa/admin/programming`. The page is titled "Main menu » Programming" and shows the user is "Logged in: Administrator".

The left sidebar contains a navigation menu with the following items:

- System settings
- Communication settings
- Areas
- System components
 - Panel
 - Inputs** (highlighted with an orange box)
 - Outputs
 - Zone modules
 - Bus motion detectors
 - SafeKey modules
 - Keypads
 - KNX zone inputs
 - Alarm transmission system
- Disable groups
- Alarming
- Setting
- KNX

The main content area shows the configuration for "Input 1*". The configuration fields are as follows:

Field	Value
Enable input:	<input checked="" type="checkbox"/>
Number:	P_1
Area assignment:	1
Text:	Window Kitchen
Input function:	Magnetic contact
Type of monitoring:	Contact with EOL resistor
Alarm behavior:	Normal
Alarm in unset state:	<input type="checkbox"/>
Disable group for unset state:	---
Alarm in internal set state:	<input checked="" type="checkbox"/>
Disable group for internal set state:	---
Alarm in external set state:	<input checked="" type="checkbox"/>
Disable group for external set state:	---
Show status via KNX:	<input type="checkbox"/>

Four orange arrows point to the "Input 1*" tab, the "Inputs" menu item, and the three alarm state checkboxes (unset, internal set, external set).

The bottom status bar shows the date and time: 01/12/2014 14:05:56.

KNX Security Panel GM/A 8.1

Programming – System Components: Panel Inputs

The screenshot displays the ABB Programming web interface. The browser address bar shows `169.254.86.113/webui/spa/admin/programming`. The page is titled "Main menu » Programming" and "Logged in: Administrator". The left sidebar contains a tree view with "System components" expanded, and "Inputs" selected. The main content area shows the configuration for "Input 1*".

Input 1* Configuration:

- Enable input: ☒
- Number: P_1
- Area assignment: 1
- Text: Window Kitchen
- Input function: Magnetic contact
- Type of monitoring: Contact with EOL resistor
- Alarm behavior: Normal
- Alarm in unset state: ☐
- Disable group for unset state: ---
- Alarm in internal set state: ☒
- Disable group for internal set state: ---
- Alarm in external set state: ☒
- Disable group for external set state: ---
- Show status via KNX: ☐

A dropdown menu for the "Disable group" fields is shown, listing options from "Disable group 1" to "Disable group 20".

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KNX Security Panel GM/A 8.1

Programming – System Components: Panel Inputs

The screenshot displays the ABB GM/A 8.1 Programming web interface. The browser address bar shows the URL `169.254.86.113/webui/spa/admin/programming`. The page is titled "Main menu » Programming" and shows the user is "Logged in: Administrator".

On the left sidebar, the "System components" menu is expanded, and the "Inputs" sub-menu is highlighted with an orange box. An orange arrow points to the "Input 1*" tab in the top navigation bar.

The main configuration area for "Input 1*" contains the following settings:

- Enable input:** ☒
- Number:** P_1
- Area assignment:** 1
- Text:** Window Kitchen
- Input function:** Magnetic contact
- Type of monitoring:** Contact with EOL resistor
- Alarm behavior:** Normal
- Alarm in unset state:** ☐
- Disable group for unset state:** ---
- Alarm in internal set state:** ☒
- Disable group for internal set state:** ---
- Alarm in external set state:** ☒
- Disable group for external set state:** ---
- Show status via KNX:** ☐ (highlighted with an orange arrow)

The bottom status bar shows the date and time: 01/12/2014 14:05:56.

KNX Security Panel GM/A 8.1

Programming – System Components: Panel Inputs

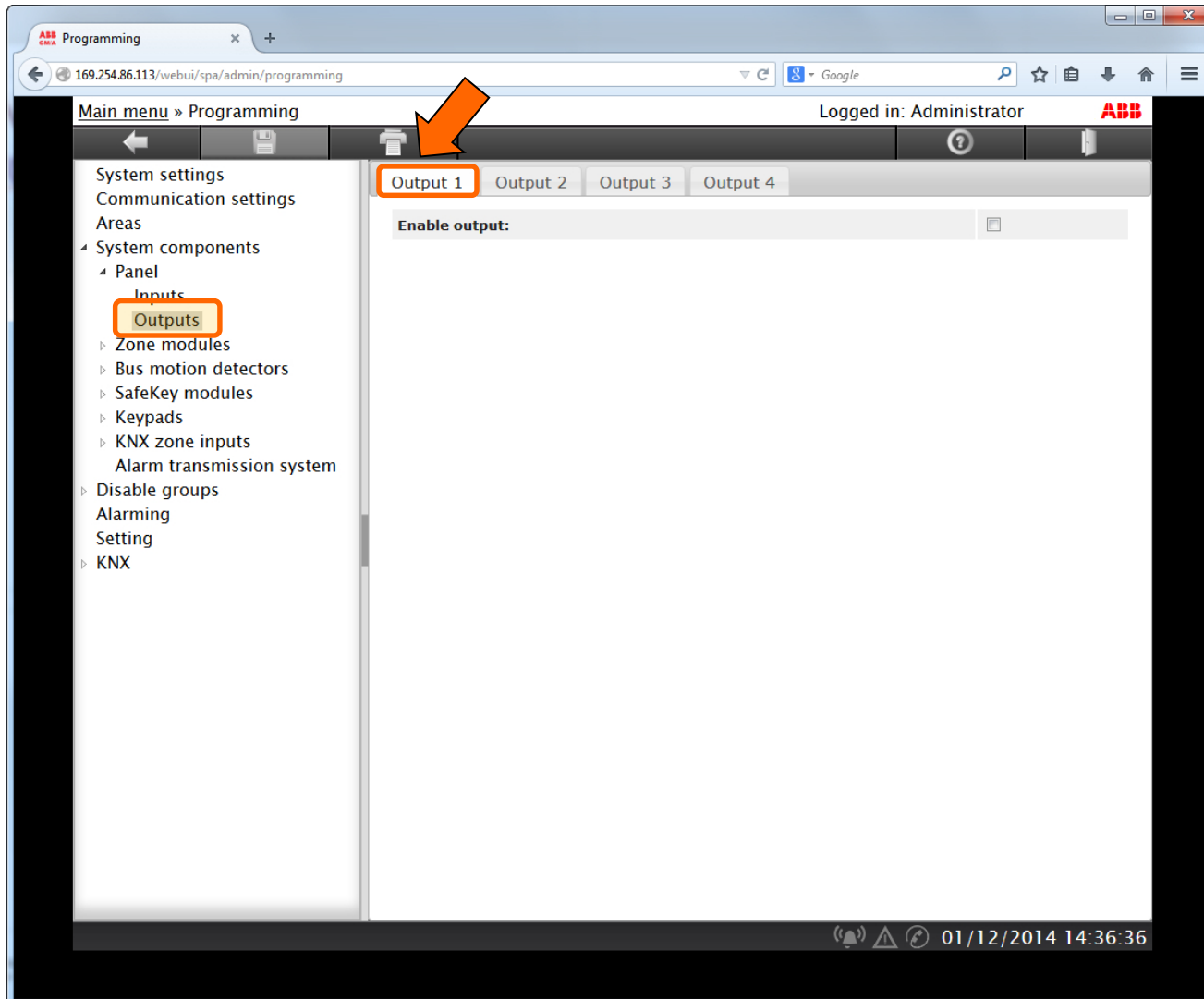
The screenshot displays the ABB KNX Security Panel GM/A 8.1 programming interface. The browser address bar shows the URL `169.254.216.134/webui/spa/admin/programming`. The user is logged in as Administrator. The left sidebar menu shows the navigation structure: Main menu » Programming, System settings, Communication settings, Areas, System components, Panel (selected), Inputs (selected), Outputs, Zone modules, Bus motion detectors, SafeKey modules, Keypads, KNX zone inputs, Alarm transmission system, Disable groups, Alarming, Setting, and KNX. The main content area shows the configuration for Input 1. The configuration fields are as follows:

Field	Value
Enable input:	<input checked="" type="checkbox"/>
Number:	P_1
Area assignment:	1
Text:	Window Kitchen
Input function:	Magnetic contact
Type of monitoring:	Contact with EOL resistor
Alarm behavior:	Normal
Alarm in unset state:	<input type="checkbox"/>
Disable group for unset state:	---
Alarm in internal set state:	<input checked="" type="checkbox"/>
Disable group for internal set state:	Disable group 4
Alarm in external set state:	<input checked="" type="checkbox"/>
Disable group for external set state:	---
Show status via KNX:	<input checked="" type="checkbox"/>
With alarm memory:	<input checked="" type="checkbox"/>
KNX object number:	208

Orange arrows highlight the 'Inputs' menu item, the 'Input 1' tab, and the 'Show status via KNX' and 'With alarm memory' checkboxes.

KNX Security Panel GM/A 8.1

Programming – System Components: Panel Outputs



KNX Security Panel GM/A 8.1

Programming – System Components: Panel Outputs

The screenshot displays the ABB GM/A 8.1 Programming web interface. The left sidebar contains a navigation menu with the following items: System settings, Communication settings, Areas, System components, Panel, Inputs, **Outputs** (highlighted), Zone modules, Bus motion detectors, SafeKey modules, Keypads, KNX zone inputs, Alarm transmission system, Disable groups, Alarming, Setting, and KNX. The main content area shows the configuration for Output 1*. The configuration fields are: Enable output: ☒, Device state: Unset (dropdown menu), Invert output: ☐, Assignment: ☐ Panel, ☒ Area 1, ☐ Area 2, ☐ Area 3, ☐ Area 4, ☐ Area 5, and Flashing: ☐. A dropdown menu is open for the Device state field, showing the following options: Unset, Ready to set (externally), Ready to set (internally), Delayed ready to set (externally), Internal set, External set, Internal or external set, Setting confirmation, Unsetting confirmation, Delay time, Alarm delay time, Error during setting, Reset, Tamper reset, Walktest, Internal warning, Internal siren, External sirens, External strobe, and Fault. The top header shows the ABB logo, the user is logged in as Administrator, and the date and time are 01/12/2014 14:36:51.

ABB GM/A 8.1 Programming

169.254.86.113/webui/spa/admin/programming

Main menu » Programming

Logged in: Administrator

Output 1* Output 2 Output 3 Output 4

Enable output: ☒

Device state: Unset

Invert output: ☐

Assignment:

☐ Panel

☒ Area 1

☐ Area 2

☐ Area 3

☐ Area 4

☐ Area 5

Flashing: ☐

Unset

Ready to set (externally)

Ready to set (internally)

Delayed ready to set (externally)

Internal set

External set

Internal or external set

Setting confirmation

Unsetting confirmation

Delay time

Alarm delay time

Error during setting

Reset

Tamper reset

Walktest

Internal warning

Internal siren

External sirens

External strobe

Fault

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ABB

KNX Security Panel GM/A 8.1

Programming – System Components: Panel

ABB Programming

169.254.86.113/webui/spa/admin/programming

Main menu » Programming

Logged in: Administrator

System settings

Communication settings

Areas

System components

Panel

Inputs

Outputs

Zone modules

4-fold (MG/E 4.4.1): 1

Bus motion detectors

SafeKey modules

Keypads

KNX zone inputs

Alarm transmission system

Disable groups

Alarming

Setting

KNX

Panel

Inputs:

No.	Type	State	Active
1	Magnetic contact	Triggered	<input checked="" type="checkbox"/>
2	Glass break detector	OK	<input checked="" type="checkbox"/>
3	Motion detector	OK	<input checked="" type="checkbox"/>
4	Door contact	Triggered	<input checked="" type="checkbox"/>
5	Tamper contact	OK	<input checked="" type="checkbox"/>
6	Door lock monitoring	OK	<input checked="" type="checkbox"/>
7	Smoke detector	Deactivated	<input type="checkbox"/>
8	---	-	<input type="checkbox"/>

Outputs:

No.	Status information	Panel	Area 1	Area 2	Area 3	Area 4	Area 5	State
1	Unset	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	On
2	Internal or external set	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Off
3	Walktest	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Off
4	Fire alarm	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Off

Panel state:	State:	Panel state:	State:
Power supply	OK	S-Bus 1/S-Bus 2	OK
Battery 1	-	S-Bus 3	OK
Battery 2	-	ATS Bus	OK
12V output	OK	ATS	-
Case tamper	OK	KNX	OK
Back tamper	OK	Modem	OK

Signalling devices:	State:	Signalling devices:	State:
Siren 1	OK	Strobe	OK
Siren 2	OK		

01/12/2014 14:53:51

KNX Security Panel GM/A 8.1

Programming – System Components: Zone Modules



The screenshot shows the ABB Programming web interface. The browser address bar displays `169.254.86.113/webui/spa/admin/programming`. The page is titled "Main menu » Programming" and shows the user is "Logged in: Administrator".

In the left sidebar, under "System components", the "Zone modules" option is highlighted with an orange box. An orange arrow points from this option to the "Zone modules" tab in the main content area, which is also highlighted with an orange box.

The main content area contains several buttons: "Activate all modules", "Deactivate all modules", "Delete all modules", "Start scan mode", and "Add new module". Below these buttons is a table with the following headers: "Address", "Type", "State", and "Area".

A text box on the right side of the interface states: "max. 32 Zone modules".

The bottom status bar shows the date and time: "01/12/2014 14:41:52".

KNX Security Panel GM/A 8.1

Programming – System Components: Zone Modules



The screenshot shows the ABB Programming web interface. The left sidebar contains a navigation menu with the following items: System settings, Communication settings, Areas, System components (expanded), Panel, Zone modules (highlighted with an orange box), bus motion detectors, SafeKey modules, Keypads, KNX zone inputs, Alarm transmission system, Disable groups, Alarming, Setting, and KNX. The main content area is titled 'Zone modules' and features an orange arrow pointing to the 'Zone modules' link in the sidebar. Below the title, there are four buttons: 'Activate all modules', 'Deactivate all modules', 'Delete all modules', and 'Start scan mode'. A modal window titled 'Scan mode' is open, displaying the message 'Scan mode is running...' and 'Modules found:'. Below this, a table lists the found modules:

Address	Type
1	4-fold (MG/E 4.4.1)

The modal window also includes an 'Abort' button at the bottom right. The top of the interface shows the browser address bar with the URL '169.254.86.113/webui/spa/admin/programming' and the user 'Logged in: Administrator'. The bottom status bar displays the date and time '01/12/2014 14:43:05'.

KNX Security Panel GM/A 8.1

Programming – System Components: Zone Modules



The screenshot shows the ABB Programming web interface. The browser address bar displays `169.254.86.113/webui/spa/admin/programming`. The page title is "Main menu » Programming". The user is logged in as "Administrator".

The left sidebar menu includes the following items:

- System settings
- Communication settings
- Areas
- System components
 - Panel
 - Zone modules**
 - 4-fold (MG/E 4.4.1): 1
 - Bus motion detectors
 - SafeKey modules
 - Keypads
 - KNX zone inputs
 - Alarm transmission system
 - Disable groups
 - Alarming
 - Setting
 - KNX

The main content area is titled "Zone modules" and features several buttons:

- Activate all modules
- Deactivate all modules
- Delete all modules
- Start scan mode
- Add new module

Below the buttons is a table with the following data:

Address	Type	State	Area
1	4-fold (MG/E 4.4.1)	Deactivated	Area 1

The bottom status bar shows the date and time: 01/12/2014 14:43:23.

KNX Security Panel GM/A 8.1

Programming – System Components: Zone Modules



ABB Programming

169.254.86.113/webui/spa/admin/programming

Logged in: Administrator

Main menu » Programming

System settings
Communication settings
Areas
System components
 Panel
 Zone modules
 4-fold (MG/E 4.4.1): 1
 Bus motion detectors
 SafeKey modules
 Keypads
 KNX zone inputs
 Alarm transmission system
 Disable groups
 Alarming
 Setting
 KNX

General Input 1 Input 2 Input 3 Input 4 Output 1 Output 2 Output 3

Text:

Type: 4-fold (MG/E 4.4.1)

Address: 1

Area assignment: Area 1

State: Deactivated

Inputs:

No.	Type	State	Active
1	---	-	<input type="checkbox"/>
2	---	-	<input type="checkbox"/>
3	---	-	<input type="checkbox"/>
4	---	-	<input type="checkbox"/>

Outputs:

No.	Status information:	Panel	Area 1	Area 2	Area 3	Area 4	Area 5	State
1	Unset	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Off
2	Unset	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Off
3	Unset	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Off

01/12/2014 14:43:53

KNX Security Panel GM/A 8.1

Programming – System Components: Zone Modules



The screenshot shows a web browser window titled 'ABB Programming' with the URL '169.254.86.113/webui/spa/admin/programming'. The page is logged in as 'Administrator'. The left sidebar menu includes 'Main menu > Programming', 'System settings', 'Communication settings', 'Areas', 'System components', 'Panel', 'Zone modules', '4-fold (MG/E 4.4.1): 1', 'Bus motion detectors', 'SafeKey modules', 'Keypads', 'KNX zone inputs', 'Alarm transmission system', 'Disable groups', 'Alarming', 'Setting', and 'KNX'. The '4-fold (MG/E 4.4.1): 1' item is highlighted with an orange box. The main content area has tabs for 'General', 'Input 1', 'Input 2', 'Input 3', 'Input 4', 'Output 1', 'Output 2', and 'Output 3'. The 'Input 1' tab is selected and highlighted with an orange box. Below the tabs, there is a section labeled 'Enable input:' with a checkbox that is currently unchecked. The bottom status bar shows the date and time '01/12/2014 14:44:06'.

KNX Security Panel GM/A 8.1

Programming – System Components: Zone Modules

A screenshot of the ABB GM/A 8.1 programming web interface. The browser address bar shows the URL 169.254.86.113/webui/spa/admin/programming. The page is titled "Main menu » Programming" and shows the user is logged in as Administrator. The left sidebar contains a tree view of system settings, with "Zone modules" expanded and "4-fold (MG/E 4.4.1): 1" selected. The main content area displays the configuration for "Input 1*", which is highlighted by an orange arrow. The configuration includes fields for "Enable input", "Number", "Area assignment", "Text", "Input function", "Type of monitoring", "Alarm behavior", "Alarm in unset state", "Disable group for unset state", "Alarm in internal set state", "Disable group for internal set state", "Alarm in external set state", "Disable group for external set state", and "Show status via KNX".

ABB GM/A 8.1 Programming

169.254.86.113/webui/spa/admin/programming

Main menu » Programming

Logged in: Administrator

System settings
Communication settings
Areas
System components
 Panel
 Zone modules
 4-fold (MG/E 4.4.1): 1
 Bus motion detectors
 SafeKey modules
 Keypads
 KNX zone inputs
 Alarm transmission system
 Disable groups
 Alarming
 Setting
 KNX

General Input 1* Input 2 Input 3 Input 4 Output 1 Output 2

Output 3

Enable input: ☒

Number: MGT_1_1

Area assignment: 1

Text:

Input function: Magnetic contact

Type of monitoring: Contact with EOL resistor

Alarm behavior: Normal

Alarm in unset state: ☐

 Disable group for unset state: ---

Alarm in internal set state: ☒

 Disable group for internal set state: ---

Alarm in external set state: ☒

 Disable group for external set state: ---

Show status via KNX: ☐

01/12/2014 14:44:15

KNX Security Panel GM/A 8.1

Programming – System Components: Bus Motion Det.



ABB Programming

169.254.86.113/webui/spa/admin/programming

Main menu » Programming

Logged in: Administrator

System settings

Communication settings

Areas

System components

- Panel
- Zone modules
- Bus motion detectors**
- Sarekey modules
- Keypads
- KNX zone inputs
- Alarm transmission system
- Disable groups
- Alarming
- Setting
- KNX

Bus motion detectors

Activate all detectors

Deactivate all detectors

Delete all detectors

Start teaching mode

Add new motion detector

Recalibrate Anti-Mask

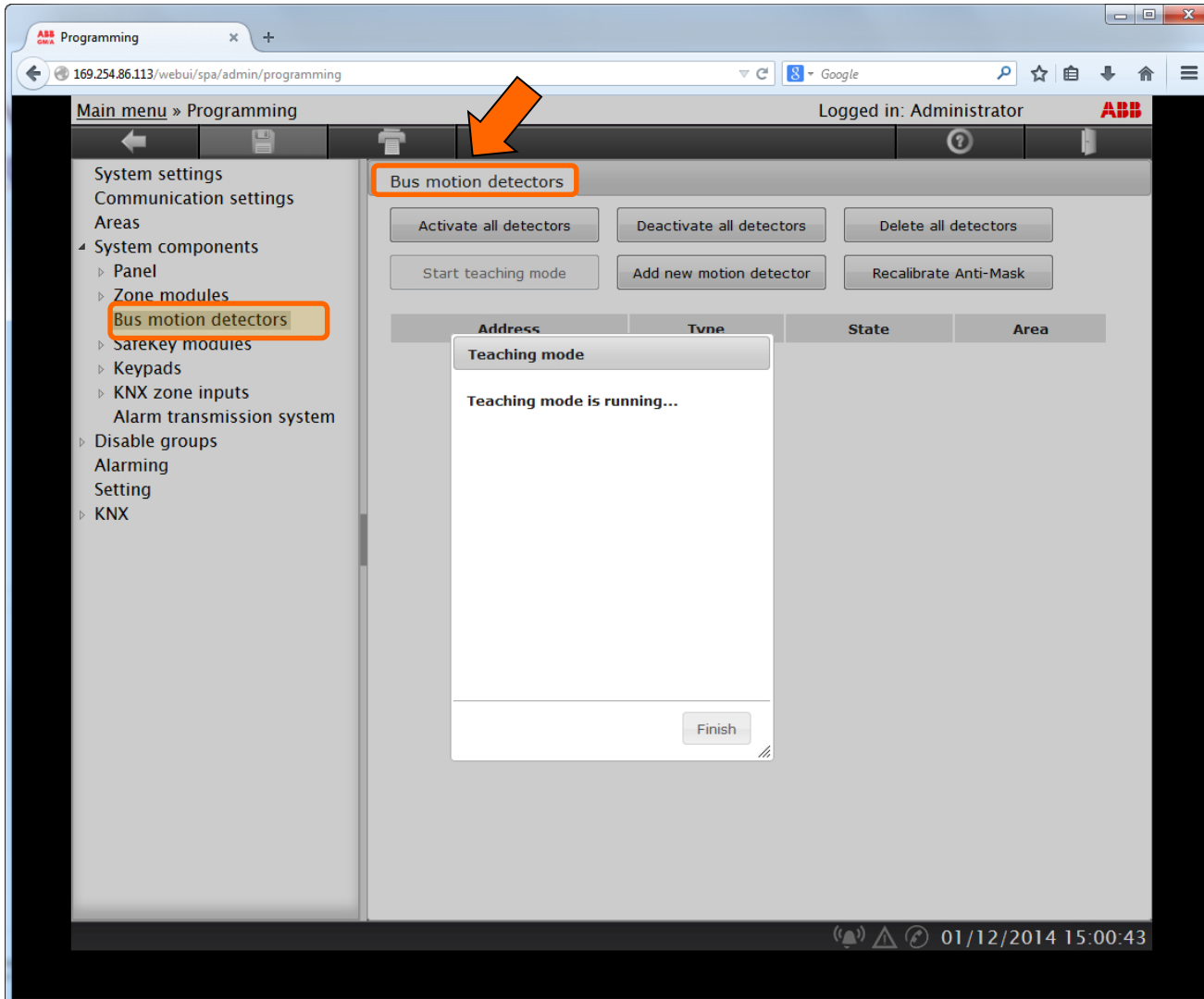
Address	Type	State	Area
---------	------	-------	------

max. 64 Bus motion detectors

01/12/2014 14:56:17

KNX Security Panel GM/A 8.1

Programming – System Components: Bus Motion Det.



The screenshot displays the ABB Programming web interface. The sidebar menu on the left shows the navigation structure, with 'Bus motion detectors' highlighted under 'System components'. The main content area features a top bar with 'Main menu » Programming' and 'Logged in: Administrator'. Below this, there are buttons for 'Activate all detectors', 'Deactivate all detectors', 'Delete all detectors', 'Start teaching mode', 'Add new motion detector', and 'Recalibrate Anti-Mask'. A table with columns 'Address', 'Type', 'State', and 'Area' is visible. A modal window titled 'Teaching mode' is open, displaying the message 'Teaching mode is running...' and a 'Finish' button. An orange arrow points to the 'Bus motion detectors' link in the sidebar.

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KNX Security Panel GM/A 8.1

Programming – System Components: Bus Motion Det.



Main menu » Programming Logged in: Administrator

System components

- System settings
- Communication settings
- Areas
- System components
 - Panel
 - Zone modules
 - Bus motion detectors**
 - Sarekey modules
 - Keypads
 - KNX zone inputs
 - Alarm transmission system
- Disable groups
- Alarming
- Setting
- KNX

Bus motion detectors

Activate all detectors Deactivate all detectors Delete all detectors

Start teaching mode Add new motion detector Recalibrate Anti-Mask

Address	Type	State	Area
Teaching mode			
Teaching mode is running...			
Detectors found:			
Address Type			
1	Infrared detector (IR/XC)		

Finish

KNX Security Panel GM/A 8.1

Programming – System Components: Bus Motion Det.



The screenshot shows the ABB Programming web interface. The left sidebar contains a 'Main menu' with 'Programming' selected. Under 'System components', 'Bus motion detectors' is highlighted. The main content area shows the 'Bus motion detectors' configuration page. An orange arrow points to the 'Bus motion detectors' tab. Below the tab are buttons for 'Activate all detectors', 'Deactivate all detectors', 'Delete all detectors', 'Start teaching mode', 'Add new motion detector', and 'Recalibrate Anti-Mask'. A table lists the installed detectors.

Address	Type	State	Area
1	Infrared detector (IR/XC)	Deactivated	Area 1

KNX Security Panel GM/A 8.1

Programming – System Components: Bus Motion Det.

The screenshot shows the web-based programming interface for the ABB GM/A 8.1. The browser address bar shows the URL 169.254.86.113/webui/spa/admin/programming. The page is titled 'Main menu » Programming' and shows the user is logged in as 'Administrator'. The left sidebar contains a tree view of system settings, with 'Bus motion detectors' expanded and 'Infrared detector (IR/XC): 1' selected. The main content area shows the configuration for this detector, with the 'General' tab active. The configuration includes fields for 'Text', 'Type' (Infrared detector (IR/XC)), 'Address' (1), 'Area assignment' (Area 1), and 'State' (Deactivated). There are buttons for 'Delete detector', 'Teach in', and 'Recalibrate Anti-Mask'. An orange arrow points to the 'General' tab, and an orange box highlights the selected item in the sidebar.

ABB GM/A 8.1 Programming

169.254.86.113/webui/spa/admin/programming

Main menu » Programming

Logged in: Administrator

System settings
Communication settings
Areas
System components
 Panel
 Zone modules
 Bus motion detectors
 Infrared detector (IR/XC): 1
 Sarekey modules
 Keypads
 KNX zone inputs
 Alarm transmission system
Disable groups
Alarming
Setting
KNX

General Parameters

Text:

Type: Infrared detector (IR/XC)

Address: 1

Area assignment: Area 1

State: Deactivated

01/12/2014 15:02:53

KNX Security Panel GM/A 8.1

Programming – System Components: Bus Motion Det.



The screenshot displays the ABB Programming web interface. The left sidebar shows the navigation menu with 'System components' expanded, and 'Bus motion detectors' selected. A red box highlights 'Infrared detector (IR/XC): 1'. The main content area shows the 'Parameters' tab for this detector. An orange arrow points to the 'Parameters' tab. The parameters are as follows:

Parameter	Value
Enable input:	<input checked="" type="checkbox"/>
Number:	BM_1
Area assignment:	1
Text:	
Input function:	Motion detector
Alarm behavior:	Normal
Alarm in unset state:	<input type="checkbox"/>
Disable group for unset state:	---
Alarm in internal set state:	<input type="checkbox"/>
Disable group for internal set state:	---
Alarm in external set state:	<input checked="" type="checkbox"/>
Disable group for external set state:	---
Show status via KNX:	<input type="checkbox"/>
Type of detection:	3 Pulse
Activate Alarm Memory (red LED):	<input checked="" type="checkbox"/>
Anti mask:	<input type="checkbox"/>
High sensitivity for anti mask:	<input type="checkbox"/>
Range reduction (<15m):	<input checked="" type="checkbox"/>

KNX Security Panel GM/A 8.1

Programming – System Components: SafeKey Module



ABB Programming

169.254.86.113/webui/spa/admin/programming

Logged in: Administrator

Main menu » Programming

SafeKey modules

Activate all modules Deactivate all modules Delete all modules

Start scan mode Add new module

Address	State	Area
---------	-------	------

max. 8 SafeKey modules

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01/12/2014 15:06:06

KNX Security Panel GM/A 8.1

Programming – System Components: SafeKey Module



ABB Programming

169.254.86.113/webui/spa/admin/programming

Logged in: Administrator

Main menu » Programming

System settings
Communication settings
Areas
System components
‣ Panel
‣ Zone modules
‣ Bus motion detectors
‣ **SafeKey modules**
‣ Keypads
‣ KNX zone inputs
‣ Alarm transmission system
‣ Disable groups
‣ Alarming
‣ Setting
‣ KNX

SafeKey modules

Activate all modules Deactivate all modules Delete all modules

Start scan mode Add new module

Address	State	Area
Scan mode		
Scan mode is finished.		
Modules found:		
Address	Type	
1	SafeKey module (L240/BS)	

Ok

01/12/2014 15:06:15

KNX Security Panel GM/A 8.1

Programming – System Components: SafeKey Module



ABB Programming

169.254.86.113/webui/spa/admin/programming

Logged in: Administrator

Main menu » Programming

System settings
Communication settings
Areas
System components
 ▸ Panel
 ▸ Zone modules
 ▸ Bus motion detectors
 ▸ **SafeKey modules**
 SafeKey Module (L240/BS):
 1
 ▸ Keypads
 ▸ KNX zone inputs
 Alarm transmission system
 ▸ Disable groups
 Alarming
 Setting
 ▸ KNX

SafeKey modules

Activate all modules Deactivate all modules Delete all modules

Start scan mode Add new module

Address	State	Area
1	Deactivated	Area 1

01/12/2014 15:06:24

KNX Security Panel GM/A 8.1

Programming – System Components: SafeKey Module



ABB Programming

169.254.86.113/webui/spa/admin/programming

Logged in: Administrator

Main menu » Programming

System settings
Communication settings
Areas
System components

- Panel
- Zone modules
- Bus motion detectors
- SafeKey modules
 - SafeKey Module (L240/BS)
1
- Keypads
- KNX zone inputs
 - Alarm transmission system
- Disable groups
- Alarming
- Setting
- KNX

Module 1 General Input 1 Input 2

Text:

Address: 1

Area assignment: Area 1

State: Deactivated

Inputs:

No.	Type	State	Active
1	---	-	<input type="checkbox"/>
2	---	-	<input type="checkbox"/>

01/12/2014 15:06:31

KNX Security Panel GM/A 8.1

Programming – System Components: SafeKey Module



ABB Programming

169.254.86.113/webui/spa/admin/programming

Logged in: Administrator

Main menu » Programming

- System settings
- Communication settings
- Areas
- System components
 - Panel
 - Zone modules
 - Bus motion detectors
 - SafeKey modules
 - SafeKey Module (L240/BS) 1
 - Keypads
 - KNX zone inputs
 - Alarm transmission system
- Disable groups
- Alarming
- Setting
- KNX

Module 1 **General** Input 1 Input 2

Setting:	with key or code
Unsetting:	only with key
Type of setting/unsetting:	External setting/unsetting
Evaluation of tamper contact:	<input type="checkbox"/>

with key or code
only with key
with key and code

01/12/2014 15:06:37

KNX Security Panel GM/A 8.1

Programming – System Components: SafeKey Module



ABB Programming

169.254.86.113/webui/spa/admin/programming

Logged in: Administrator

Main menu » Programming

System settings
Communication settings
Areas
System components
 Panel
 Zone modules
 Bus motion detectors
 SafeKey modules
 SafeKey Module (L240/BS)
 1
 Keypads
 KNX zone inputs
 Alarm transmission system
 Disable groups
 Alarming
 Setting
 KNX

Module 1 General **Input 1*** Input 2

Enable input: ☒

Number: EDF_1_1

Area assignment: 1

Text:

Input function: Door contact

Type of monitoring: Contact with EOL resistor

Alarm behavior: Normal

Alarm in unset state: ☐

 Disable group for unset state: ---

Alarm in internal set state: ☒

 Disable group for internal set state: ---

Alarm in external set state: ☒

 Disable group for external set state: ---

Show status via KNX: ☐

01/12/2014 15:07:02

KNX Security Panel GM/A 8.1

Programming – System Components: SafeKey Module



ABB Programming

169.254.86.113/webui/spa/admin/programming

Logged in: Administrator

Main menu » Programming

- System settings
- Communication settings
- Areas
- System components
 - Panel
 - Zone modules
 - Bus motion detectors
 - SafeKey modules
 - SafeKey Module (L240/BS) 1
 - Keypads
 - KNX zone inputs
 - Alarm transmission system
 - Disable groups
 - Alarming
 - Setting
 - KNX

Module 1 | General | Input 1* | **Input 2***

Enable input:	<input checked="" type="checkbox"/>
Number:	EDF_1_2
Area assignment:	1
Text:	
Input function:	Door lock monitoring
Type of monitoring:	N/C contact
Disable group for internal set state:	---
Disable group for external set state:	---
Setting prevention: Internal setting:	<input checked="" type="checkbox"/>
Setting prevention: External setting:	<input checked="" type="checkbox"/>
Show status via KNX:	<input type="checkbox"/>
Evaluation of electromechanical bolt lock:	<input checked="" type="checkbox"/>

01/12/2014 15:07:16

KNX Security Panel GM/A 8.1

Programming – System Components: Keypads

A screenshot of the ABB Programming web interface. The browser address bar shows '169.254.86.113/webui/spa/admin/programming'. The page is titled 'Main menu » Programming' and shows 'Logged in: Administrator'. The left sidebar contains a tree view of system settings, with 'Keypads' highlighted under 'System components'. The main content area has a header 'Keypads' with an orange arrow pointing to it. Below the header are four buttons: 'Activate all keypads', 'Deactivate all keypads', 'Delete all keypads', and 'Add new keypad'. There is also a 'Start scan mode' button. Below these buttons is a table with columns 'Address', 'State', and 'Area'.

Address	State	Area
---------	-------	------

max. 5 Keypads

KNX Security Panel GM/A 8.1

Programming – System Components: Keypads



The screenshot shows the ABB Programming web interface. The browser address bar displays `169.254.86.113/webui/spa/admin/programming`. The page title is "Main menu » Programming". The user is logged in as "Administrator". The left sidebar menu includes "System settings", "Communication settings", "Areas", "System components", "Panel", "Zone modules", "Bus motion detectors", "SafeKey modules", "Keypads" (highlighted with an orange box), "KNX zone inputs", "Alarm transmission system", "Disable groups", "Alarming", "Setting", and "KNX". The main content area is titled "Keypads" (also highlighted with an orange box and pointed to by an orange arrow). It contains buttons for "Activate all keypads", "Deactivate all keypads", "Delete all keypads", "Start scan mode", and "Add new keypad". Below these buttons is a table with columns "Address", "State", and "Area". A modal dialog box titled "Scan mode" is open, displaying the message "Scan mode is finished. Modules found:" followed by a table:

Address	Type
1	Keypad (BT/A 1.1)

Below the table, it states "Only addresses 1..5 are scanned." and has an "Ok" button.

At the bottom of the interface, there is a status bar showing the date and time: "01/12/2014 15:09:41".

KNX Security Panel GM/A 8.1

Programming – System Components: Keypads

A screenshot of the ABB Programming web interface. The browser address bar shows '169.254.86.113/webui/spa/admin/programming'. The page title is 'Main menu » Programming'. The user is logged in as 'Administrator'. The left sidebar menu shows 'System components' expanded, with 'Keypads' highlighted. An orange arrow points to the 'Keypads' link in the sidebar. The main content area has a 'Keypads' header with three buttons: 'Activate all keypads', 'Deactivate all keypads', and 'Delete all keypads'. Below these are 'Start scan mode' and 'Add new keypad' buttons. A table displays the current keypad configuration:

Address	State	Area
1	Deactivated	1

At the bottom of the sidebar, under 'Keypads', it lists 'Keypad (BT/A 1.1): 1'. The bottom status bar shows the date and time '01/12/2014 15:09:49'.

KNX Security Panel GM/A 8.1

Programming – System Components: Keypads



A screenshot of the ABB Programming web interface. The browser address bar shows '169.254.86.113/webui/spa/admin/programming'. The page title is 'Main menu » Programming'. The user is logged in as 'Administrator'. The left sidebar contains a tree view of system settings, with 'Keypads' expanded and 'Keypad (BT/A 1.1): 1' selected. The main content area shows the configuration for 'Keypad 1'. An orange arrow points to the 'Keypad 1' tab. The configuration fields include 'Text' (Keypad 1), 'Address' (1), 'Area assignment' (Area 1), and 'State' (Deactivated). There is an 'Activate' button and a 'Delete keypad' button. The bottom status bar shows the date and time: '01/12/2014 15:10:04'.

KNX Security Panel GM/A 8.1

Programming – System Components: Keypads



ABB Programming

169.254.86.113/webui/spa/admin/programming

Main menu » Programming

Logged in: Administrator

System settings
Communication settings
Areas
System components
 Panel
 Zone modules
 Bus motion detectors
 SafeKey modules
 Keypads
 Keypad (BT/A 1.1): 1
 KNX zone inputs
 Alarm transmission system
 Disable groups
 Alarming
 Setting
 KNX

Keypad 1 Parameters

Language: English

Function keys

		Without entering PIN
Switch off signalling devices	Buzzer	<input checked="" type="checkbox"/>
Setting	Internal setting	<input checked="" type="checkbox"/>
Unsetting	Internal unsetting	<input checked="" type="checkbox"/>
Reset	Reset	<input checked="" type="checkbox"/>

Multifunction keys

Key 1	Triggered detectors	<input checked="" type="checkbox"/>
Key 2	Disable groups	<input checked="" type="checkbox"/>
Key 3	No function	<input type="checkbox"/>
Key 4	No function	<input type="checkbox"/>

Activate key illumination ☒

No function
Buzzer
All acoustic signalling devices

KNX Security Panel GM/A 8.1

Programming – System Components: Keypads



ABB Programming

169.254.86.113/webui/spa/admin/programming

Main menu » Programming

Logged in: Administrator

System settings
Communication settings
Areas
System components
 Panel
 Zone modules
 Bus motion detectors
 SafeKey modules
 Keypads
 Keypad (BT/A 1.1): 1
 KNX zone inputs
 Alarm transmission system
 Disable groups
 Alarming
 Setting
 KNX

Keypad 1 Parameters

Language: English

Function keys

		Without entering PIN
Switch off signalling devices	Buzzer	<input checked="" type="checkbox"/>
Setting	Internal setting	<input checked="" type="checkbox"/>
Unsetting	Internal unsetting	<input checked="" type="checkbox"/>
Reset	Reset	<input checked="" type="checkbox"/>

Multifunction keys

Key 1	Triggered detectors	<input checked="" type="checkbox"/>
Key 2	Disable groups	<input checked="" type="checkbox"/>
Key 3	No function	<input type="checkbox"/>
Key 4	No function	<input type="checkbox"/>

Activate key illumination ☒

No function
Internal setting
External setting
Delayed external setting

01/12/2014 15:10:19

KNX Security Panel GM/A 8.1

Programming – System Components: Keypads



ABB Programming

169.254.86.113/webui/spa/admin/programming

Main menu » Programming

Logged in: Administrator

System settings

Communication settings

Areas

System components

- Panel
- Zone modules
- Bus motion detectors
- SafeKey modules
- Keypads
 - Keypad (BT/A 1.1): 1**
 - KNX zone inputs
 - Alarm transmission system
- Disable groups
- Alarming
- Setting
- KNX

Keypad 1 Parameters

Language: English

Function keys

Function keys	Without entering PIN
Switch off signalling devices	Buzzer <input checked="" type="checkbox"/>
Setting	Internal setting <input checked="" type="checkbox"/>
Unsetting	Internal unsetting <input checked="" type="checkbox"/>
Reset	Reset <input checked="" type="checkbox"/>

Multifunction keys

Key 1	Triggered detectors <input checked="" type="checkbox"/>
Key 2	Disable groups <input checked="" type="checkbox"/>
Key 3	No function <input type="checkbox"/>
Key 4	No function <input type="checkbox"/>

Activate key illumination ☒

No function
Internal unsetting
External unsetting

01/12/2014 15:10:19

KNX Security Panel GM/A 8.1

Programming – System Components: Keypads



ABB Programming

169.254.86.113/webui/spa/admin/programming

Main menu » Programming

Logged in: Administrator

System settings
Communication settings
Areas
System components
 Panel
 Zone modules
 Bus motion detectors
 SafeKey modules
 Keypads
 Keypad (BT/A 1.1): 1
 KNX zone inputs
 Alarm transmission system
 Disable groups
 Alarming
 Setting
 KNX

Keypad 1 Parameters

Language: English

Function keys

		Without entering PIN
Switch off signalling devices	Buzzer	<input checked="" type="checkbox"/>
Setting	Internal setting	<input checked="" type="checkbox"/>
Unsetting	Internal unsetting	<input checked="" type="checkbox"/>
Reset	Reset	<input checked="" type="checkbox"/>

Multifunction keys

Key 1	Triggered detectors	<input checked="" type="checkbox"/>
Key 2	Disable groups	<input checked="" type="checkbox"/>
Key 3	No function	<input type="checkbox"/>
Key 4	No function	<input type="checkbox"/>

Activate key illumination ☒

No function
Reset
Tamper reset

01/12/2014 15:10:19

KNX Security Panel GM/A 8.1

Programming – System Components: Keypads



ABB Programming

169.254.86.113/webui/spa/admin/programming

Main menu » Programming

Logged in: Administrator

System settings
Communication settings
Areas
System components
 Panel
 Zone modules
 Bus motion detectors
 SafeKey modules
 Keypads
 Keypad (BT/A 1.1): 1
 KNX zone inputs
 Alarm transmission system
 Disable groups
 Alarming
 Setting
 KNX

Keypad 1 Parameters

Language: English

Function keys

Function keys	Without entering PIN
Switch off signalling devices	Buzzer <input checked="" type="checkbox"/>
Setting	Internal setting <input checked="" type="checkbox"/>
Unsetting	Internal unsetting <input checked="" type="checkbox"/>
Reset	Reset <input checked="" type="checkbox"/>

Multifunction keys

Key 1	Triggered detectors <input checked="" type="checkbox"/>
Key 2	Disable groups <input checked="" type="checkbox"/>
Key 3	No function <input type="checkbox"/>
Key 4	No function <input type="checkbox"/>

Activate key illumination ☒

No function
Internal setting
Internal unsetting
External setting
Delayed external setting
External unsetting
Fire alarm
Emergency
Panic alarm
Hold-up alarm
Triggered detectors
Disable groups

KNX Security Panel GM/A 8.1

Programming – System Components: KNX Zone Inp.



The screenshot shows the ABB Programming web interface. The browser address bar displays `169.254.86.113/webui/spa/admin/programming`. The page is titled "Main menu » Programming" and shows the user is "Logged in: Administrator". The left sidebar contains a menu with the following items:

- System settings
- Communication settings
- Areas
- System components
 - Panel
 - Zone modules
 - Bus motion detectors
 - SafeKey modules
 - Keypads
 - KNX zone inputs**
 - Alarm transmission system
 - Disable groups
 - Alarming
 - Setting
 - KNX

The main content area is titled "KNX zone inputs" and features three buttons: "Activate all KNX zone inputs", "Deactivate all KNX Zone inputs", and "Delete all KNX Zone inputs". Below these buttons is a table with the following headers:

Address	Type	State	Area
---------	------	-------	------

An orange arrow points to the "KNX zone inputs" menu item in the sidebar. A text box on the right side of the slide states: "max. 128 KNX zone inputs".

KNX Security Panel GM/A 8.1

Programming – System Components: KNX Zone Inp.

A screenshot of the ABB Programming web interface. The browser address bar shows '169.254.86.113/webui/spa/admin/programming'. The page title is 'Main menu » Programming'. The user is logged in as 'Administrator'. The left sidebar shows a tree view of system settings, with 'KNX zone inputs' highlighted under 'System components'. The main content area is titled 'KNX zone inputs' and contains three buttons: 'Activate all KNX zone inputs', 'Deactivate all KNX Zone inputs', and 'Delete all KNX Zone inputs'. Below these is a button 'Add new KNX Zone input'. A table with columns 'Address', 'Type', 'State', and 'Area' is shown. At the bottom, there is a form titled 'Add new KNX zone input' with fields for 'Number' (set to 10), 'Start with address' (set to 1), and 'Area' (set to Area 1). There are 'Add' and 'Abort' buttons at the bottom of the form. An orange arrow points to the 'KNX zone inputs' link in the sidebar.

ABB Programming

169.254.86.113/webui/spa/admin/programming

Main menu » Programming

Logged in: Administrator

System settings

Communication settings

Areas

System components

- Panel
- Zone modules
- Bus motion detectors
- SafeKey modules
- Keypads
- KNX zone inputs**
- Alarm transmission system
- Disable groups
- Alarming
- Setting
- KNX

KNX zone inputs

Activate all KNX zone inputs

Deactivate all KNX Zone inputs

Delete all KNX Zone inputs

Add new KNX Zone input

Address	Type	State	Area
---------	------	-------	------

Add new KNX zone input

Number: 10

Start with address: 1

Area: Area 1

Add Abort

01/12/2014 15:52:22

KNX Security Panel GM/A 8.1

Programming – System Components: KNX Zone Inp.



ABB Programming

169.254.86.113/webui/spa/admin/programming

Main menu » Programming

Logged in: Administrator

System settings

Communication settings

Areas

System components

- Panel
- Zone modules
- Bus motion detectors
- SafeKey modules
- Keypads
- KNX zone inputs**

KNX Zone: 1

KNX Zone: 2

KNX Zone: 3

KNX Zone: 4

KNX Zone: 5

KNX Zone: 6

KNX Zone: 7

KNX Zone: 8

KNX Zone: 9

KNX Zone: 10

Alarm transmission system

Disable groups

Alarming

Setting

KNX

KNX zone inputs

Activate all KNX zone inputs

Deactivate all KNX Zone inputs

Delete all KNX Zone inputs

Add new KNX Zone input

Address	Type	State	Area
1	Magnetic contact	Deactivated	1
2	Magnetic contact	Deactivated	1
3	Magnetic contact	Deactivated	1
4	Magnetic contact	Deactivated	1
5	Magnetic contact	Deactivated	1
6	Magnetic contact	Deactivated	1
7	Magnetic contact	Deactivated	1
8	Magnetic contact	Deactivated	1
9	Magnetic contact	Deactivated	1
10	Magnetic contact	Deactivated	1

01/12/2014 15:52:33

KNX Security Panel GM/A 8.1

Programming – System Components: KNX Zone Inp.



max. 14 characters
Text will be taken as the
name of the ETS group
object !!!

424 Wind. washroom KNX zone 1

ABB Programming

169.254.216.134/webui/spa/admin/programming

Main menu » Programming

Logged in: Administrator

System settings
Communication settings
Areas
System components
Panel
Zone modules
Bus motion detectors
SafeKey modules
Keypads
KNX zone inputs
KNX Zone: 1
KNX Zone: 2
KNX Zone: 3
KNX Zone: 4
KNX Zone: 5
KNX Zone: 6
KNX Zone: 7
KNX Zone: 8
KNX Zone: 9
KNX Zone: 10
Alarm transmission system
Disable groups
Alarming
Setting
KNX

KNX zone input 1 Parameters

Text: Wind. washroom

Address: 1

Area assignment: Area 1

State: Deactivated Activate

Delete KNX zone input

01/12/2014 22:06:14

KNX Security Panel GM/A 8.1

Programming – System Components: KNX Zone Inp.



ABB Programming

169.254.86.113/webui/spa/admin/programming

Main menu » Programming

Logged in: Administrator

System settings
Communication settings
Areas
System components
‣ Panel
‣ Zone modules
‣ Bus motion detectors
‣ SafeKey modules
‣ Keypads
‣ KNX zone inputs
‣ **KNX Zone: 1**
‣ KNX Zone: 2
‣ KNX Zone: 3
‣ KNX Zone: 4
‣ KNX Zone: 5
‣ KNX Zone: 6
‣ KNX Zone: 7
‣ KNX Zone: 8
‣ KNX Zone: 9
‣ KNX Zone: 10
‣ Alarm transmission system
‣ Disable groups
‣ Alarming
‣ Setting
‣ KNX

KNX zone input 1 Parameters

Enable input:	<input checked="" type="checkbox"/>
Number:	KNX_1
Area assignment:	1
Input function:	Magnetic contact
Alarm behavior:	Normal
Alarm in unset state:	<input type="checkbox"/>
Disable group for unset state:	---
Alarm in internal set state:	<input checked="" type="checkbox"/>
Disable group for internal set state:	---
Alarm in external set state:	<input checked="" type="checkbox"/>
Disable group for external set state:	---
Cyclic monitoring:	<input type="checkbox"/>
KNX object number:	424

01/12/2014 15:52:56

KNX Security Panel GM/A 8.1

Programming – System Components: Activation

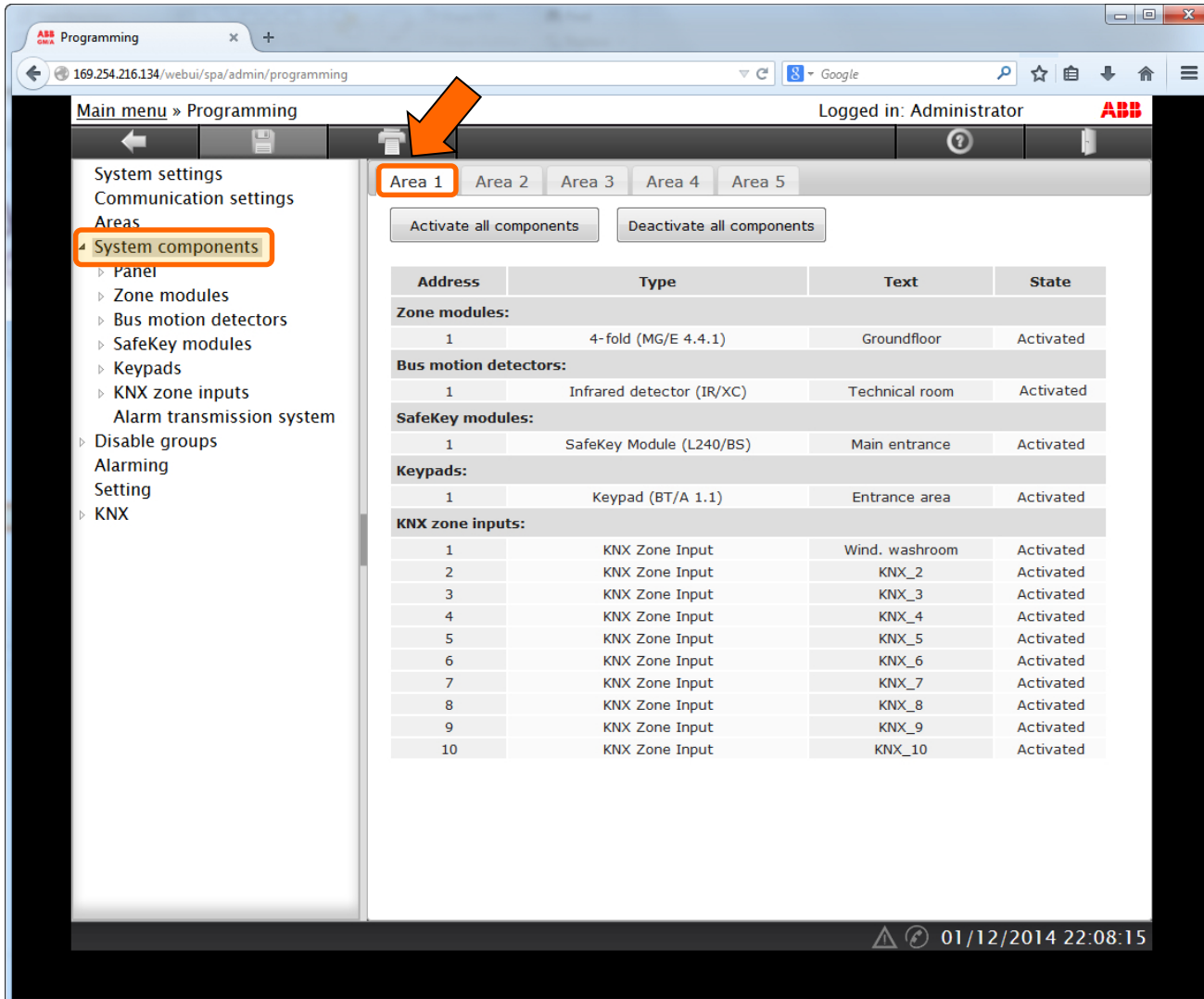


ABB Programming

169.254.216.134/webui/spa/admin/programming

Main menu » Programming

Logged in: Administrator

System settings
Communication settings
Areas
System components
Panel
Zone modules
Bus motion detectors
SafeKey modules
Keypads
KNX zone inputs
Alarm transmission system
Disable groups
Alarming
Setting
KNX

Area 1 Area 2 Area 3 Area 4 Area 5

Activate all components Deactivate all components

Address	Type	Text	State
Zone modules:			
1	4-fold (MG/E 4.4.1)	Groundfloor	Activated
Bus motion detectors:			
1	Infrared detector (IR/XC)	Technical room	Activated
SafeKey modules:			
1	SafeKey Module (L240/BS)	Main entrance	Activated
Keypads:			
1	Keypad (BT/A 1.1)	Entrance area	Activated
KNX zone inputs:			
1	KNX Zone Input	Wind. washroom	Activated
2	KNX Zone Input	KNX_2	Activated
3	KNX Zone Input	KNX_3	Activated
4	KNX Zone Input	KNX_4	Activated
5	KNX Zone Input	KNX_5	Activated
6	KNX Zone Input	KNX_6	Activated
7	KNX Zone Input	KNX_7	Activated
8	KNX Zone Input	KNX_8	Activated
9	KNX Zone Input	KNX_9	Activated
10	KNX Zone Input	KNX_10	Activated

01/12/2014 22:08:15

KNX Security Panel GM/A 8.1

Programming – Disable Groups

The image displays two overlapping screenshots of the ABB KNX Security Panel GM/A 8.1 web interface. The top screenshot shows the 'Programming' page, where the 'Disable Group' option is highlighted in the left-hand menu and the main content area. The bottom screenshot shows the 'Area 1' status page, where the 'Disable groups' button is highlighted in the central control panel. Both screenshots show the user is logged in as 'Administrator'.

Top Screenshot: Programming Page

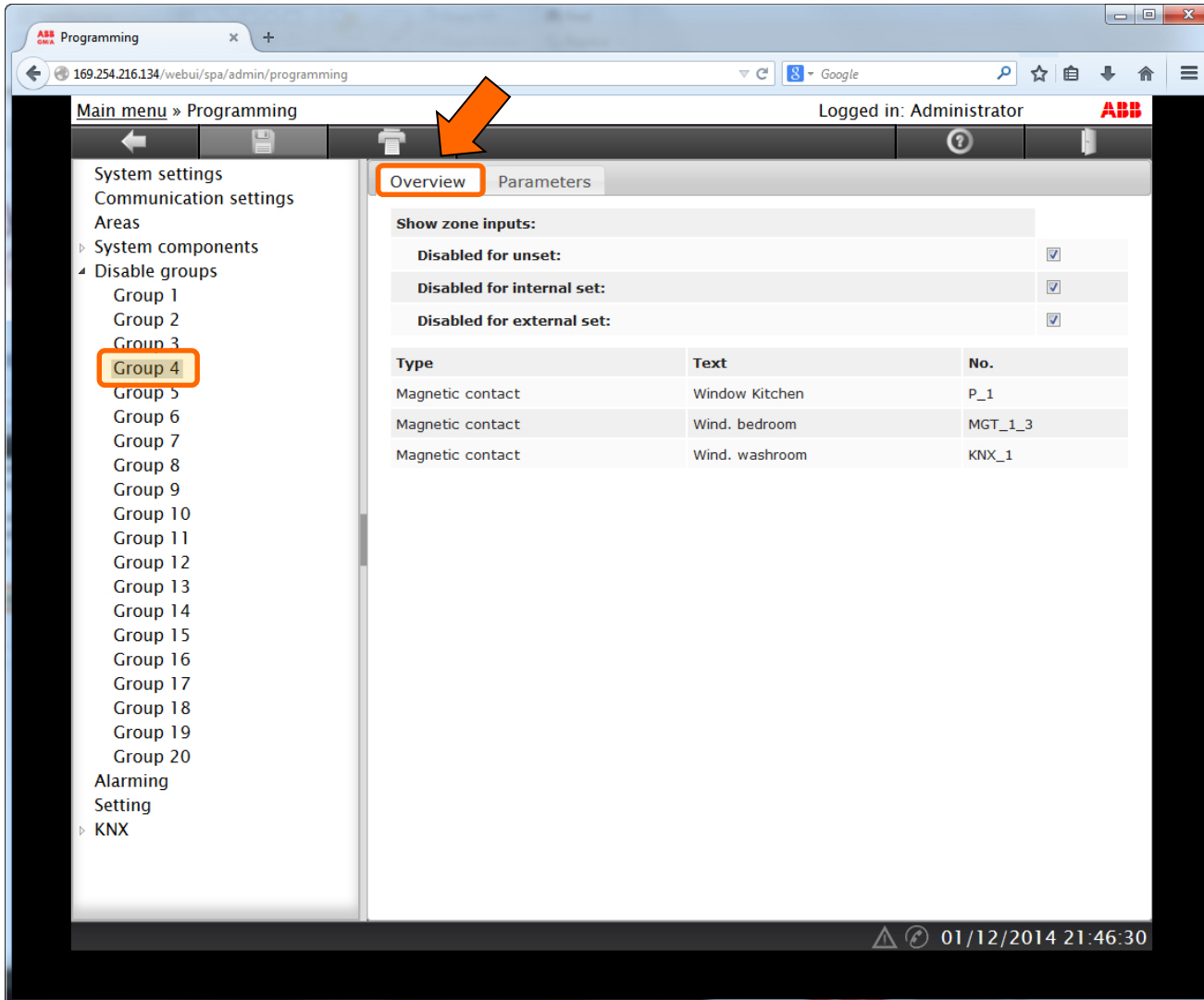
- Browser: 169.254.216.134/webui/spa/admin/programming
- Logged in: Administrator
- Menu: Main menu » Programming
- Left-hand menu: System settings, Communication settings, Areas, System components, **Disable groups** (highlighted), Group 1 to Group 20, Alarming, Setting, KNX.
- Main content area: **Disable Group** (highlighted), Select group from tree.

Bottom Screenshot: Area 1 Status Page

- Browser: 169.254.216.134/webui/spa/user/status/1
- Logged in: Administrator
- Menu: Main menu » Operation and status
- Area 1 Main building Alarm
- Buttons: Unset, View open zones, Internal set, **Disable groups** (highlighted), External set, Walk test, Switch off sirens, Disable SafeKey, Reset, Tamper reset.
- Area selection: All areas, **Area 1** (selected), Area 2, Area 3, Area 4, Area 5.
- Bottom row: Fire alarm, Emergency, Panic alarm.
- Timestamp: 01/12/2014 22:46:14

KNX Security Panel GM/A 8.1

Programming – Disable Groups



The screenshot shows the ABB Programming web interface. The left sidebar contains a 'Main menu' with the following structure:

- System settings
- Communication settings
- Areas
 - System components
 - Disable groups
 - Group 1
 - Group 2
 - Group 3
 - Group 4**
 - Group 5
 - Group 6
 - Group 7
 - Group 8
 - Group 9
 - Group 10
 - Group 11
 - Group 12
 - Group 13
 - Group 14
 - Group 15
 - Group 16
 - Group 17
 - Group 18
 - Group 19
 - Group 20
- Alarming
- Setting
- KNX

The main content area shows the 'Overview' tab for Group 4. An orange arrow points to the 'Overview' tab. The 'Parameters' tab is also visible. The 'Show zone inputs' section has three checkboxes, all of which are checked:

- Disabled for unset: ☒
- Disabled for internal set: ☒
- Disabled for external set: ☒

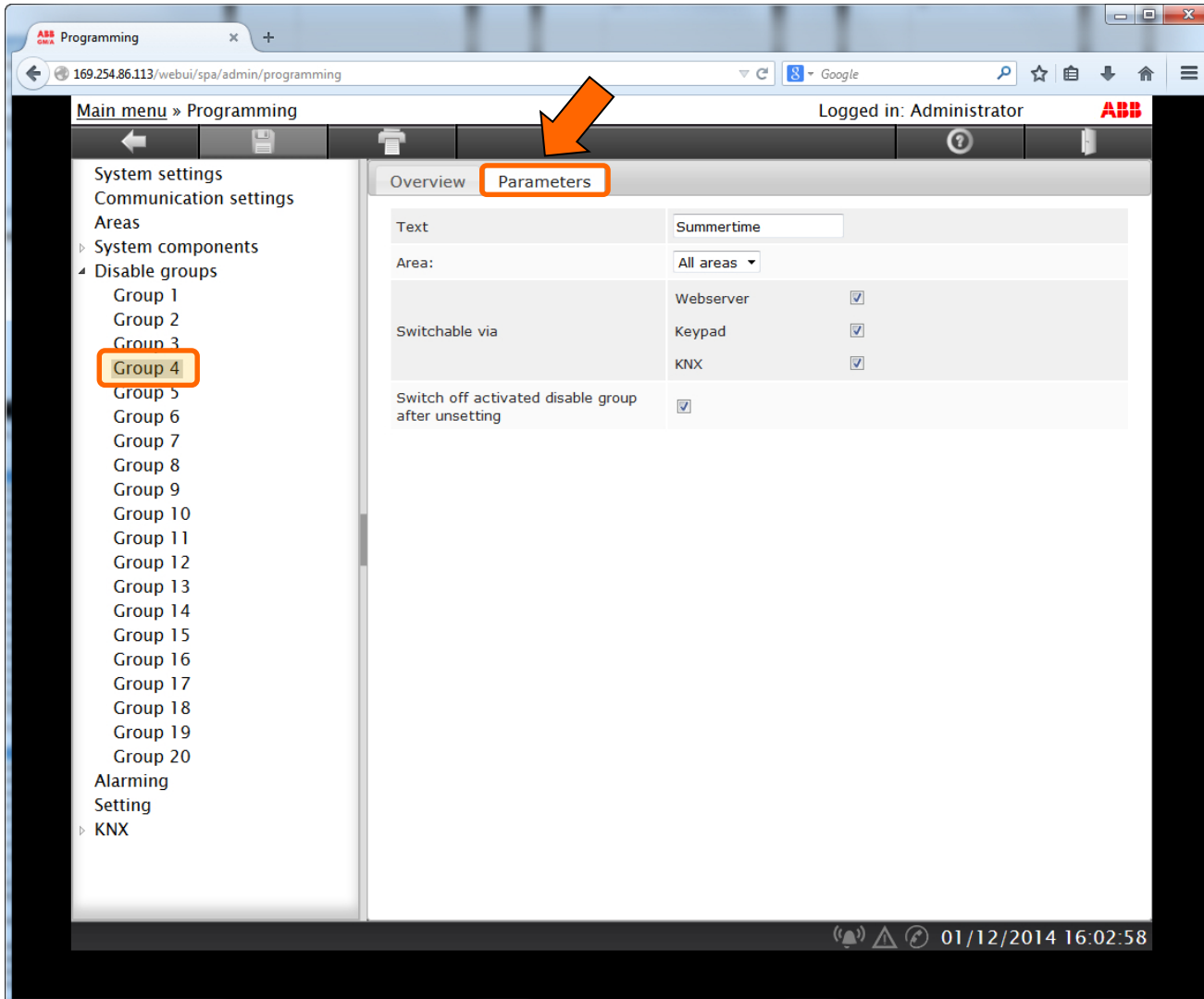
Below this is a table with three columns: Type, Text, and No.

Type	Text	No.
Magnetic contact	Window Kitchen	P_1
Magnetic contact	Wind. bedroom	MGT_1_3
Magnetic contact	Wind. washroom	KNX_1

The bottom status bar shows a warning icon, a refresh icon, and the timestamp '01/12/2014 21:46:30'.

KNX Security Panel GM/A 8.1

Programming – Disable Groups



The screenshot displays the ABB Programming web interface. The left sidebar shows the 'Main menu' with 'Programming' selected. Under 'Programming', 'Disable groups' is highlighted. The main content area shows the 'Parameters' tab selected, with an orange arrow pointing to it. The 'Parameters' tab displays the following settings:

Text	Value
Area:	Summertime
Area:	All areas
Switchable via	Webserver <input checked="" type="checkbox"/>
	Keypad <input checked="" type="checkbox"/>
	KNX <input checked="" type="checkbox"/>
Switch off activated disable group after unsetting	<input checked="" type="checkbox"/>

The status bar at the bottom indicates the date and time: 01/12/2014 16:02:58.

KNX Security Panel GM/A 8.1

Programming – Alarming

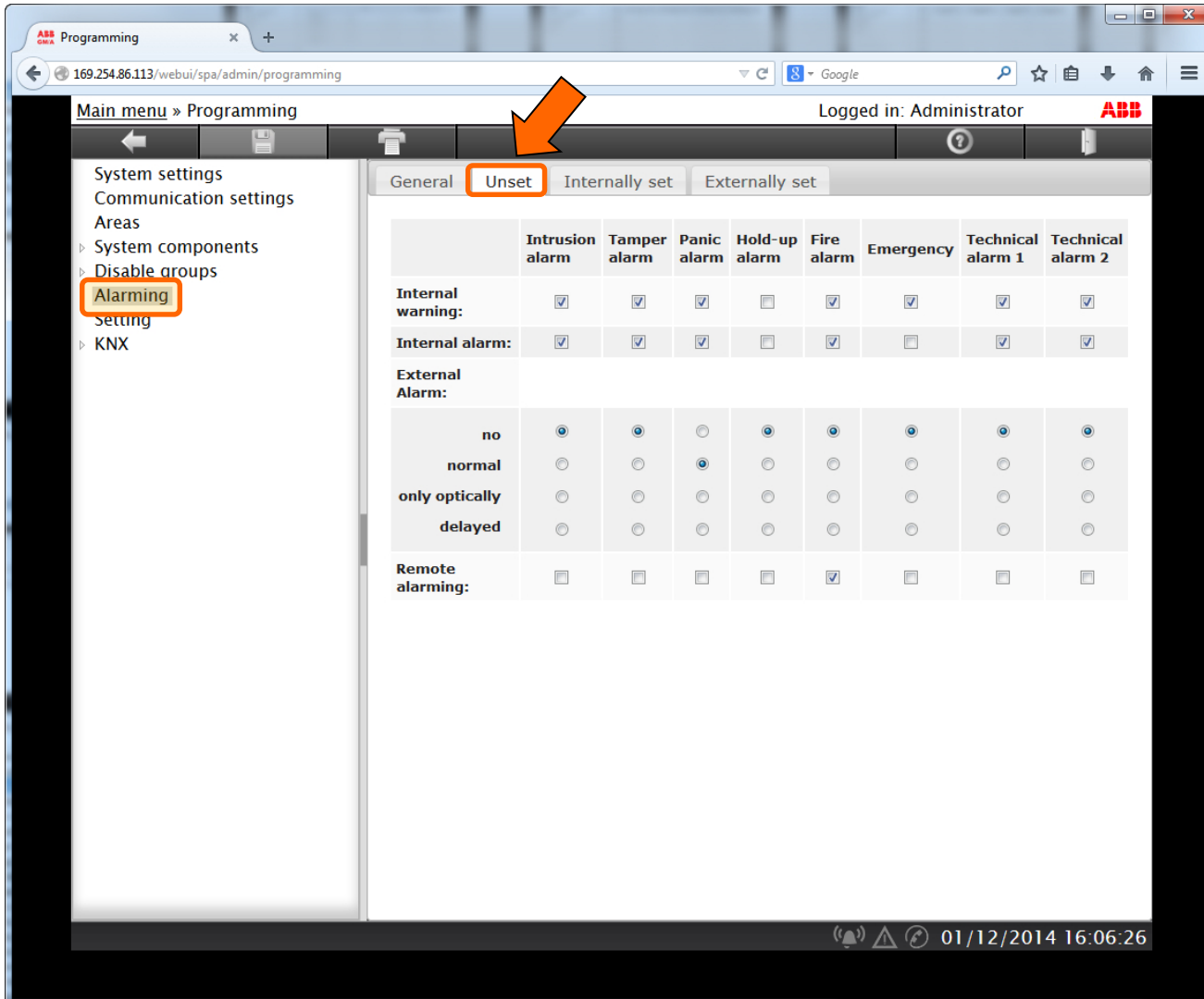
The screenshot displays the web-based programming interface for the ABB KNX Security Panel GM/A 8.1. The browser address bar shows the URL `169.254.86.113/webui/spa/admin/programming`. The user is logged in as Administrator. The left sidebar contains a navigation menu with the following items: System settings, Communication settings, Areas, System components, Disable groups, Alarming (highlighted with an orange box), Setting, and KNX. The main content area is titled 'General' (highlighted with an orange box and an orange arrow pointing to it) and includes tabs for 'Unset', 'Internally set', and 'Externally set'. The 'General' tab contains the following settings:

- Assignment internal siren (Panel):** A list of checkboxes for Area 1 through Area 5. Area 1 is checked.
- Activate line monitoring of external signalling devices:** ☐
- Activate case tamper:** ☐
- Activate back tamper:** ☐
- Activation time of external signalling devices (Siren 1 and 2) [s]:** 180
- Delay time for external signalling devices [s]:** 180
- Prealarm time [s]:** 3600
- External alarm occurs only after negative acknowledgement of the alarm transmission system (ATS):** ☐
- Trigger fire alarm via Web interface:** ☐
- Trigger emergency via Web interface:** ☐
- Trigger panic alarm via Web interface:** ☐

The bottom status bar shows the date and time: 01/12/2014 16:04:09.

KNX Security Panel GM/A 8.1

Programming – Alarming



The screenshot shows the ABB GM/A 8.1 Programming web interface. The browser address bar displays `169.254.86.113/webui/spa/admin/programming`. The user is logged in as Administrator. The left sidebar menu includes 'System settings', 'Communication settings', 'Areas', 'System components', 'Disable groups', 'Alarming' (highlighted), 'Setting', and 'KNX'. The main content area has tabs for 'General', 'Unset' (selected), 'Internally set', and 'Externally set'. An orange arrow points to the 'Unset' tab. Below the tabs is a table of alarm settings.

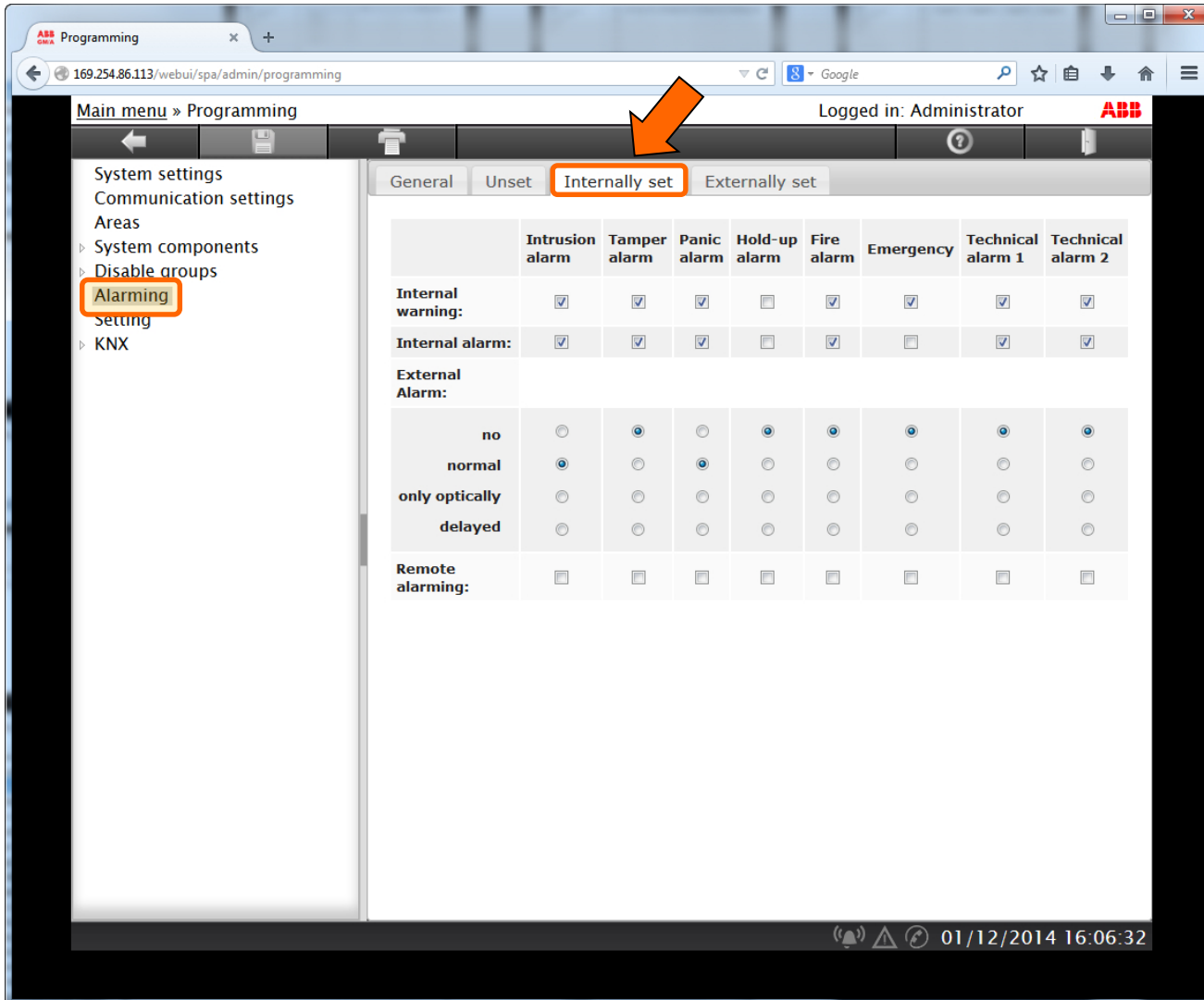
	Intrusion alarm	Tamper alarm	Panic alarm	Hold-up alarm	Fire alarm	Emergency	Technical alarm 1	Technical alarm 2
Internal warning:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Internal alarm:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
External Alarm:								
no	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
normal	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
only optically	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
delayed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Remote alarming:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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ABB

KNX Security Panel GM/A 8.1

Programming – Alarming

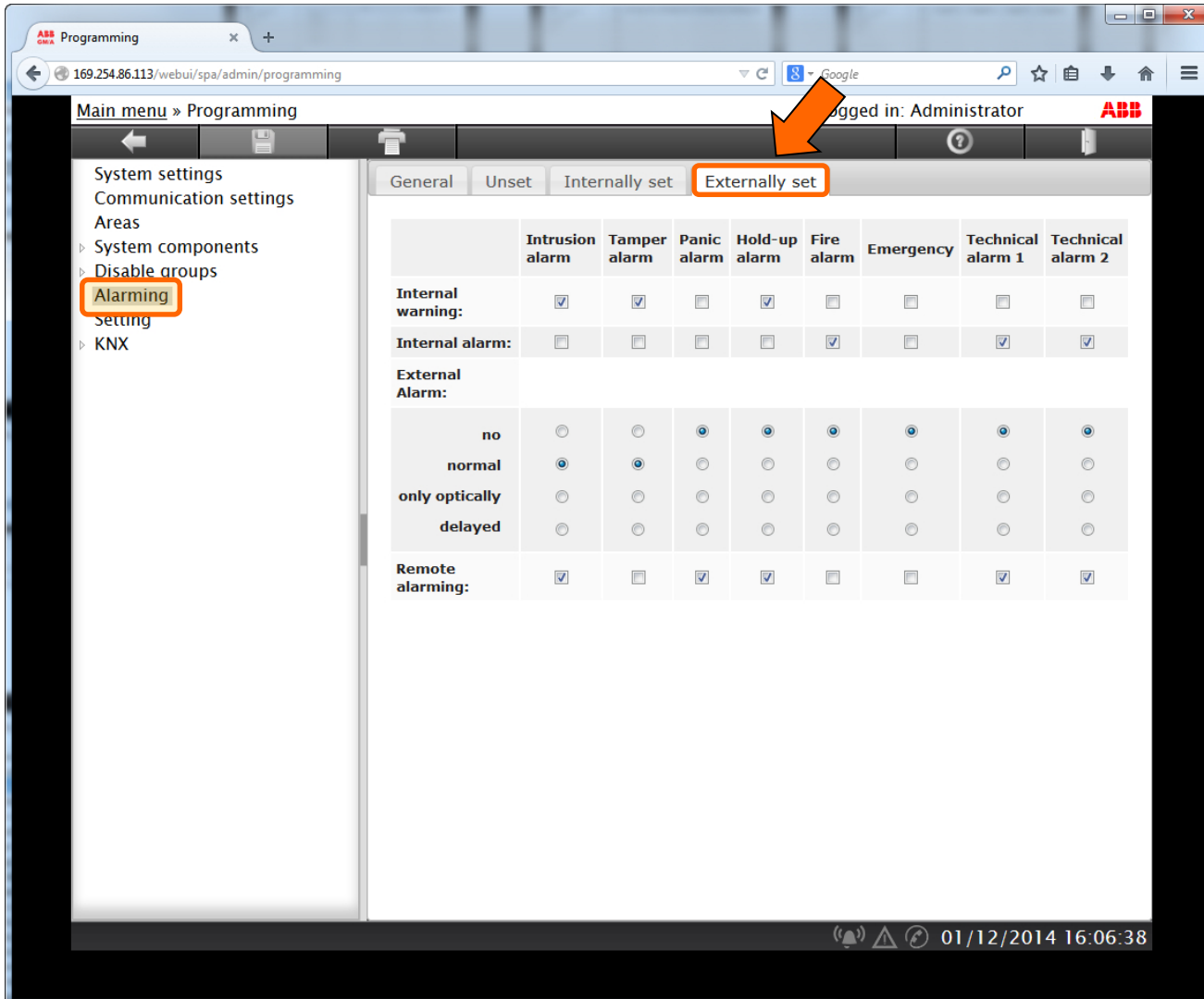


The screenshot shows the ABB KNX Security Panel GM/A 8.1 programming interface. The left sidebar contains a menu with the following items: System settings, Communication settings, Areas, System components, Disable groups, **Alarming** (highlighted), Setting, and KNX. The top navigation bar shows 'General', 'Unset', 'Internally set' (highlighted with an orange arrow), and 'Externally set'. The main area displays a table for configuring various alarm types.

	Intrusion alarm	Tamper alarm	Panic alarm	Hold-up alarm	Fire alarm	Emergency	Technical alarm 1	Technical alarm 2
Internal warning:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Internal alarm:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
External Alarm:								
no	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
normal	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
only optically	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
delayed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Remote alarming:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

KNX Security Panel GM/A 8.1

Programming – Alarming



The screenshot shows the ABB KNX Security Panel GM/A 8.1 programming interface. The left sidebar contains the following menu items: System settings, Communication settings, Areas, System components, Disable groups, **Alarming** (highlighted), Setting, and KNX. The top navigation bar shows the 'Externally set' tab is selected. The main area displays a table for configuring alarm settings.

	Intrusion alarm	Tamper alarm	Panic alarm	Hold-up alarm	Fire alarm	Emergency	Technical alarm 1	Technical alarm 2
Internal warning:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Internal alarm:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
External Alarm:								
no	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
normal	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
only optically	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
delayed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Remote alarming:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

KNX Security Panel GM/A 8.1

Programming – Setting

The screenshot displays the ABB Programming web interface in a browser window. The address bar shows the URL `169.254.86.113/webui/spa/admin/programming`. The page is titled "Main menu » Programming" and indicates the user is "Logged in: Administrator". The left sidebar contains a menu with the following items: "System settings", "Communication settings", "Areas", "System components", "Disable groups", "Alarming", "Setting" (highlighted with an orange box), and "KNX". An orange arrow points to the "Setting" option in the sidebar. The main content area is titled "Setting" and contains two sections: "Messages" and "Delayed Setting".

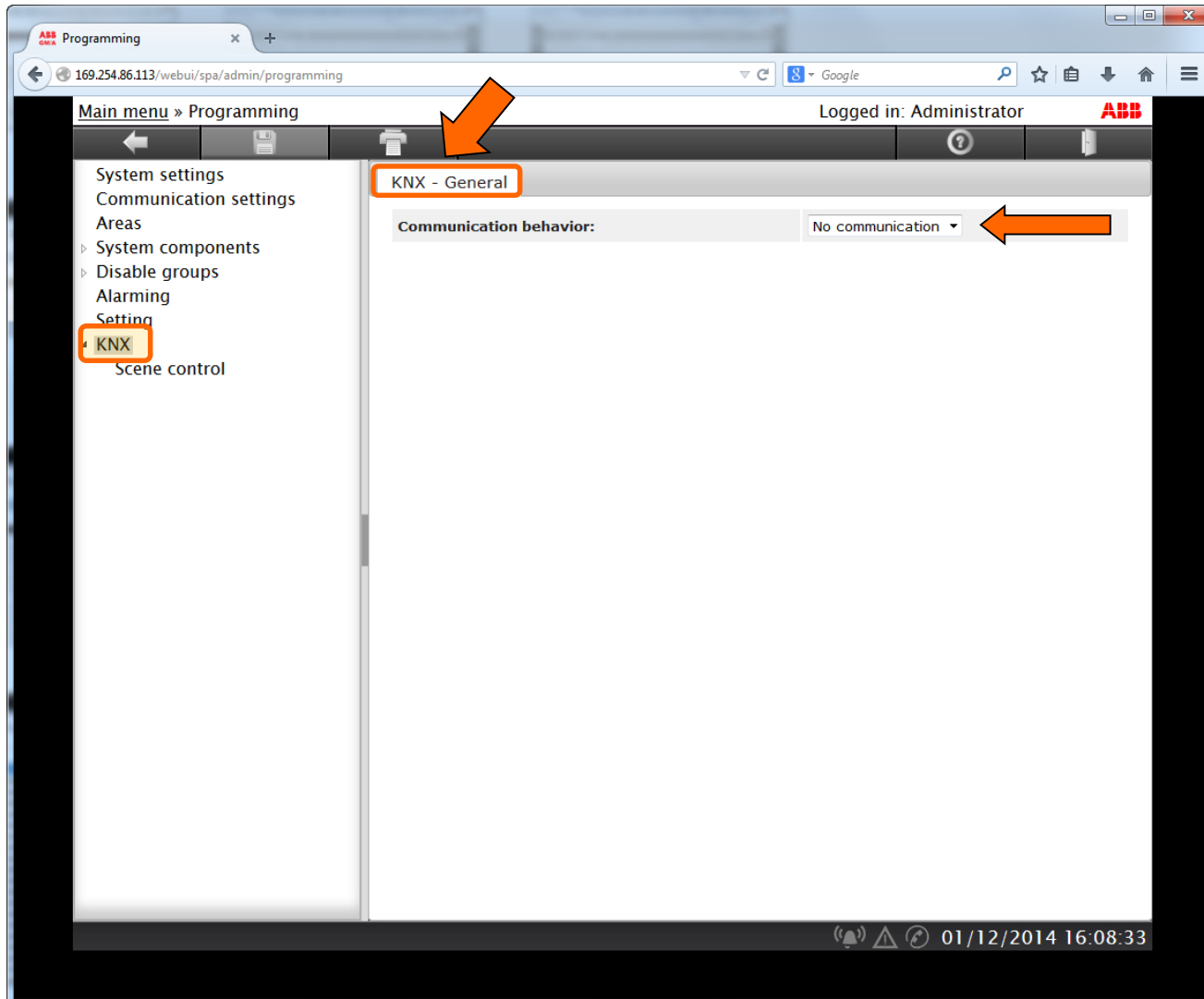
Messages	
Period of setting confirmation [s]:	3
Period of unsetting confirmation [s]:	3
Period of error during setting [s]:	3

Delayed Setting	
Setting delay time [s]:	60
Alarm delay time [s]:	60
Reaction of run-out of delay period:	After expiry of delay time
Start Alarm delay time by internally set:	<input type="checkbox"/>

The bottom status bar shows the date and time: 01/12/2014 16:07:38.

KNX Security Panel GM/A 8.1

Programming – KNX



KNX Security Panel GM/A 8.1

Programming – KNX: Max. 551 group objects!

Unidirectional:

- Status of GM/A can be completely transmitted to KNX, for each area separately (e.g. zones, set/unset, alarms, SafeKey)
- 14 Byte text messages
(System state, triggered zone inputs of each area)
- Scene control

Bidirectional additionally:

- Set/Unset the system (internally, externally, delayed)
- 128 KNX zone inputs (cyclical monitoring possible)
- Reset/Tamper reset
- Activate/Deactivate disable groups

KNX Security Panel GM/A 8.1

Programming – KNX

ABB Programming

169.254.86.113/webui/spa/admin/programming

Main menu » Programming

Logged in: Administrator

KNX - General*

System settings
Communication settings
Areas
System components
Disable groups
Alarming
Setting
KNX
Scene control

Communication behavior: Unidirectional

Sending alarm reports: ☐

Telegrams repeated every [10...3600 s]: 60

Send date and time: Send every minute

Evaluate ECU / KNX bus voltage failure via KNX Security Panel: No

Activate 14 Byte messages: ☐

Language: English

Change multiple messages automatically: ☒

Time interval for automatically change [s]: 10

Send every minute
Send every hour
Send every 24 hours

Deutsch
English

01/12/2014 16:08:49

KNX Security Panel GM/A 8.1

Programming – KNX

ABB Programming

169.254.86.113/webui/spa/admin/programming

Main menu » Programming

Logged in: Administrator

KNX - General

Communication behavior: Bidirectional

Sending alarm reports: ☐

Telegrams repeated every [10...3600 s]: 60

Send date and time: Send every minute

Evaluate ECU / KNX bus voltage failure via KNX Security Panel: No

Activate 14 Byte messages: ☐

Language: English

Change multiple messages automatically: ☐

Time interval for automatically change [s]: 10

Enable external setting/unsetting: ☐

Signals reset? ☐

Reset includes tamper reset: ☐

Period for cyclic monitoring [60...3600 s]: 300

Send every minute
Send every hour
Send every 24 hours

No
as fault
as tamper

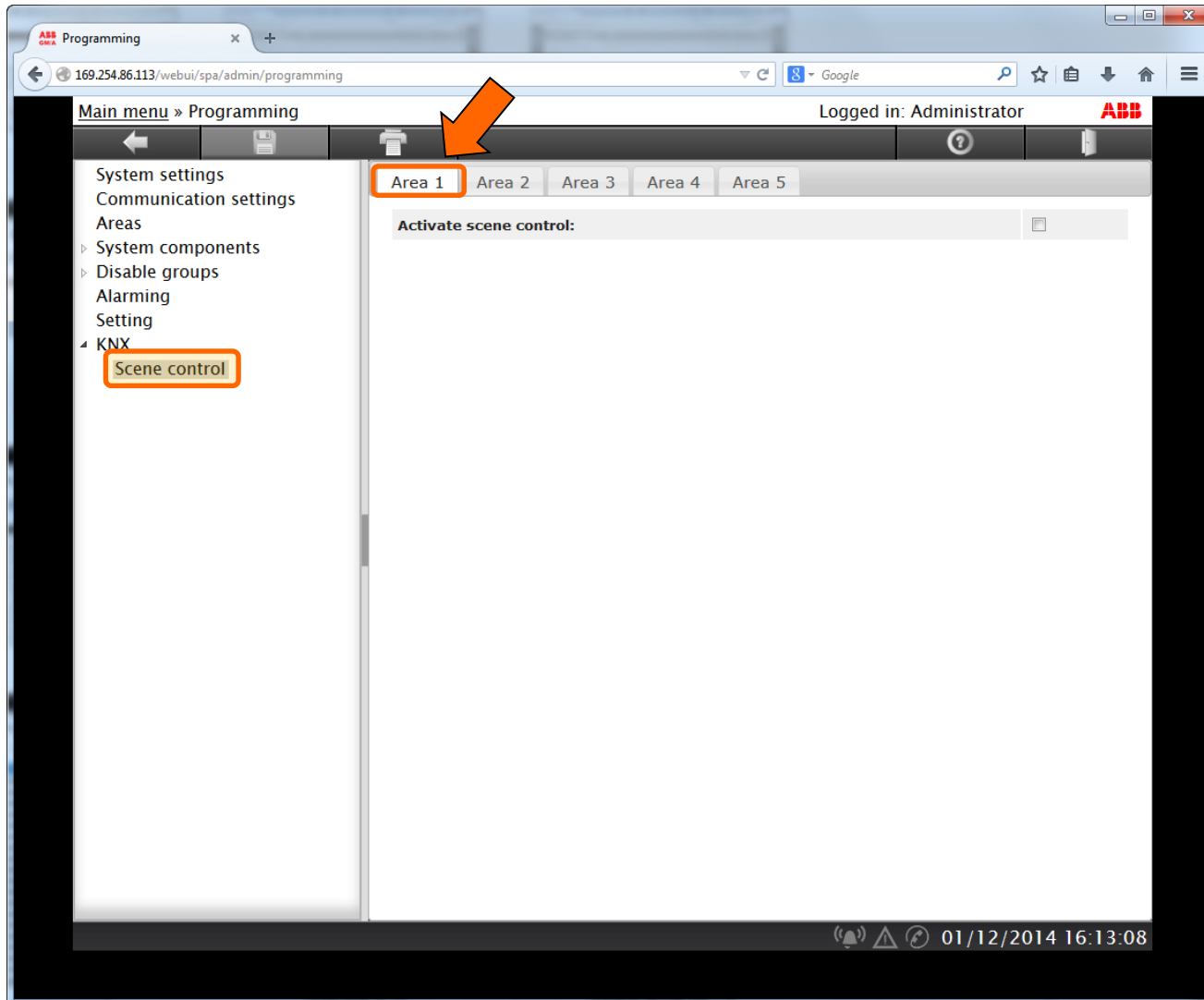
Deutsch
English

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KNX Security Panel GM/A 8.1

Programming – KNX Scene Control



KNX Security Panel GM/A 8.1

Programming – KNX Scene Control

The screenshot displays the ABB Programming web interface for the KNX Security Panel GM/A 8.1. The interface is divided into several sections:

- Top Bar:** Shows the ABB logo, the text "Logged in: Administrator", and a navigation bar with tabs for "Area 1", "Area 2", "Area 3", "Area 4", and "Area 5". An orange arrow points to the "Area 1" tab.
- Left Sidebar:** Contains a "Main menu" with the following items: "System settings", "Communication settings", "Areas", "System components", "Disable groups", "Alarming", "Setting", and "KNX". The "KNX" item is expanded, and "Scene control" is highlighted with an orange box.
- Main Content Area:** Displays a table of settings for "Area 1". The table has two columns: the setting name and a dropdown menu. The settings include:
 - Activate scene control: ☒
 - External setting: 7
 - Internal setting: 18
 - External unsetting: 46
 - Internal unsetting: No scene
 - Error during setting: No scene
 - Prealarm: No scene
 - Intrusion alarm: No scene
 - Hold-up alarm: No scene
 - Panic alarm: No scene
 - Emergency: No scene
 - Fire alarm: No scene
 - Technical alarm 1: No scene
 - Technical alarm 2: No scene
 - Tamper alarm: No scene
 - Fault: No scene
 - Tamper panel: No scene
 - Fault panel: No scene
- Dropdown Menu:** The "Prealarm" dropdown menu is open, showing a list of scene options. An orange arrow points to this menu. The options are:
 - Unset
 - Ready to set (externally)
 - Ready to set (internally)
 - Delayed ready to set (externally)
 - Internal set
 - External set
 - Internal or external set
 - Setting confirmation
 - Unsetting confirmation
 - Delay time
 - Alarm delay time
 - Error during setting
 - Reset
 - Tamper reset
 - Walktest
 - Internal warning
 - Internal siren
 - External sirens
 - External strobe
 - Fault

At the bottom of the interface, there is a status bar showing the date and time: "01/12/2014 16:13:43".

KNX Security Panel GM/A 8.1

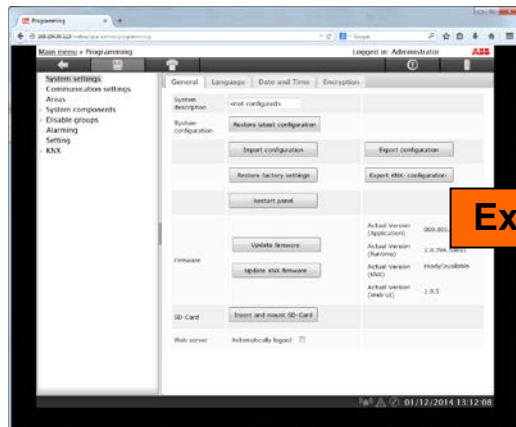
KNX and ETS



Export and Import of KNX Configuration

- Prior to the import of the KNX configuration it has to be exported via Web Interface of the KNX Security Panel
- After product added into ETS with right mouse click on the component a pop up menu will appear:

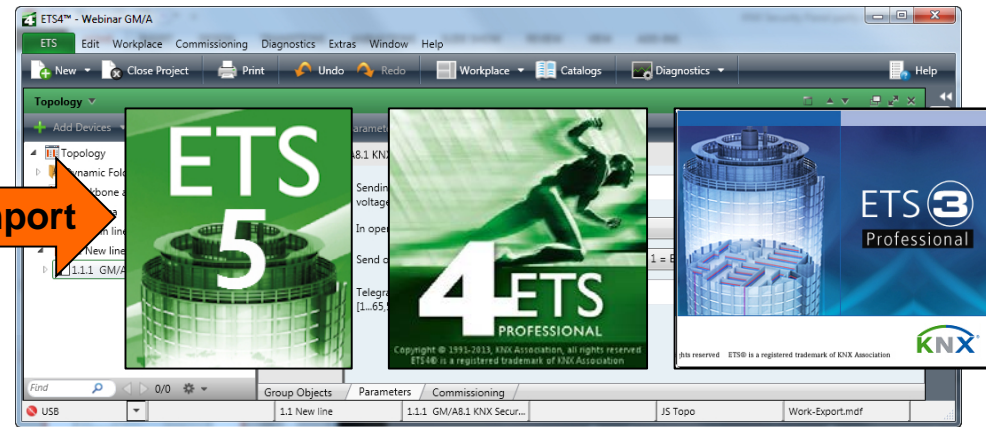
→ „Plug-In“ → „Import alarm panel configuration“



Export



Import



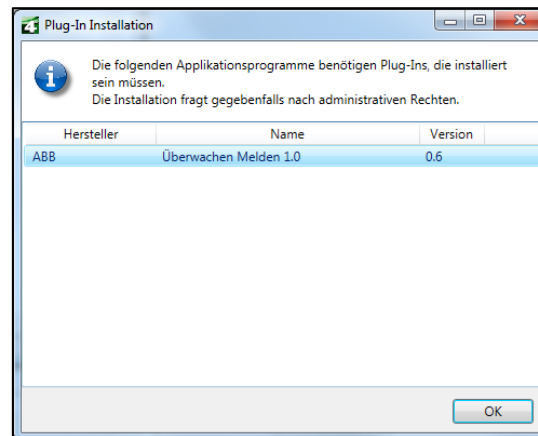
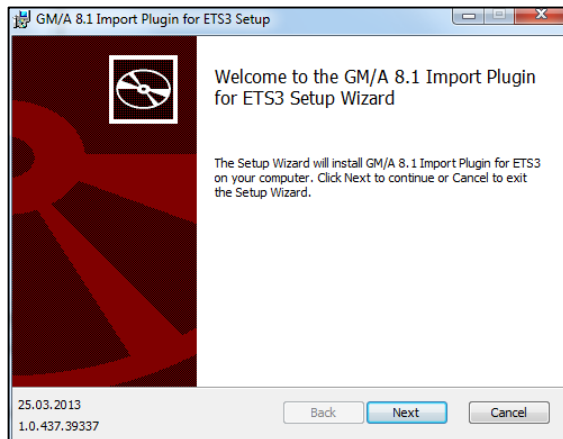
KNX Security Panel GM/A 8.1

KNX and ETS



ETS Plug-In (only the first time)

- ETS Plug-In is necessary to import the KNX configuration of the GM/A 8.1 into ETS
- Via Plug-In all required communication objects will be enabled
- During the initial import of the product in ETS a message „missing Plug-In“ comes up
- By confirming with OK the installation assistant of ETS Plug-In will be started and installation will be carried out



KNX Security Panel GM/A 8.1

Programming – System settings: Export KNX Config.

The screenshot shows the ABB Programming web interface. The browser address bar displays `169.254.86.113/webui/spa/admin/programming`. The page title is "Main menu » Programming" and the user is logged in as "Administrator". The "System settings" menu item is highlighted in the left sidebar. The "General" tab is selected, showing various configuration options. The "Export KNX-configuration" button is highlighted with an orange arrow.

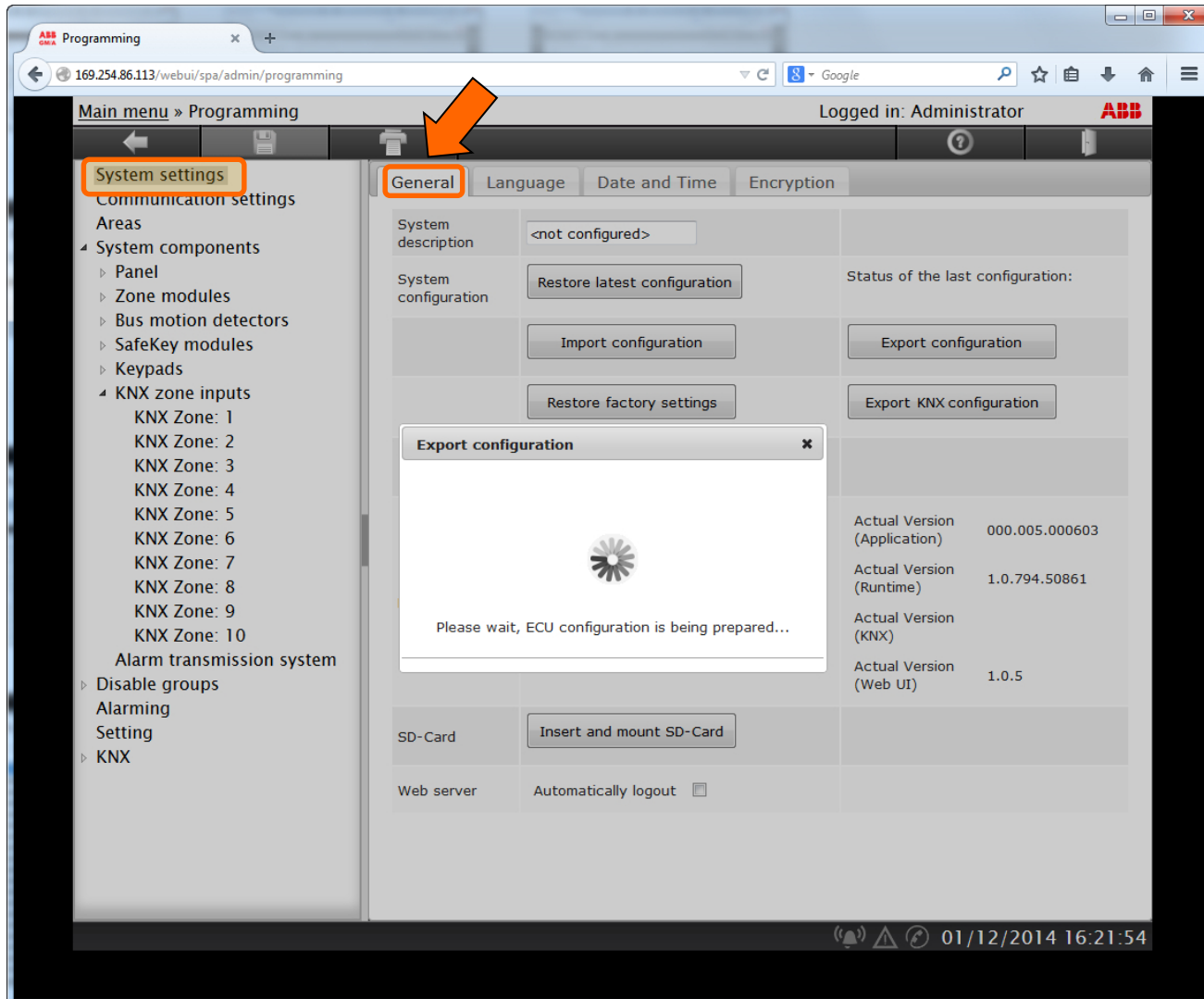
System description	<not configured>
System configuration	<button>Restore latest configuration</button>
	<button>Import configuration</button> <button>Export configuration</button>
	<button>Restore factory settings</button> <button>Export KNX-configuration</button>
	<button>Restart panel</button>
Firmware	<button>Update firmware</button> <button>Update KNX firmware</button>
SD-Card	<button>Insert and mount SD-Card</button>
Web server	Automatically logout <input type="checkbox"/>

Actual Version (Application) 000.005.000603
Actual Version (Runtime) 1.0.794.50861
Actual Version (KNX) ready/available
Actual Version (Web UI) 1.0.5



KNX Security Panel GM/A 8.1

Programming – System settings: Export KNX Config.



KNX Security Panel GM/A 8.1

Programming – System settings: Export KNX Config.

The screenshot displays the ABB Programming web interface. The browser address bar shows the URL `169.254.86.113/webui/spa/admin/programming`. The page is titled "Main menu » Programming" and indicates the user is "Logged in: Administrator".

In the left sidebar, the "System settings" menu item is highlighted with an orange box. Below it, the "General" tab is selected, also highlighted with an orange box. An orange arrow points to the "General" tab. The sidebar also lists "Communication settings" and "Areas".

The main content area shows the "General" configuration page. It includes fields for "System description" (set to "<not configured>") and "System" (with a "Restore latest configuration" button). A status message indicates "Status of the last configuration: No backup file". There are buttons for "Export configuration" and "Export KNX configuration".

A file download dialog is open in the foreground, titled "Opening ecu_configuration_not_configured.bin". It informs the user that they have chosen to open a BIN file (42,2 KB) from the URL `http://169.254.86.113`. The dialog asks "What should Firefox do with this file?" and offers three options: "Open with Internet Explorer (default)", "Save File" (selected), and "Do this automatically for files like this from now on." (unchecked). The "OK" button is highlighted with a mouse cursor.

At the bottom of the page, there is a status bar showing the date and time: "01/12/2014 16:22:49".

KNX Security Panel GM/A 8.1

Programming – System settings: Export KNX Config.

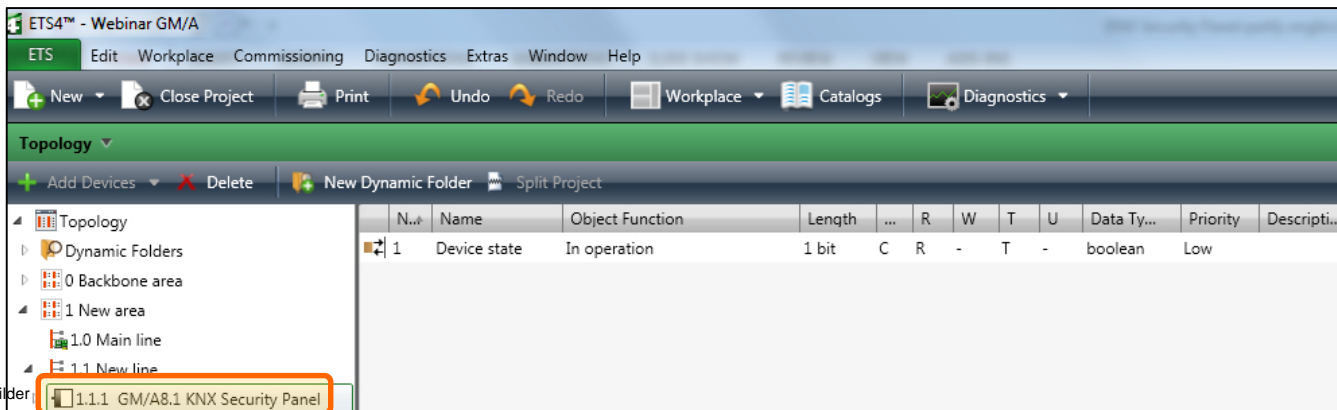
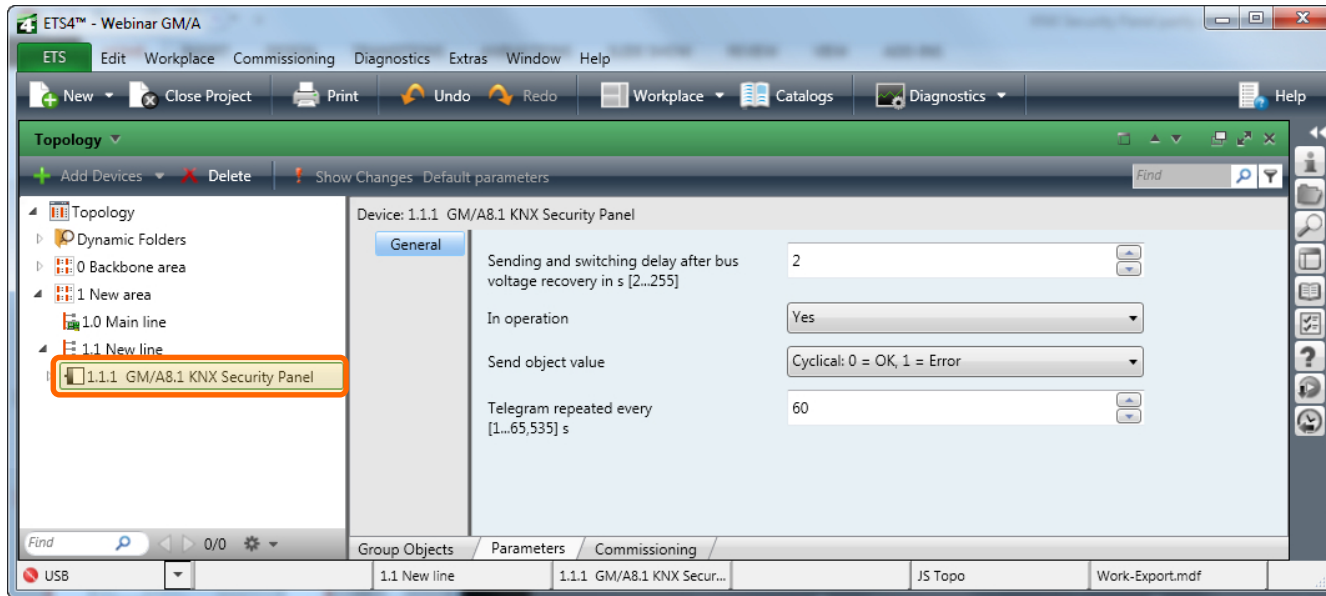
The screenshot displays the ABB Programming web interface in a browser window. The address bar shows the URL `169.254.86.113/webui/spa/admin/programming`. The user is logged in as Administrator. The left sidebar contains a 'Main menu' with 'Programming' selected, and a 'System settings' link highlighted with an orange box. Below this, a tree view shows 'System components' expanded, with 'KNX zone inputs' selected. The main content area has tabs for 'General', 'Language', 'Date and Time', and 'Encryption'. The 'General' tab is active, showing a 'System description' field with '<not configured>', a 'System' section with a 'Restore latest configuration' button, and a status message 'Status of the last configuration: No backup file'. An 'Export configuration' button is visible. A file save dialog is open, showing the file name 'ecu_configuration_gma_07.bin' and the save type '*.bin'. The dialog is set to save in the 'Downloads' folder. The bottom status bar shows the date and time '01/12/2014 16:22:49'.

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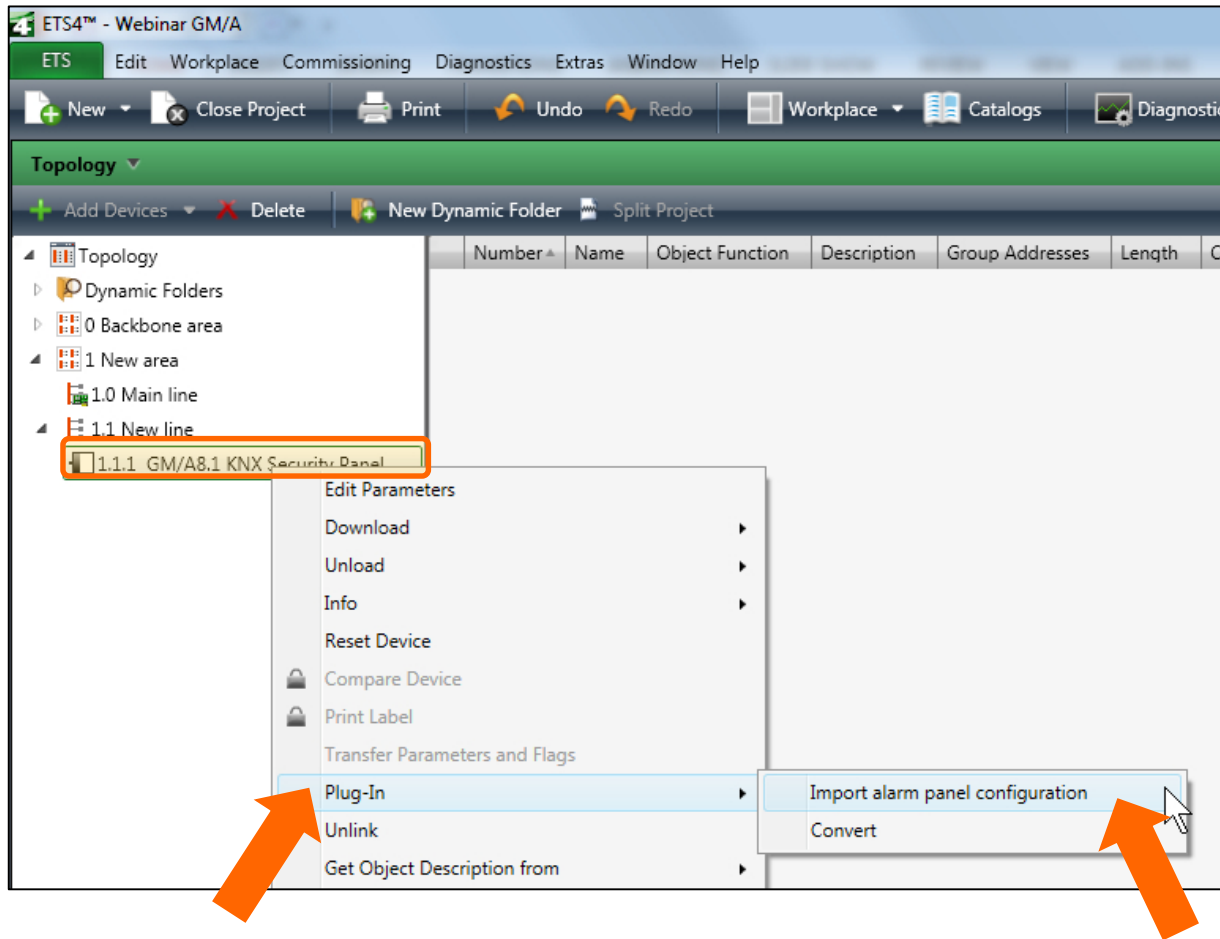
KNX Security Panel GM/A 8.1

KNX and ETS – Parameter



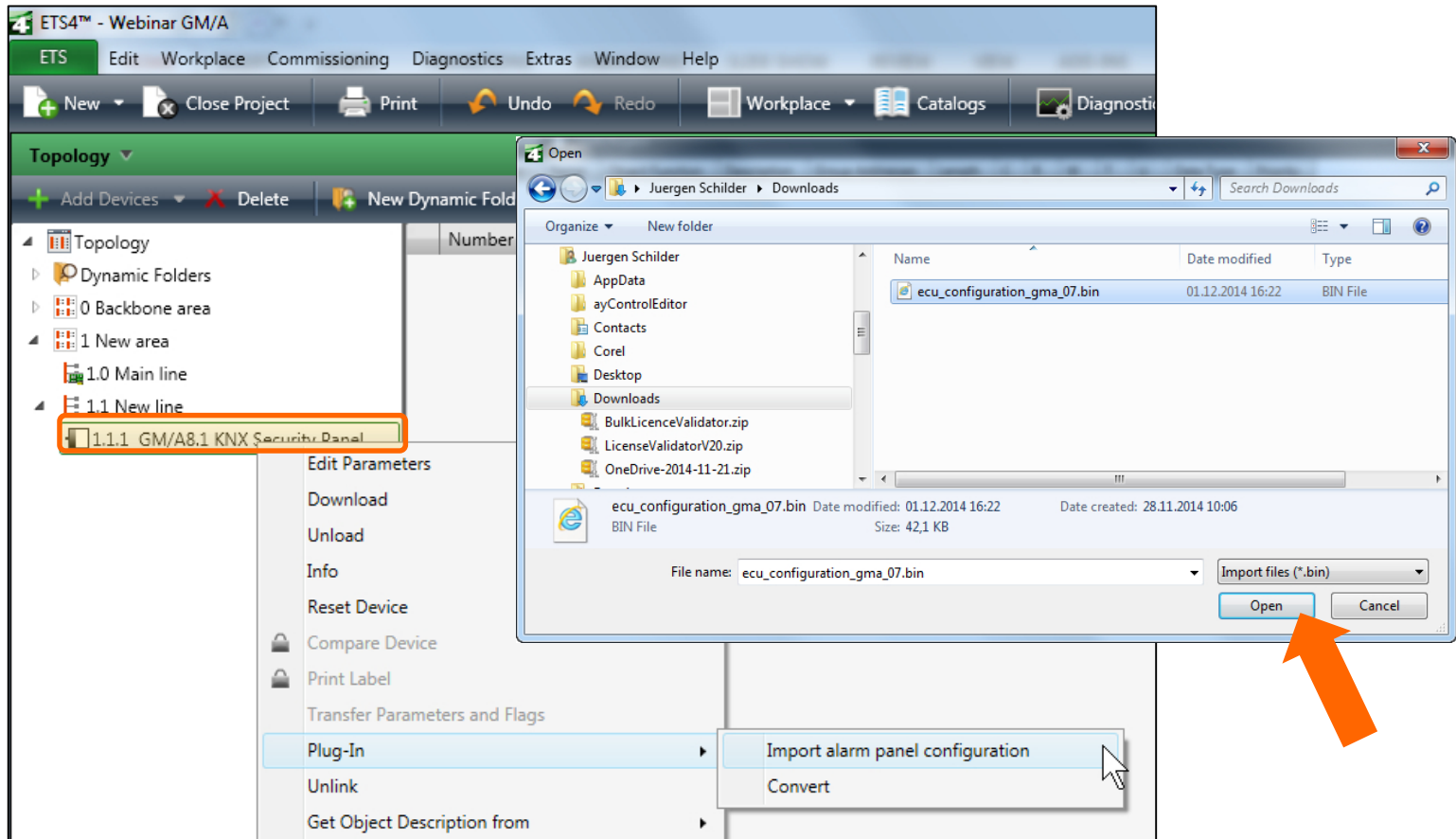
KNX Security Panel GM/A 8.1

KNX and ETS



KNX Security Panel GM/A 8.1

KNX and ETS



KNX Security Panel GM/A 8.1

KNX and ETS

ETS4™ - Webinar GM/A

ETS Edit Workplace Commissioning Diagnostics Extras Window Help

New Close Project Print Undo Redo Workplace Catalogs Diagnostics

Topology

Add Areas Delete New Dynamic Folder Split Project

	N...	Name	Object Function	Length	...	R	W	T	U	Data Ty...
Topology										
Dynamic Folders										
0 Backbone area										
1 New area										
1.0 Main line										
1.1 New line										
1.1.1 GM/A8.1 KNX Security...	2	Setting	Int. set, area 1	1 bit	C	-	W	-	-	switch
	7	Setting	Ext. set, area 1	1 bit	C	-	W	-	-	switch
	12	Setting	Setting delay, area 1	1 bit	C	-	W	-	-	switch
	17	General	Reset, area 1	1 bit	C	-	W	-	-	switch
	22	General	Walk test, area 1	1 bit	C	-	W	-	-	switch
	27	Setting	Status Internally set, area 1	1 bit	C	R	-	T	-	boolean
	32	Setting	Status Externally set, area 1	1 bit	C	R	-	T	-	boolean
	37	Setting	Status Int. or ext. set, ar. 1	1 bit	C	R	-	T	-	boolean
	42	Setting	Status Reset, area 1	1 bit	C	R	-	T	-	boolean
	47	Setting	Status Walk test, area 1	1 bit	C	R	-	T	-	boolean
	52	Setting	Ready to set intern., area 1	1 bit	C	R	-	T	-	boolean
	57	Setting	Ready to set extern., area 1	1 bit	C	R	-	T	-	boolean
	62	Setting	Ready to set delay, area 1	1 bit	C	R	-	T	-	boolean
	67	Setting	Delay time, area 1	1 bit	C	-	-	T	-	boolean
	72	Setting	Alarm delay, area 1	1 bit	C	-	-	T	-	boolean
	77	Setting	Setting prevention, area 1	1 bit	C	-	-	T	-	boolean

KNX Security Panel GM/A 8.1

KNX and ETS

ETS4™ - Webinar GM/A

ETS Edit Workplace Commissioning Diagnostics Extras Window Help

New Close Project Print Undo Redo Workplace Catalogs Diagnostics

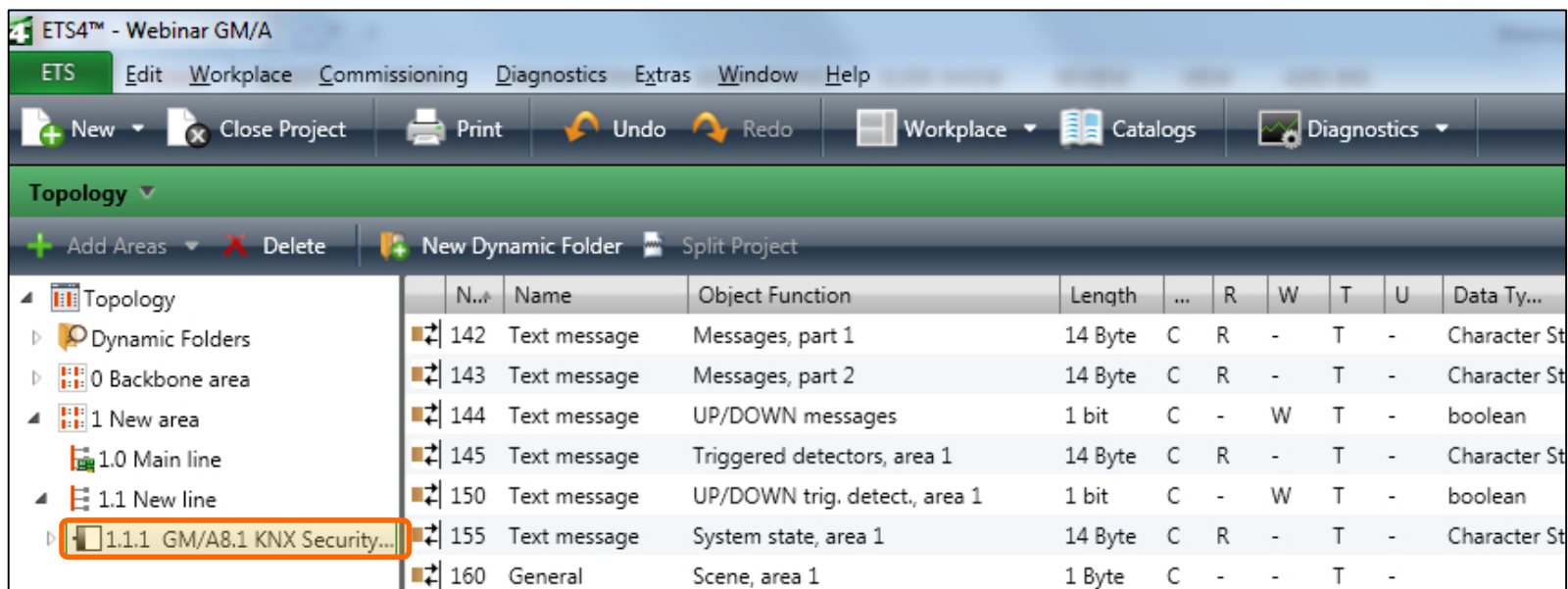
Topology

Add Areas Delete New Dynamic Folder Split Project

	N...	Name	Object Function	Length	...	R	W	T	U	Data Ty...
Topology										
Dynamic Folders										
0 Backbone area										
1 New area										
1.0 Main line										
1.1 New line										
1.1.1 GM/A8.1 KNX Security...	82	Alarming	Prealarm, area 1	1 bit	C	R	-	T	-	boolean
	87	Alarming	Intrusion alarm, area 1	1 bit	C	R	-	T	-	boolean
	92	Alarming	Tamper alarm	1 bit	C	R	-	T	-	boolean
	93	Alarming	Tampering alarm, area 1	1 bit	C	R	-	T	-	boolean
	98	Alarming	Holdup alarm, area 1	1 bit	C	R	-	T	-	boolean
	103	Alarming	Panic alarm, area 1	1 bit	C	R	-	T	-	boolean
	108	Alarming	Emergency call, area 1	1 bit	C	R	-	T	-	boolean
	113	Alarming	Fire alarm, area 1	1 bit	C	R	-	T	-	boolean
	118	Alarming	Technical alarm 1, area 1	1 bit	C	R	-	T	-	boolean
	123	Alarming	Technical alarm 2, area 1	1 bit	C	R	-	T	-	boolean
	128	Alarming	Common alarm	1 bit	C	R	-	T	-	boolean
	129	Alarming	System fault	1 bit	C	R	-	T	-	boolean
	130	Alarming	Fault, area 1	1 bit	C	R	-	T	-	boolean
	135	Alarming	Internal siren, area 1	1 bit	C	R	-	T	-	boolean
	140	Alarming	Strobe	1 bit	C	R	-	T	-	boolean
	141	Alarming	Siren	1 bit	C	R	-	T	-	boolean

KNX Security Panel GM/A 8.1

KNX and ETS: Text messages



The screenshot shows the ETS4 software interface. The 'Topology' pane on the left shows a project structure with a folder '1.1.1 GM/A8.1 KNX Security...' highlighted with an orange box. The main table lists the objects in the project.

N...	Name	Object Function	Length	...	R	W	T	U	Data Ty...
142	Text message	Messages, part 1	14 Byte	C	R	-	T	-	Character St
143	Text message	Messages, part 2	14 Byte	C	R	-	T	-	Character St
144	Text message	UP/DOWN messages	1 bit	C	-	W	T	-	boolean
145	Text message	Triggered detectors, area 1	14 Byte	C	R	-	T	-	Character St
150	Text message	UP/DOWN trig. detect., area 1	1 bit	C	-	W	T	-	boolean
155	Text message	System state, area 1	14 Byte	C	R	-	T	-	Character St
160	General	Scene, area 1	1 Byte	C	-	-	T	-	

Messages part 1: Plain text e.g. intrusion/tamper/panic/...alarm

Messages part 2: Detailed information, e.g. name of the sensor/device/...

Triggered detectors: Name of the sensor

System state: Plain text e.g. unset, ready to set, externally set, fault

UP/DOWN: "0" read previous (earlier) message and "1" read next (older) message

KNX Security Panel GM/A 8.1

KNX and ETS

ETS4™ - Webinar GM/A

ETS Edit Workplace Commissioning Diagnostics Extras Window Help

New Close Project Print Undo Redo Workplace Catalogs Diagnostics

Topology

Add Areas Delete New Dynamic Folder Split Project

	N...	Name	Object Function	Length	...	R	W	T	U	Data Ty...
Topology										
Dynamic Folders										
0 Backbone area										
1 New area										
1.0 Main line										
1.1 New line										
1.1.1 GM/A8.1 KNX Security...	165	disable group 1	Disable group 1	1 bit	C	-	W	T	U	switch
	166	disable group 2	Disable group 2	1 bit	C	-	W	T	U	switch
	167	disable group 3	Disable group 3	1 bit	C	-	W	T	U	switch
	168	Summertime	Disable group 4	1 bit	C	-	W	T	U	switch
	169	disable group 5	Disable group 5	1 bit	C	-	W	T	U	switch
	170	disable group 6	Disable group 6	1 bit	C	-	W	T	U	switch
	185	disable group 1	Status Disable group 1	1 bit	C	R	-	T	-	boolean
	186	disable group 2	Status Disable group 2	1 bit	C	R	-	T	-	boolean
	187	disable group 3	Status Disable group 3	1 bit	C	R	-	T	-	boolean
	188	Summertime	Status Disable group 4	1 bit	C	R	-	T	-	boolean
	189	disable group 5	Status Disable group 5	1 bit	C	R	-	T	-	boolean
	190	disable group 6	Status Disable group 6	1 bit	C	R	-	T	-	boolean

KNX Security Panel GM/A 8.1

KNX and ETS – Text: Disable group 4

ETS4™ - Webinar GM/A

ETS Edit Workplace Commissioning Diagnostics Extras Window Help

New Close Project Print Undo Redo Workplace Catalogs Diagnostics

Topology

Add Areas Delete New Dynamic Folder Split Project

Topology

- Dynamic Folders
- 0 Backbone area
- 1 New area
 - 1.0 Main line
 - 1.1 New line
 - 1.1.1 GM/A8.1 KNX Security...

N...	Name	Object Function	Length	...	R	W	T	U	Data Ty...
165	disable group 1	Disable group 1	1 bit	C	-	W	T	U	switch
166	disable group 2	Disable group 2	1 bit	C	-	W	T	U	switch
167	disable group 3	Disable group 3	1 bit	C	-	W	T	U	switch
168	Summertime	Disable group 4	1 bit	C	-	W	T	U	switch
169	disable group 5	Disable group 5	1 bit	C	-	W	T	U	switch
170	disable group 6	Disable group 6	1 bit	C	-	W	T	U	switch
185	disable group 1	Status Disable group 1	1 bit	C	R	-	T	-	boolean
186	disable group 2	Status Disable group 2	1 bit	C	R	-	T	-	boolean
187	disable group 3	Status Disable group 3	1 bit	C	R	-	T	-	boolean
188	Summertime	Status Disable group 4	1 bit	C	R	-	T	-	boolean
189	disable group 5	Status Disable group 5	1 bit	C	R	-	T	-	boolean
190	disable group 6	Status Disable group 6	1 bit	C	R	-	T	-	boolean

ABB Programming

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Main menu » Programming

Disable groups

- Group 1
- Group 2
- Group 3
- Group 4
- Group 5
- Group 6
- Group 7
- Group 8

Overview Parameters

Text Summertime

Area: All areas

Switchable via

- Webserver ☒
- Keypad ☒
- KNX ☒

KNX Security Panel GM/A 8.1

KNX and ETS

ETS4™ - Webinar GM/A

ETS Edit Workplace Commissioning Diagnostics Extras Window Help

New Close Project Print Undo Redo Workplace Catalogs Diagnostics

Topology

Add Areas Delete New Dynamic Folder Split Project

Topology

- Dynamic Folders
- 0 Backbone area
- 1 New area
 - 1.0 Main line
 - 1.1 New line
 - 1.1.1 GM/A8.1 KNX Security...

N...	Name	Object Function	Length	...	R	W	T	U	Data Ty...
205	Date and Time	Request date and time	1 bit	C	-	W	T	-	boolean
206	Date and Time	Time	3 Byte	C	R	-	T	-	time of day
207	Date and Time	Date	3 Byte	C	R	-	T	-	date
208	Window Kitchen	Status Panel, zone 1	1 bit	C	R	-	T	-	boolean
218	Wind. bedroom	Status Zone term. 1, zone 3	1 bit	C	R	-	T	-	boolean
424	Wind. washroom	KNX zone 1	1 bit	C	-	W	T	U	boolean
425	Zone	KNX zone 2	1 bit	C	-	W	T	U	boolean
426	Zone	KNX zone 3	1 bit	C	-	W	T	U	boolean
427	Zone	KNX zone 4	1 bit	C	-	W	T	U	boolean
428	Zone	KNX zone 5	1 bit	C	-	W	T	U	boolean
429	Zone	KNX zone 6	1 bit	C	-	W	T	U	boolean
430	Zone	KNX zone 7	1 bit	C	-	W	T	U	boolean
431	Zone	KNX zone 8	1 bit	C	-	W	T	U	boolean
432	Zone	KNX zone 9	1 bit	C	-	W	T	U	boolean
433	Zone	KNX zone 10	1 bit	C	-	W	T	U	boolean

KNX Security Panel GM/A 8.1

KNX and ETS – Text: Status of panel zone input 1

ETS4™ - Webinar GM/A

ETS | Edit | Workplace | Commissioning | Diagnostics | Extras | Window | Help

New | Close Project | Print | Undo | Redo | Workplace | Catalogs | Diagnostics

Topology

Add Areas | Delete | New Dynamic Folder | Split Project

N...	Name	Object Function	Length	...	R	W	T	U	Data Ty...
205	Date and Time	Request date and time	1 bit	C	-	W	T	-	boolean
206	Date and Time	Time	3 Byte	C	R	-	T	-	time of day
207	Date and Time	Date	3 Byte	C	R	-	T	-	date
208	Window Kitchen	Status Panel, zone 1	1 bit	C	R	-	T	-	boolean
218	Wind. bedroom	Status Zone term. 1, zone 3	1 bit	C	R	-	T	-	boolean
424	Wind. washroom	KNX zone 1	1 bit	C	-	W	T	U	boolean
425	Zone	KNX zone 2	1 bit	C	-	W	T	U	boolean
426	Zone	KNX zone 3	1 bit	C	-	W	T	U	boolean
427	Zone	KNX zone 4	1 bit	C	-	W	T	U	boolean
428	Zone	KNX zone 5	1 bit	C	-	W	T	U	boolean
429	Zone	KNX zone 6	1 bit	C	-	W	T	U	boolean
430	Zone	KNX zone 7	1 bit	C	-	W	T	U	boolean
431	Zone	KNX zone 8	1 bit	C	-	W	T	U	boolean
432	Zone	KNX zone 9	1 bit	C	-	W	T	U	boolean
433	Zone	KNX zone 10	1 bit	C	-	W	T	U	boolean

Topology

- Dynamic Folders
- 0 Backbone area
- 1 New area
 - 1.0 Main line
 - 1.1 New line
 - 1.1.1 GM/A8.1 KNX Security...

ABB Programming

169.254.86.113/webui/spa/admin/programming

Main menu » Programming

System compon

- Panel
 - Inputs
 - Outputs
 - Zone module
 - Bus motion d
 - SafeKey mod
 - Keypads
 - KNX zone inp
 - Alarm transm

Input 1* | Input 2 | Input 3 | Input 4 | I

Enable input: ☒

Number: P_1

Area assignment: 1

Text: Window Kitchen

Input function: Magnetic contact

Type of monitoring: Contact with EOL resistor

Alarm behavior: Normal

KNX Security Panel GM/A 8.1

KNX and ETS – Text: KNX zone input 1

ETS4™ - Webinar GM/A

ETS Edit Workplace Commissioning Diagnostics Extras Window Help

New Close Project Print Undo Redo Workplace Catalogs Diagnostics

Topology

Add Areas Delete New Dynamic Folder Split Project

Topology

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208	Window Kitchen	Status Panel, zone 1	1 bit	C	R	-	T	-	boolean
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429	Zone	KNX zone 6	1 bit	C	-	W	T	U	boolean
430	Zone	KNX zone 7	1 bit	C	-	W	T	U	boolean
431	Zone	KNX zone 8	1 bit	C	-	W	T	U	boolean
432	Zone	KNX zone 9	1 bit	C	-	W	T	U	boolean
433	Zone	KNX zone 10	1 bit	C	-	W	T	U	boolean

ABB Programming

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Main menu » Programming

KNX zone inputs

- KNX Zone: 1
- KNX Zone: 2
- KNX Zone: 3
- KNX Zone: 4
- KNX Zone: 5
- KNX Zone: 6
- KNX Zone: 7

KNX zone input 1 Parameters

Text: Wind. washroom

Address: 1

Area assignment: Area 1

State: Deactivated

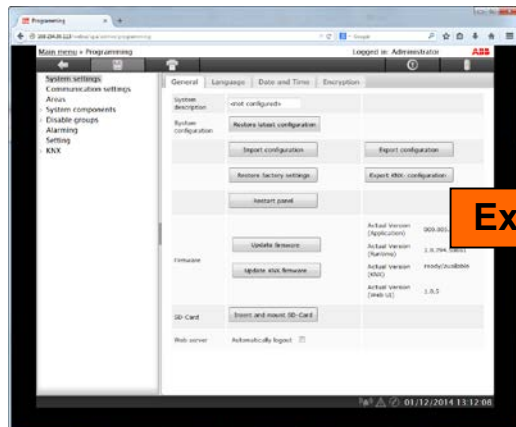
KNX Security Panel GM/A 8.1

KNX and ETS

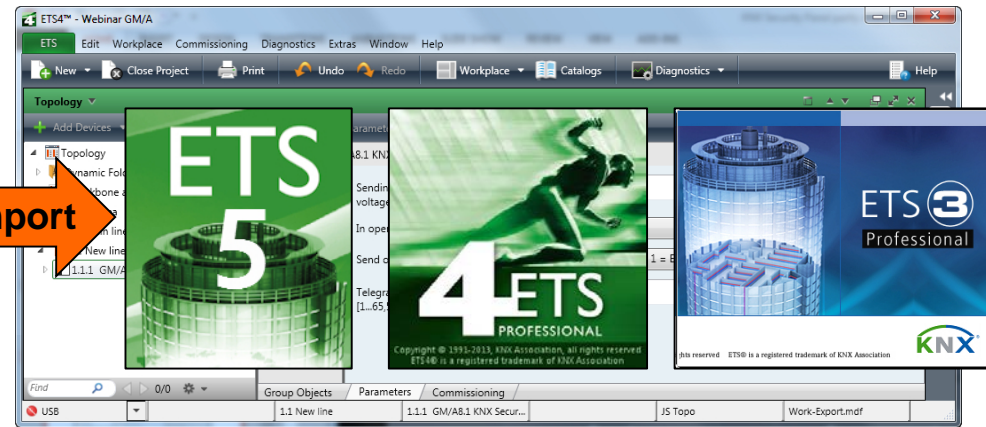


Note

- In case of changes of the KNX configuration of the GM/A 8.1 it has to be imported into ETS again
- All existing group addresses will remain as before
- Only changes will be synchronised

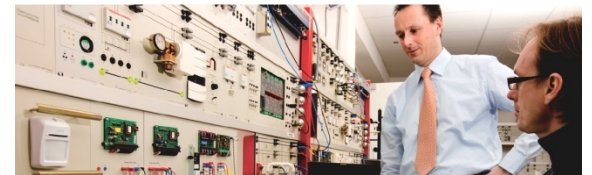


Import



KNX Security Panel GM/A 8.1

Training 2015



KNX Security Panel GM/A 8.1

Next Webinar

18th of February 2015



- Weather Sensor WES/A 3.1
- Weather Unit WZ/S 1.3.1.2
- Weather Station WS/S 4.1.1.2
- Analogue Input AE/S 4.1.1.3



To connect all common weather sensors for brightness, rain, wind speed/direction, light intensity, pyranometers,

...



Used wherever analogue variables should be detected

KNX Security Panel GM/A 8.1

Webinars 2014



- Thank you for participating in our webinars
- We wish you a merry and blessed Christmas season and good fortune, health and success in the New Year 2015



Power and productivity
for a better world™

