



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

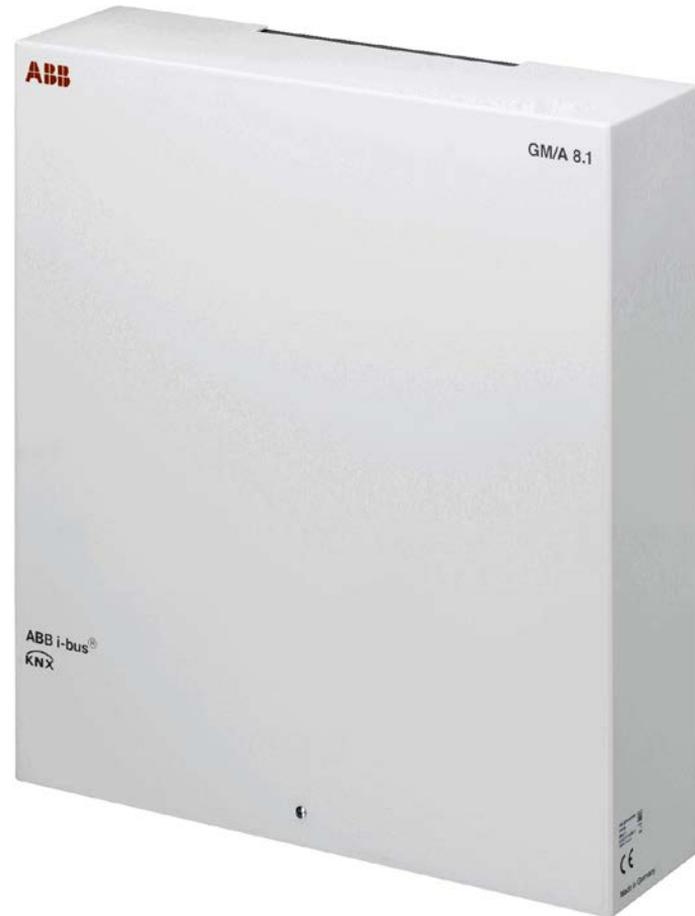
Know how in intelligent building control since 1980

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

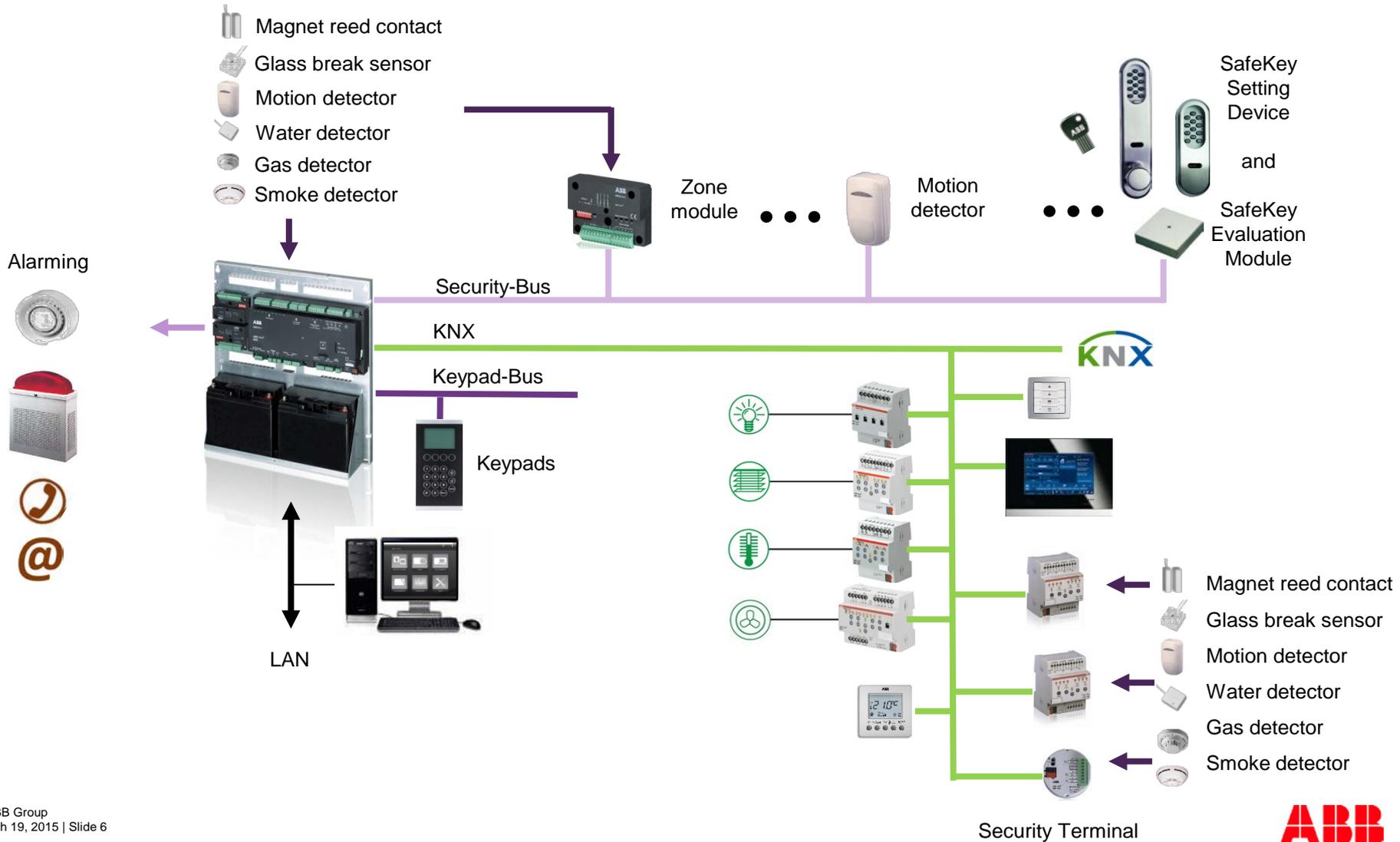
One system – all interfaces



- ↔ 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

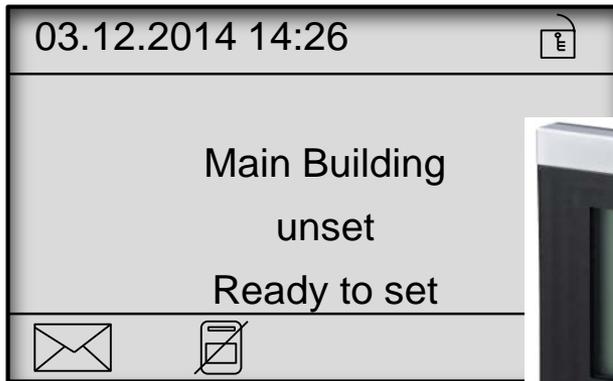
▪ 8 onboard zone inputs	8
▪ 64 Bus motion detectors	+ 64
▪ 32 Zone Modules (each 4 zones)	+ 128
▪ 8 SafeKey Module (2 zones)	+ 16
▪ 128 zone inputs via KNX	+ 128
Total zone inputs	344

Hint

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

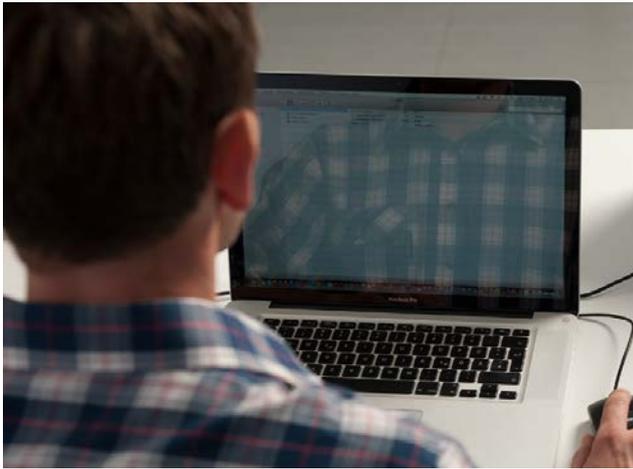
KNX Security Panel GM/A 8.1

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

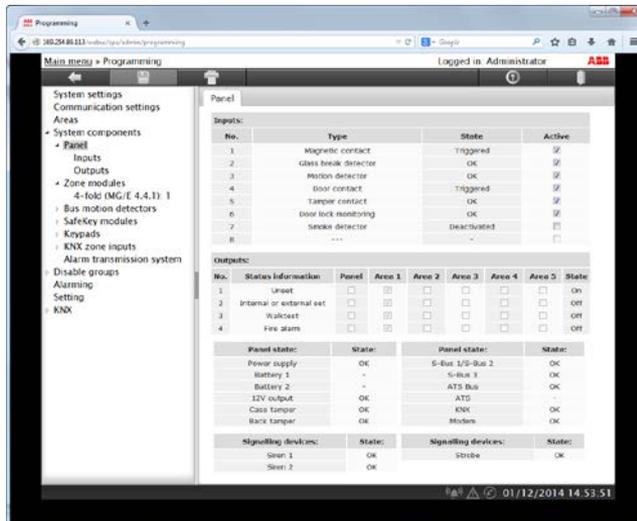
KNX Security Panel GM/A 8.1 Comissioning



- 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

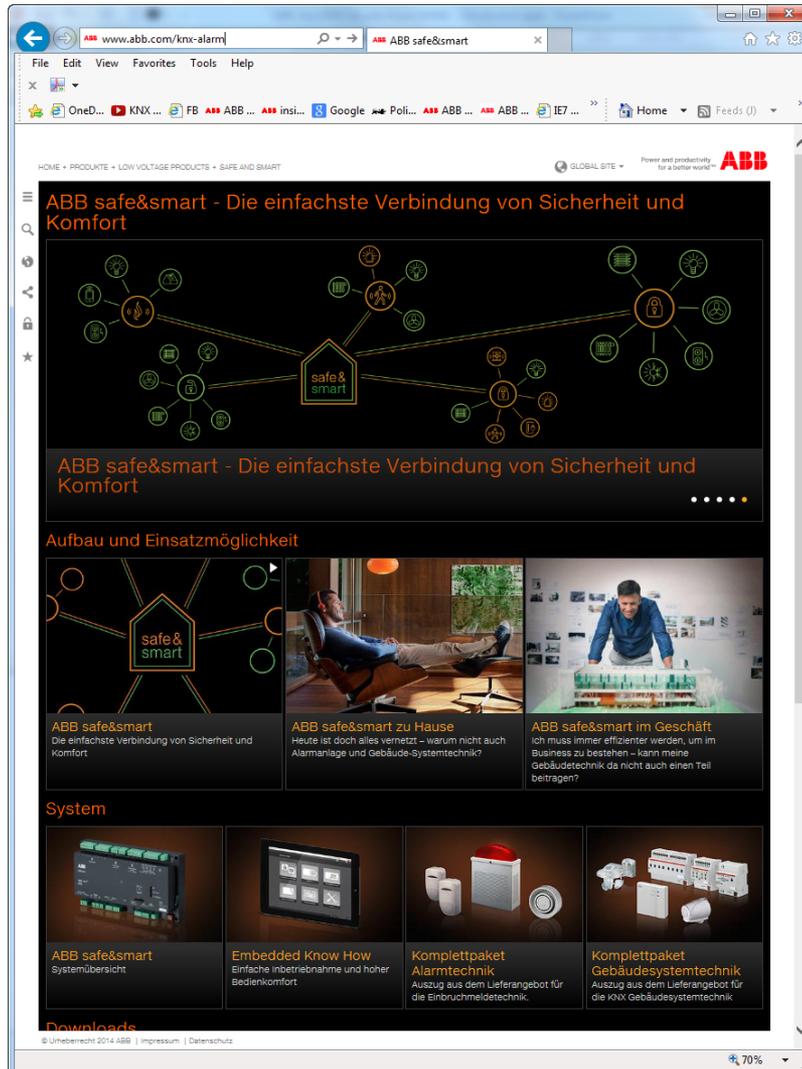
Benefits:

- Highest security against attacks from local network



KNX Security Panel GM/A 8.1

Landing-Page KNX-Alarm



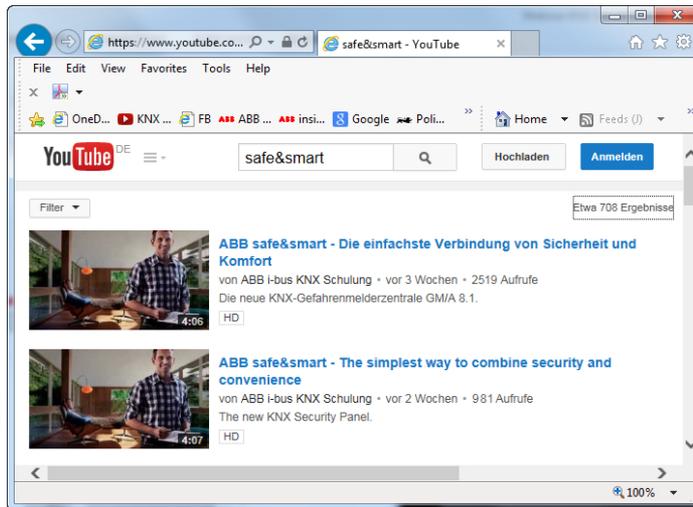
Website for KNX alarm topics:

- 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.)

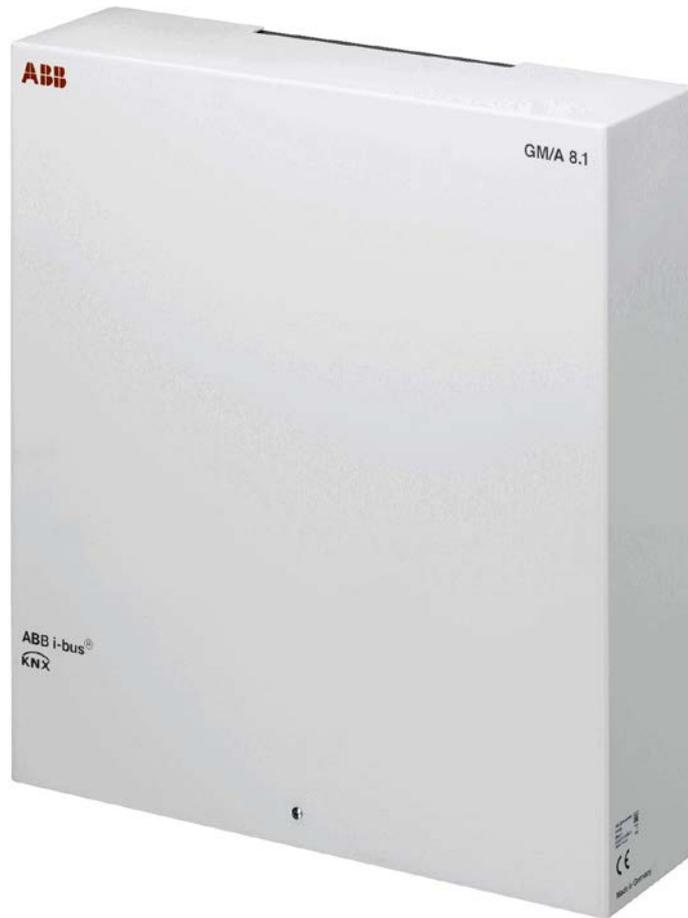
KNX Security Panel GM/A 8.1 Marketing Tools



Video: „safe&smart“



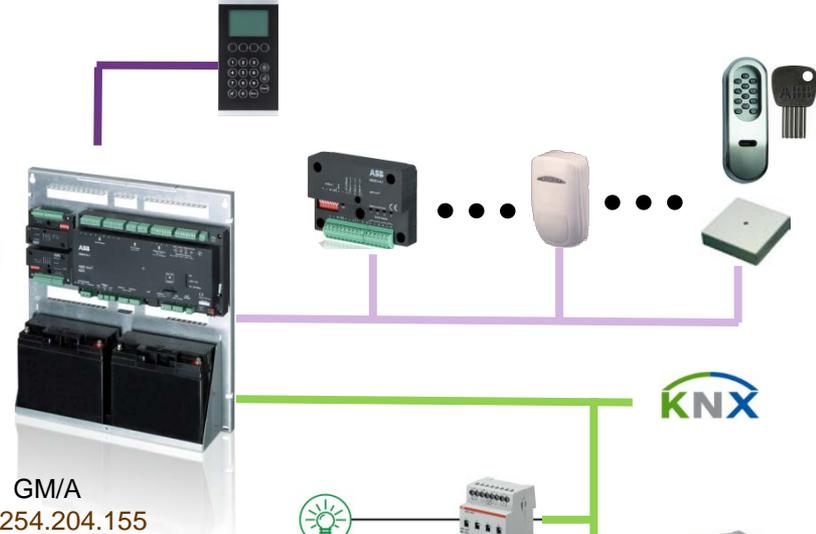
KNX Security Panel GM/A 8.1



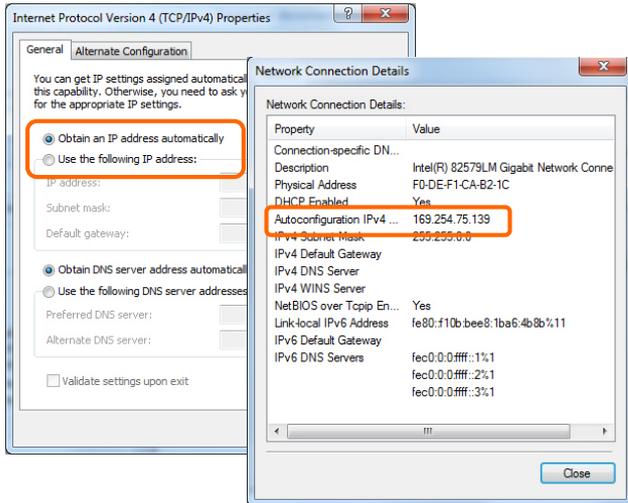
KNX Security Panel GM/A 8.1 Commissioning – direct (Auto-IP)



PC
169.254.75.139



GM/A
169.254.204.155



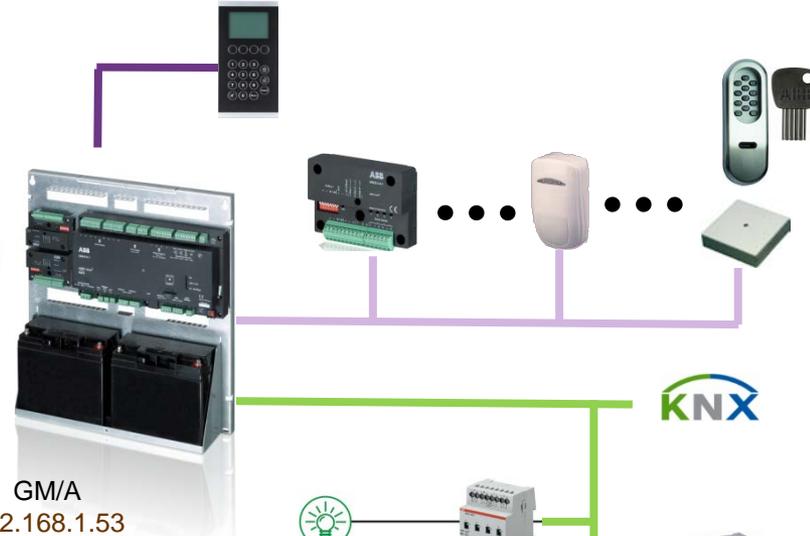
Auto-IP address range:
169.254.1.0 to 169.254.254.255

KNX Security Panel GM/A 8.1

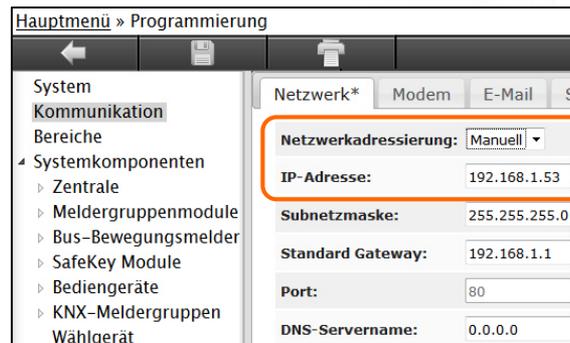
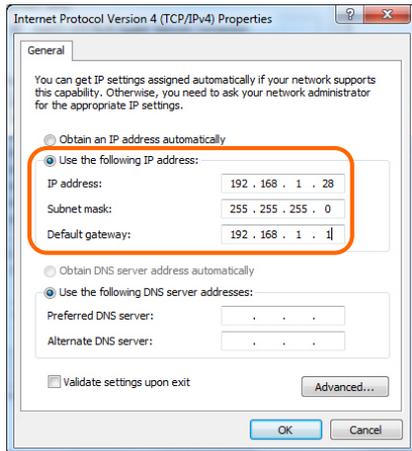
Commissioning – direct (Fixed-IP)



PC
192.168.1.28

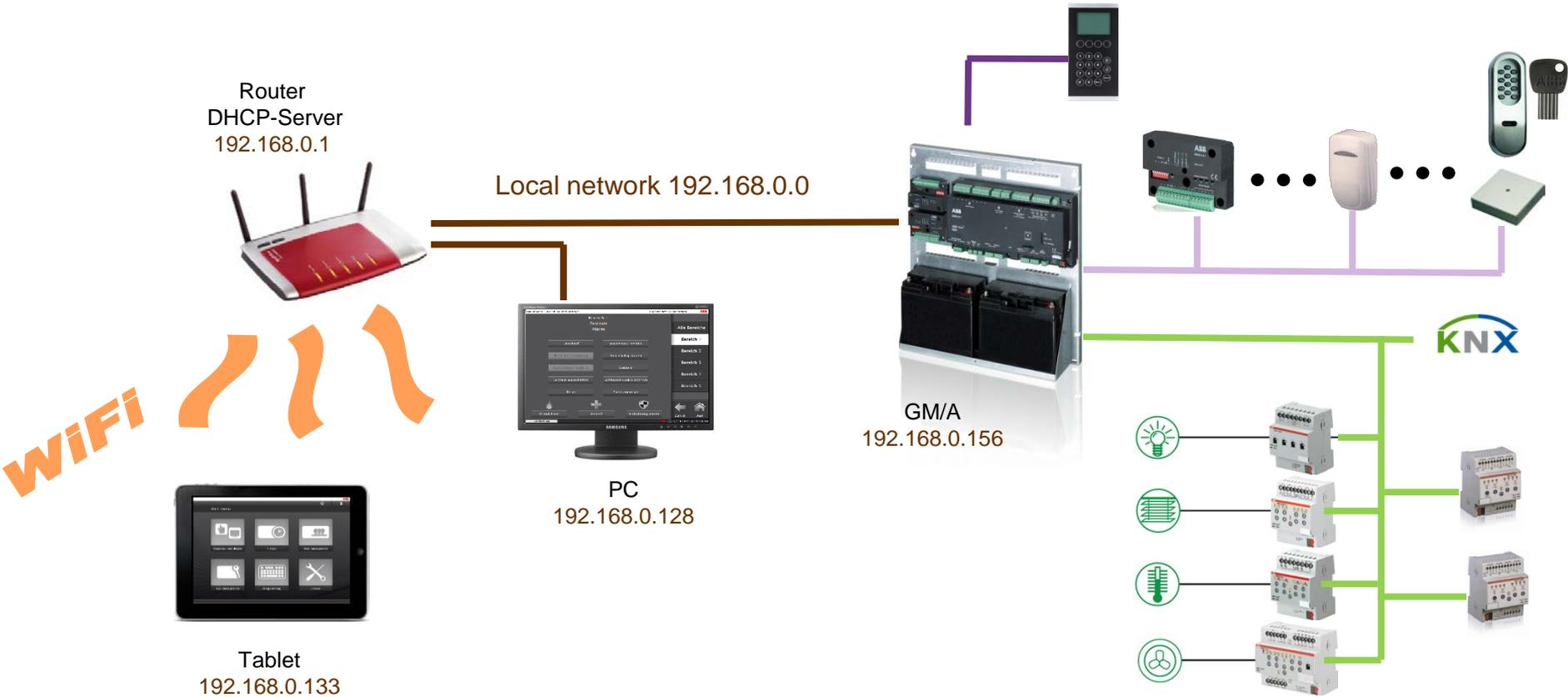


GM/A
192.168.1.53

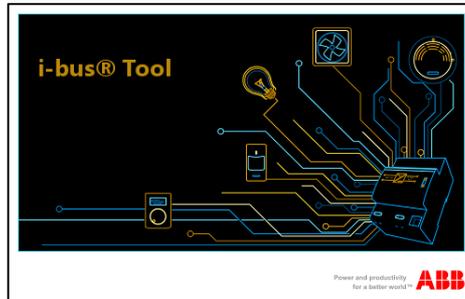


KNX Security Panel GM/A 8.1

Commissioning – router with DHCP-Server

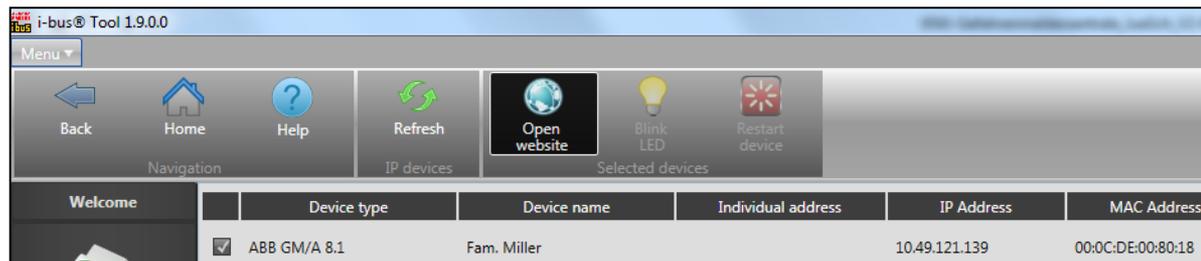


KNX Security Panel GM/A 8.1 Commissioning



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

Menu ▾

Navigation: Back, Home, Help

IP devices: Refresh

Selected devices: Open website, Blink LED, Restart device

	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:0B: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

Connect to device

Demo

IP devices

All

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

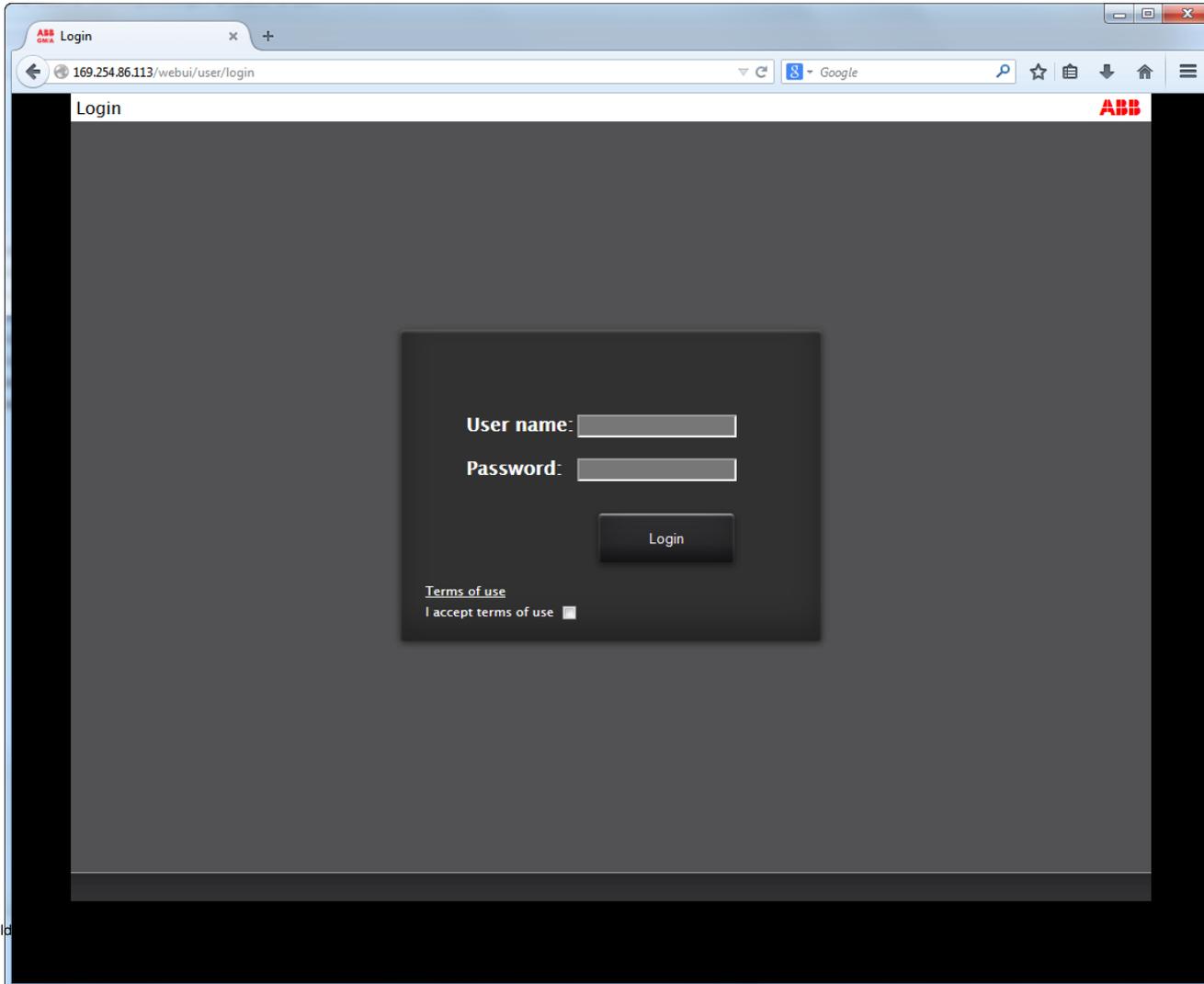
```

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=00:0c:de:01:80:70
Firmware=00310C000301010100
Buildnumber:1.0.703.49024
PA 1.1.150
ECUAppState=loaded
    
```

Log

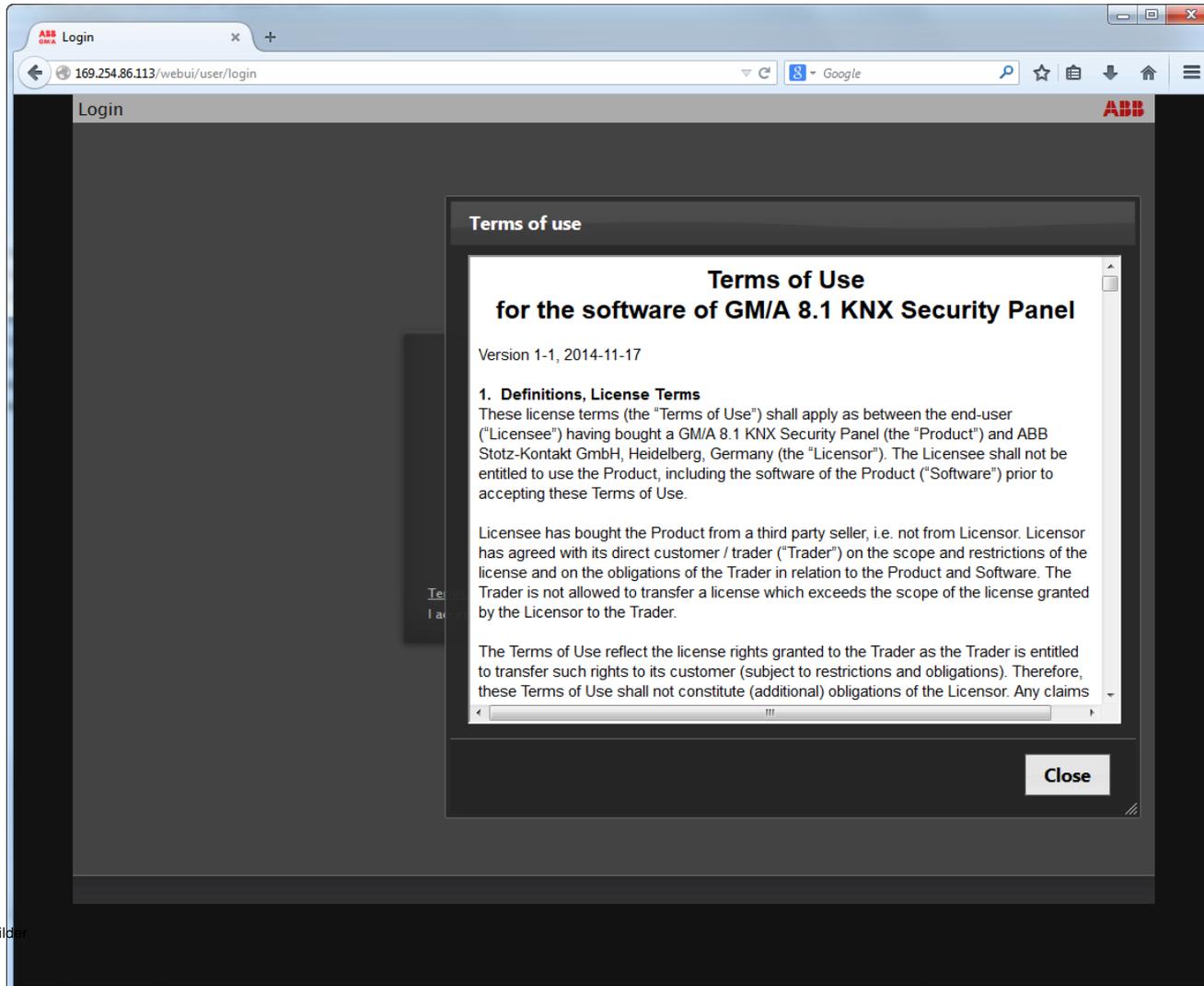
USB Disconnected Telegrams per second 6 Refresh mode Automatic i-bus Tool 1.7.1.10 ABB Copyright © 2013

KNX Security Panel GM/A 8.1 Commissioning – Login

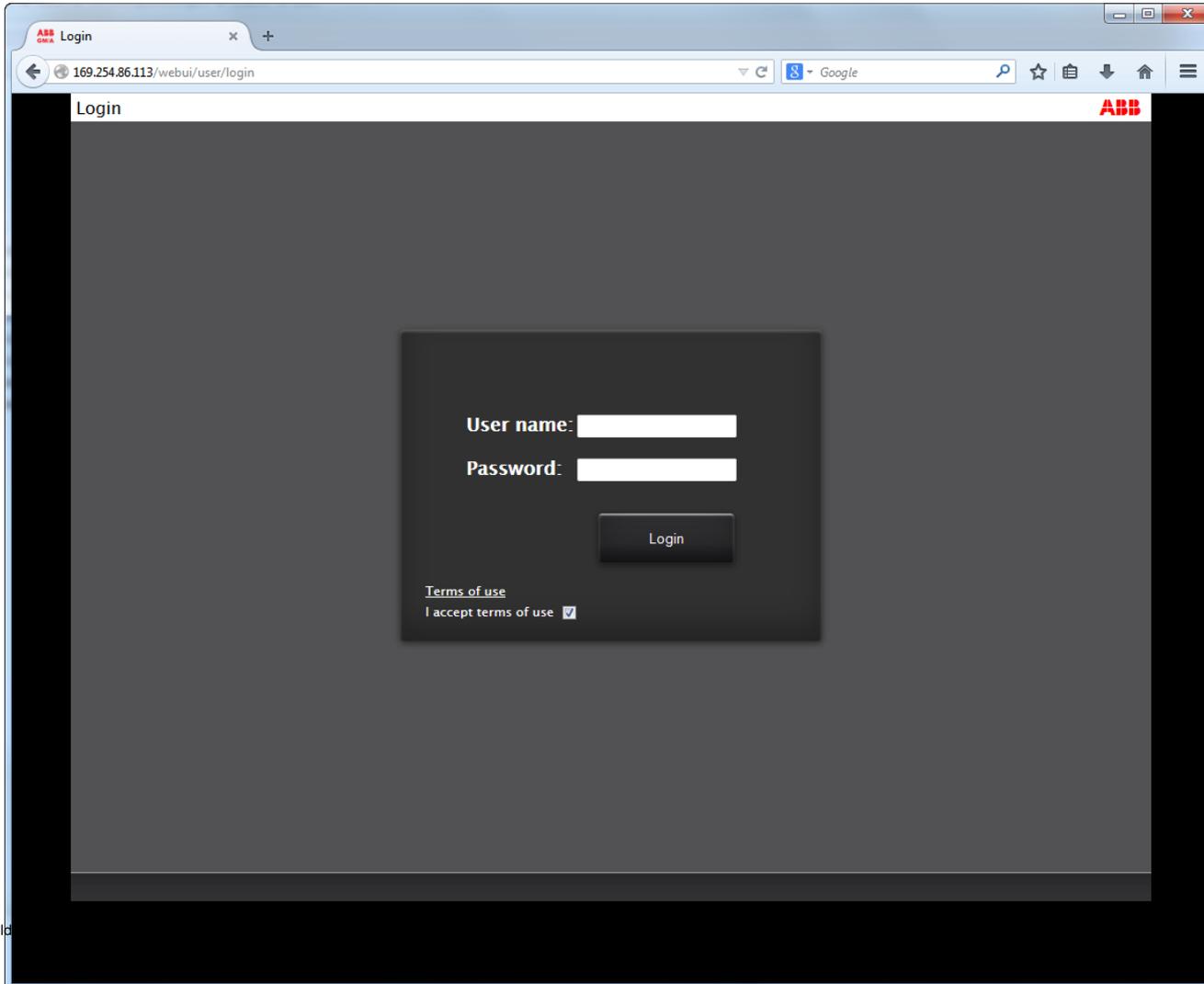


The image shows a web browser window displaying the login page for the ABB KNX Security Panel GM/A 8.1. The browser's address bar shows the URL `169.254.86.113/webui/user/login`. The page has a dark grey background with the word "Login" in the top left corner and the ABB logo in the top right corner. In the center, there is a dark grey box containing the login form. The form includes two input fields: "User name:" and "Password:". Below these fields 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".

KNX Security Panel GM/A 8.1 Commissioning – Login



KNX Security Panel GM/A 8.1 Commissioning – Login



The image shows a web browser window displaying the login page for the ABB KNX Security Panel GM/A 8.1. The browser's address bar shows the URL `169.254.86.113/webui/user/login`. The page title is "Login" and the ABB logo is visible in the top right corner. The main content area is a dark gray rectangle containing a login form. The form has two input fields: "User name:" and "Password:". 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/login

Google

Login

User name:

Password:

Login

[Terms of use](#)

I accept terms of use

KNX Security Panel GM/A 8.1

Commissioning – Login “Operator”

ABB Login

169.254.86.113/webui/user/login

Google

Login

ABB

User name: Operator

Password: [masked]

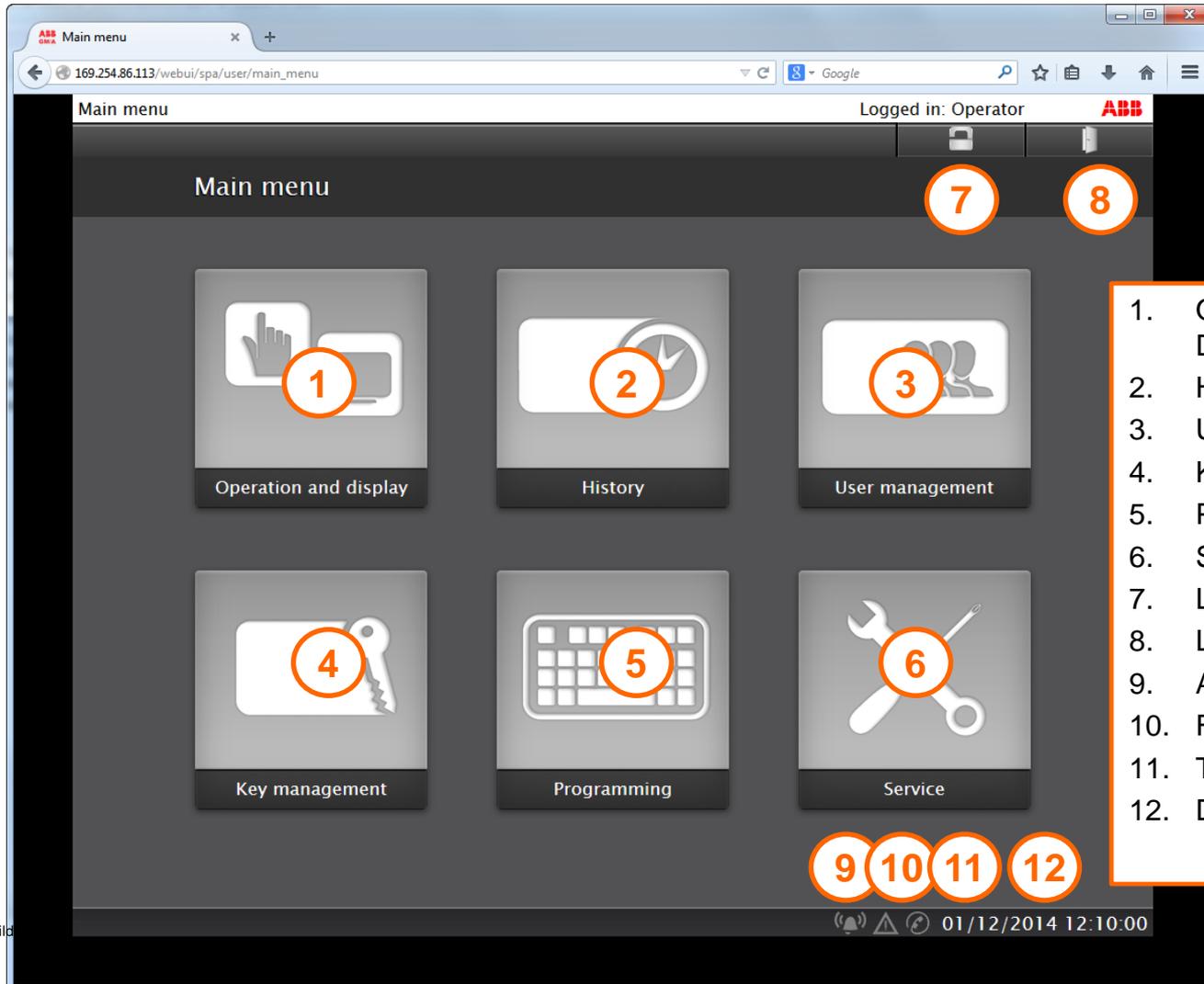
Login

[Terms of use](#)

I accept terms of use

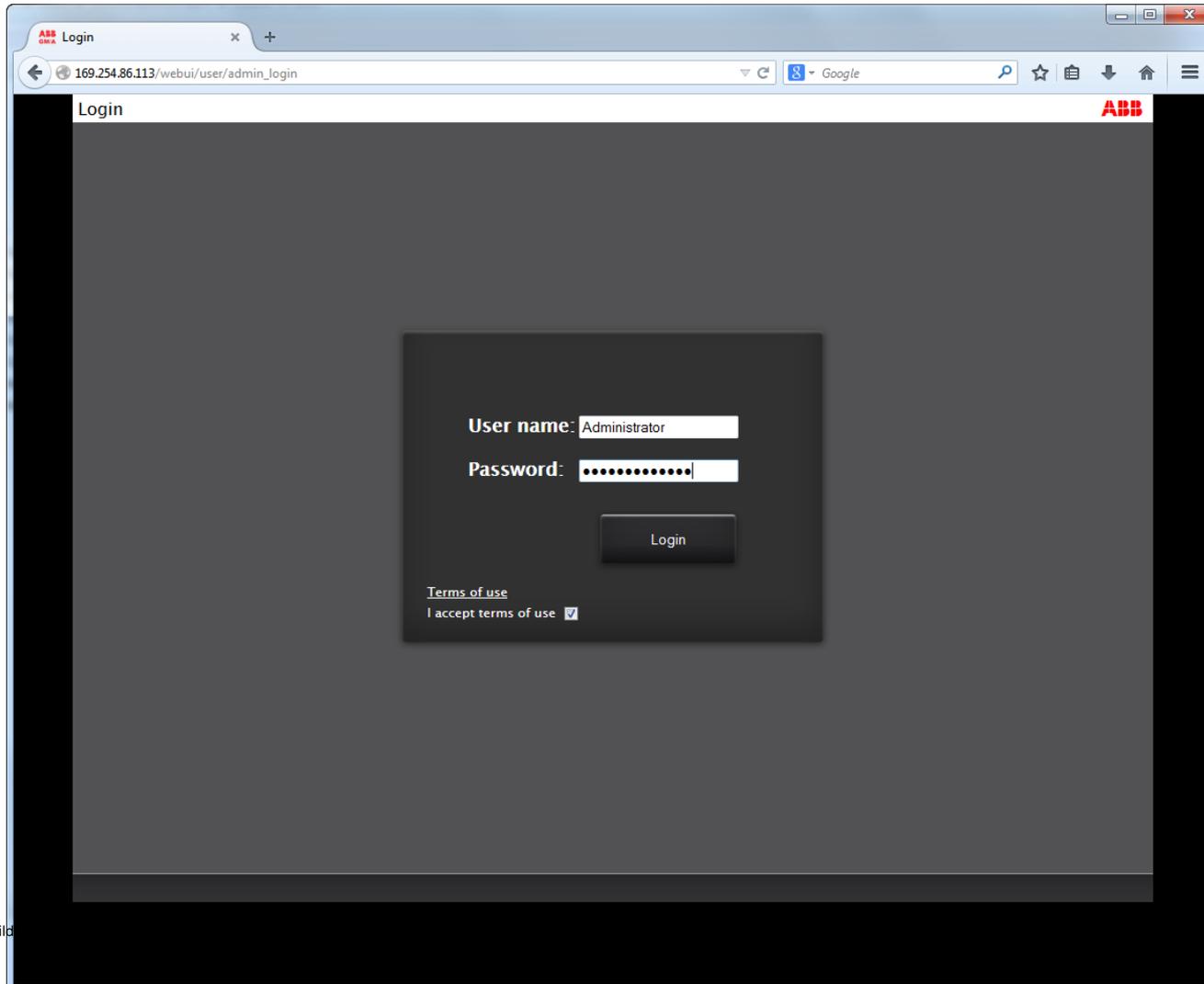
KNX Security Panel GM/A 8.1

Main Menu: Operator



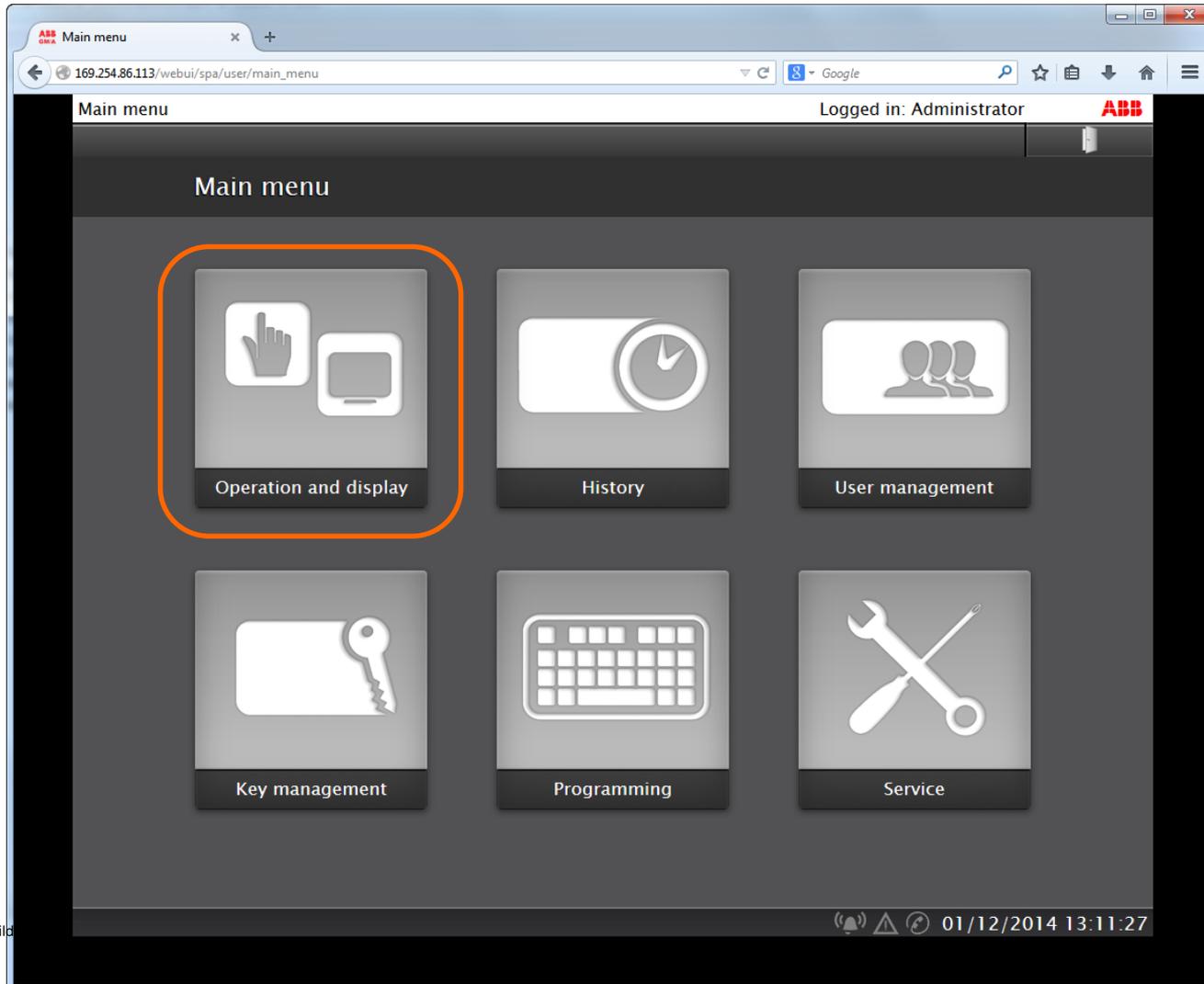
KNX Security Panel GM/A 8.1

Login “Administrator”



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 URL `169.254.216.134/webui/spa/user/status`. The page title is "Main menu » Operation and status" and it shows the user is logged in as "Administrator". The main content is a table with the following data:

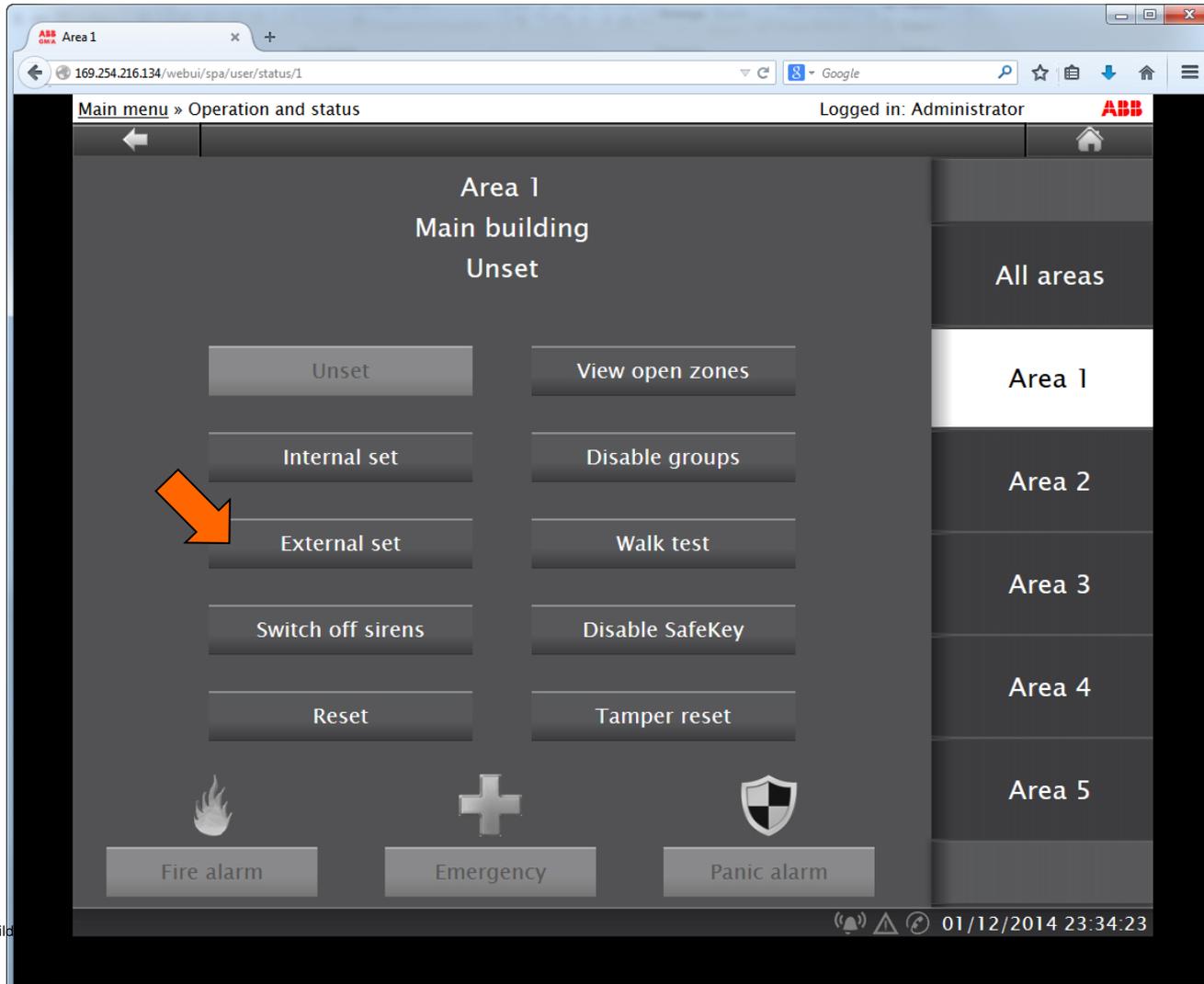
Area	Name	State	Ready to set (internally)	Ready to set (externally)	Alarm / Fault
Area 1	Main building	Unset	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Area 2	area 2	Unset	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input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

On the right side of the table, there is a vertical list of buttons: "All areas", "Area 1", "Area 2", "Area 3", "Area 4", and "Area 5". The "All areas" button is currently selected and highlighted in white.

At the bottom of the interface, there is a status bar showing the date and time: "01/12/2014 23:33:41".

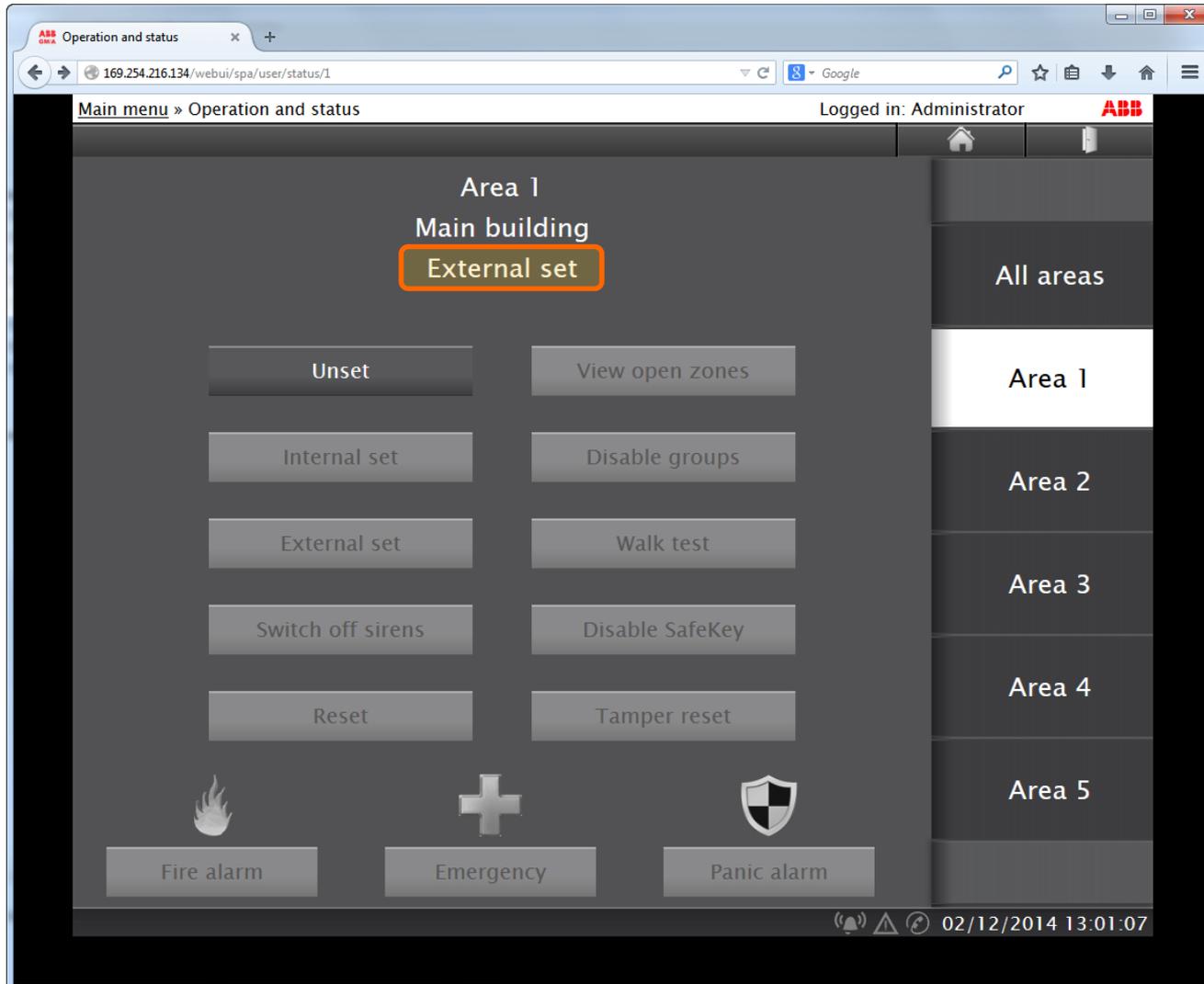
KNX Security Panel GM/A 8.1

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 – Intrusion alarm

The screenshot displays the web interface of the ABB KNX Security Panel GM/A 8.1. The browser address bar shows the URL `169.254.216.134/webui/spa/user/status/1`. The page title is "Area 1" and the user is logged in as "Administrator". The main menu is "Operation and status".

The interface shows the "Area 1 Main building Alarm" status. A red bell icon with sound waves indicates an active alarm. The alarm message reads "intrusion Area 1 Main building". An "OK" button is visible next to the alarm message.

The interface includes several control buttons:

- Unset
- View open zones
- Internal set
- External set
- Switch off sirens
- Reset
- Tamper reset
- Fire alarm
- Emergency
- Panic alarm

The right sidebar shows a list of areas: "All areas", "Area 1", "Area 2", "Area 3", "Area 4", and "Area 5".

The bottom status bar shows the date and time: "02/12/2014 12:57:29".



KNX Security Panel GM/A 8.1

Main Menu: Operation and Display – Intrusionalarm

The screenshot displays the web interface for the ABB KNX Security Panel GM/A 8.1. The browser address bar shows the URL `169.254.216.134/webui/spa/user/status/1`. The page title is "Operation and status" and the user is logged in as "Administrator".

The main content area is titled "Area 1 Main building" and features a control panel with the following buttons:

- External set (highlighted with an orange box and an orange arrow)
- Unset
- View open zones
- Internal set
- Disable groups
- External set
- Walk test
- Switch off sirens
- Disable SafeKey
- Reset
- Tamper reset

At the bottom of the control panel, there are three buttons with icons: "Fire alarm" (flame icon), "Emergency" (plus sign icon), and "Panic alarm" (shield icon).

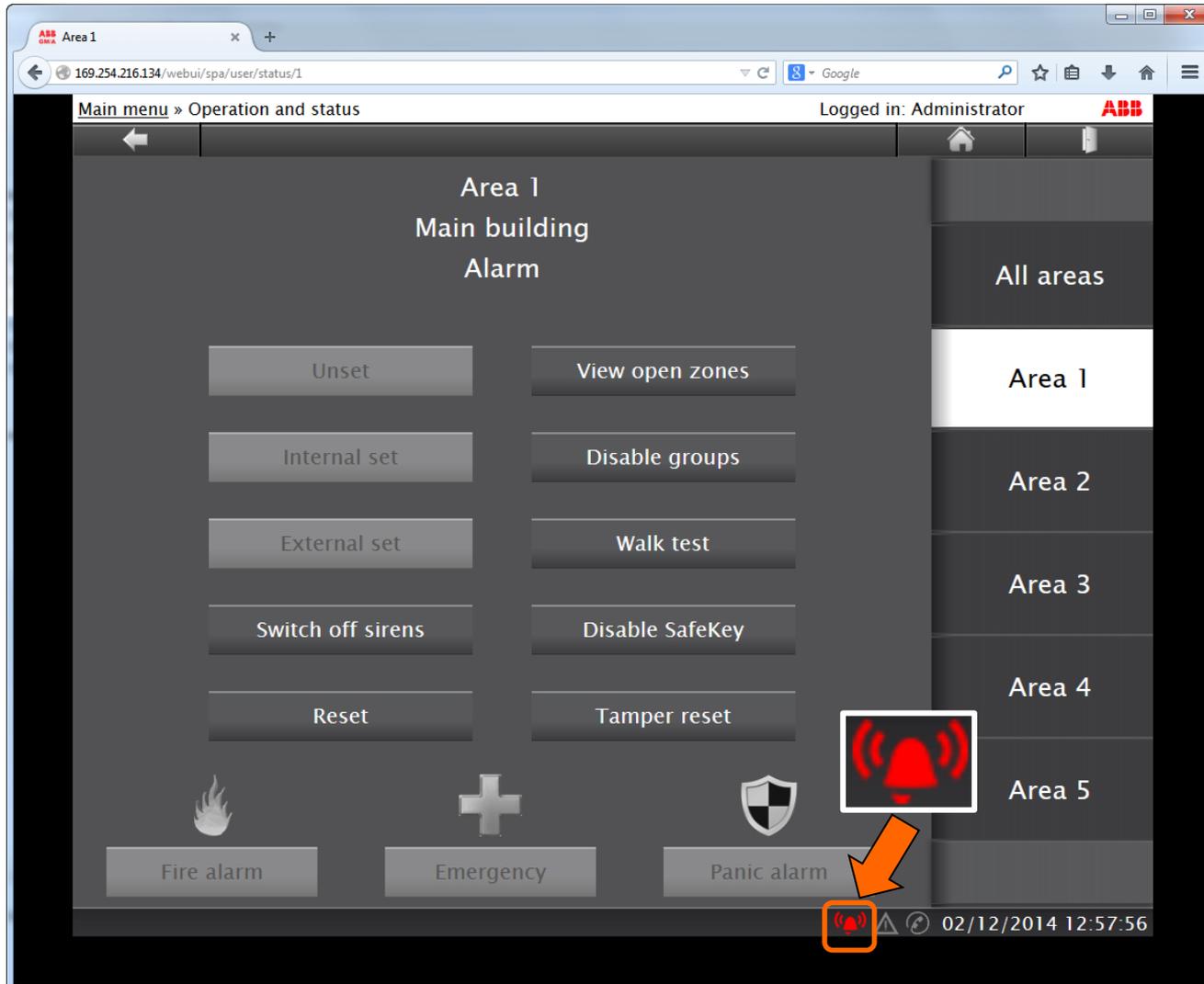
A sidebar on the right side of the interface allows for selecting different areas:

- All areas
- Area 1 (selected)
- Area 2
- Area 3
- Area 4
- Area 5

The bottom status bar shows the date and time: "02/12/2014 13:01:07".

KNX Security Panel GM/A 8.1

Main Menu: Operation and Display – Intrusion alarm



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 is "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

To the right of the table is a vertical sidebar with area selection options: "All areas", "Area 1", "Area 2", "Area 3", "Area 4", and "Area 5".

At the bottom of the table, there is a pagination control showing "1" and "25".

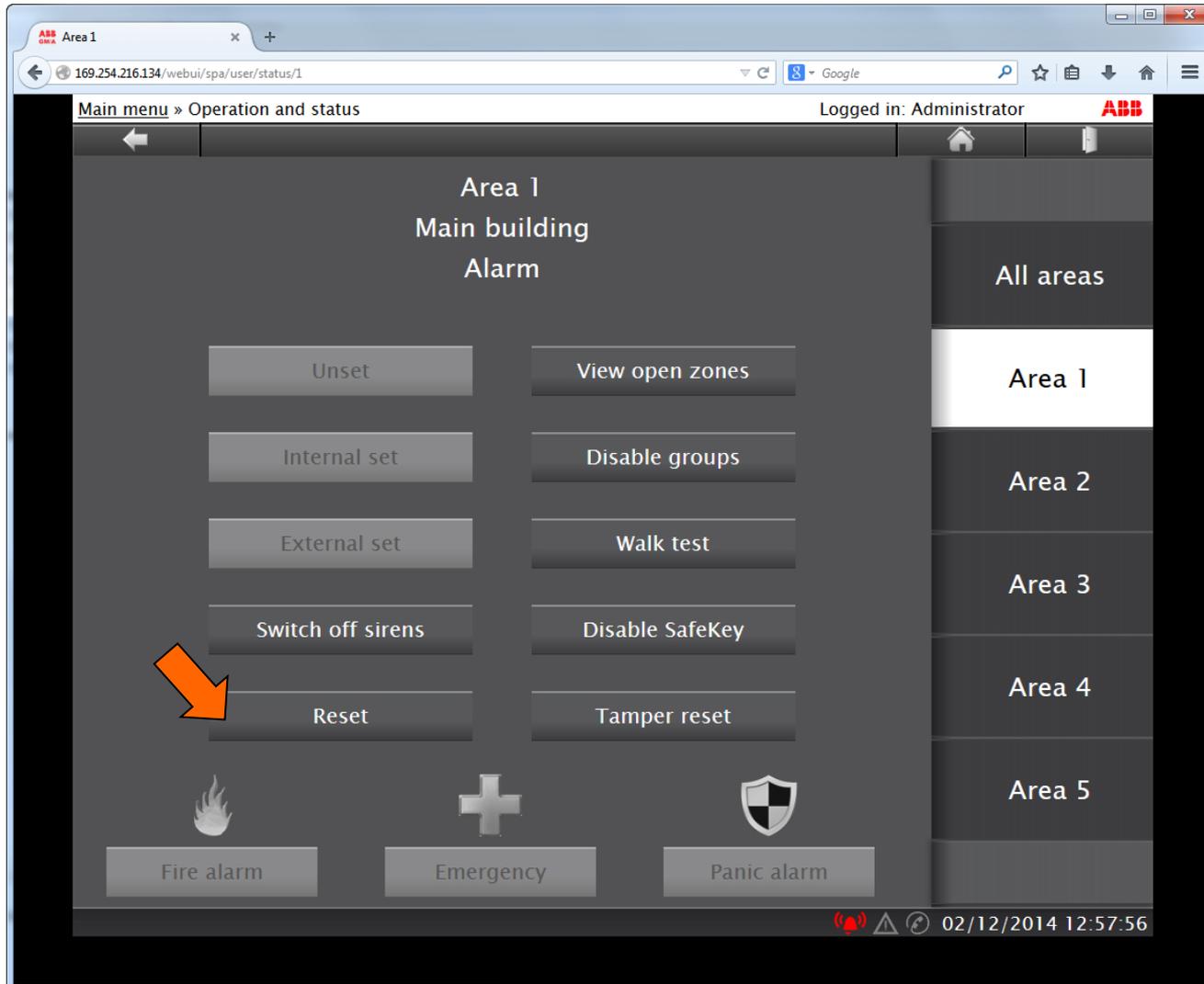
An "Additional info" popup is visible, containing the following text:

- Magnetic contact intrusion
- P_1
- Window Kitchen

At the bottom right, there is a "Show:" section with checkboxes for "Alarms" (checked) and "Faults". The system status bar at the bottom right shows a red alarm icon, a warning icon, a refresh icon, and the timestamp "02/12/2014 12:58:11".

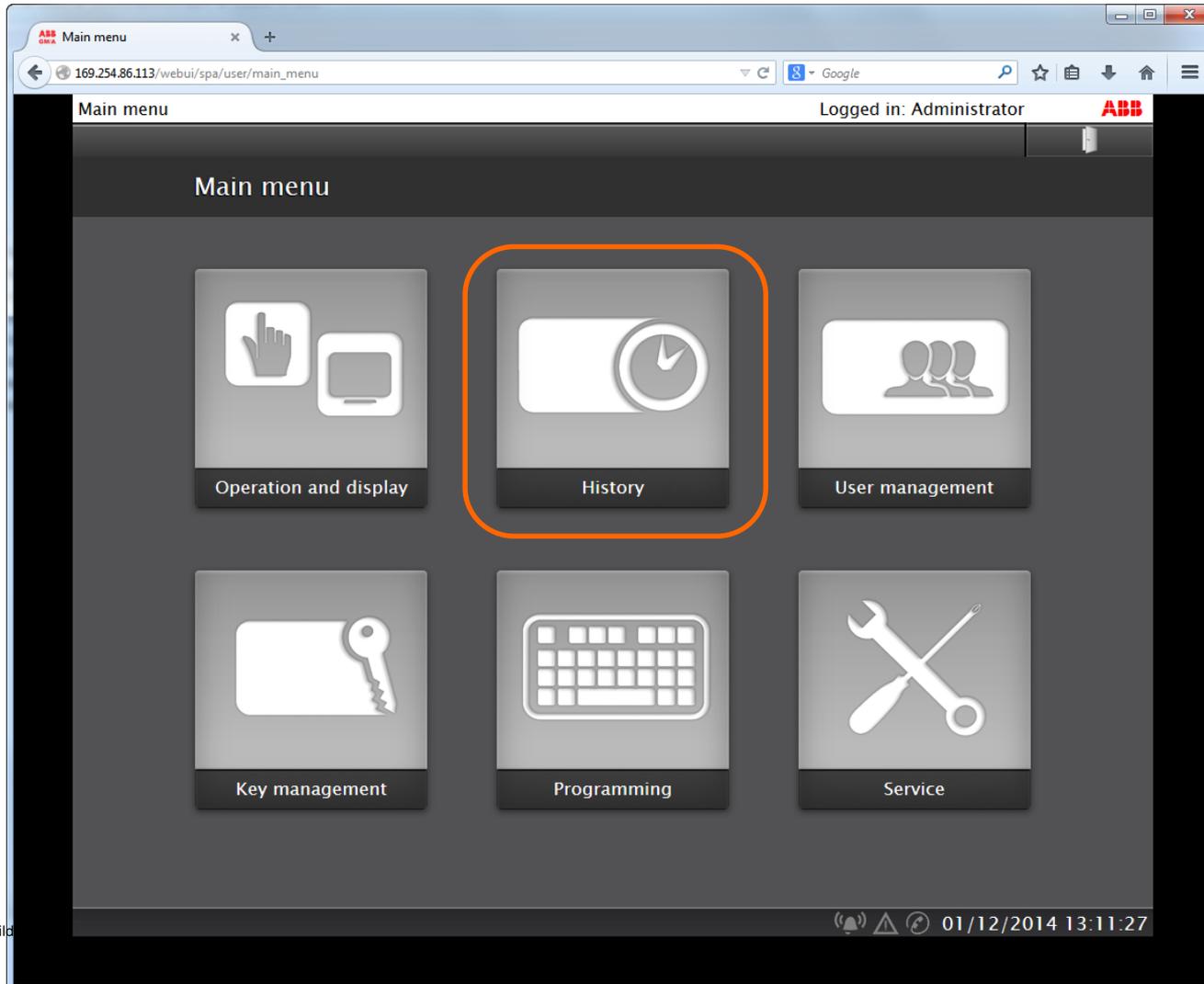
KNX Security Panel GM/A 8.1

Main Menu: Operation and Display – Intrusion alarm



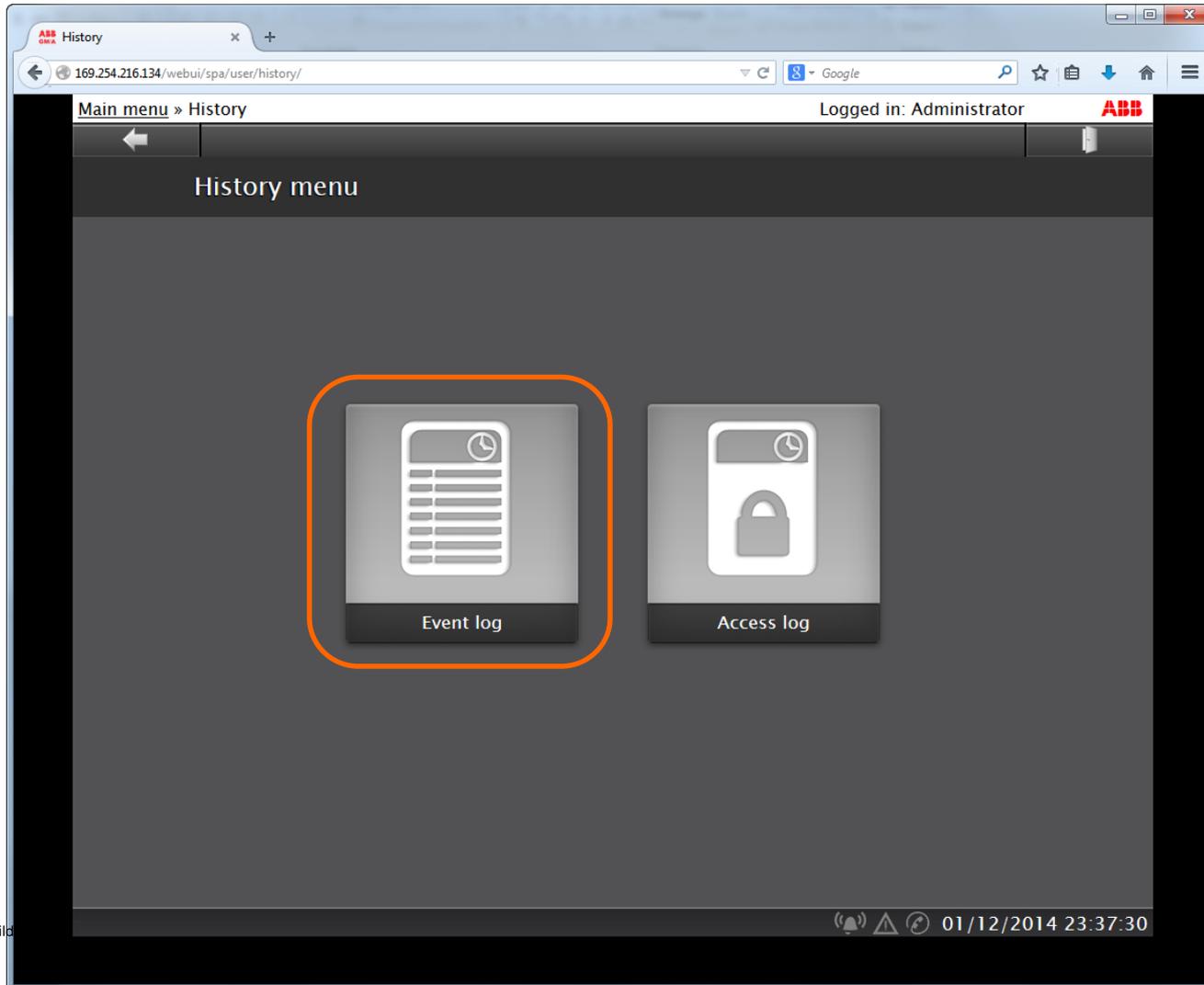
KNX Security Panel GM/A 8.1

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

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

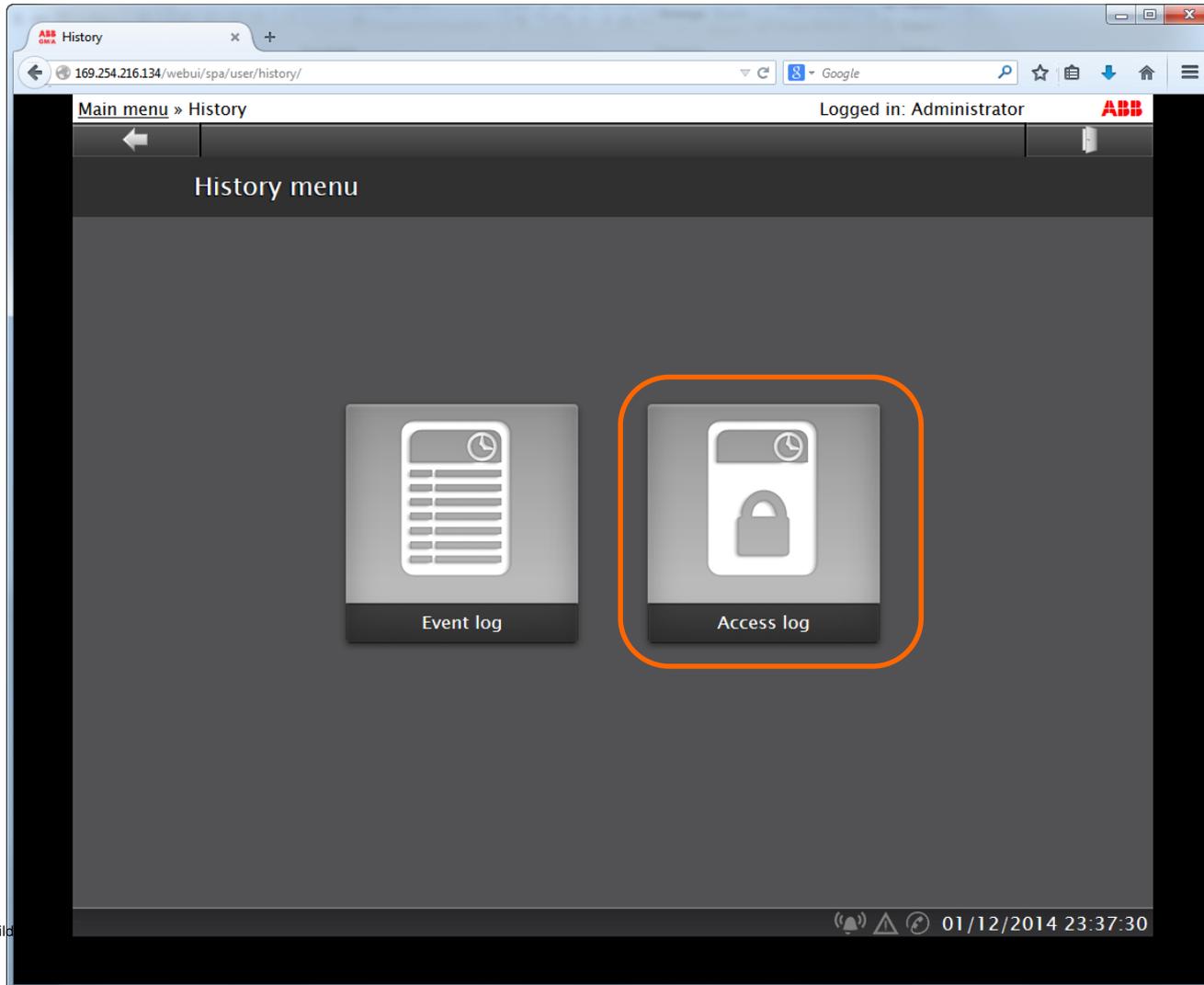
← 1 2 3 4 5 6 7 8 9 10 → 25

Additional info:
Magnetic contact
P_1
Window Kitchen

01/12/2014 23:39:38

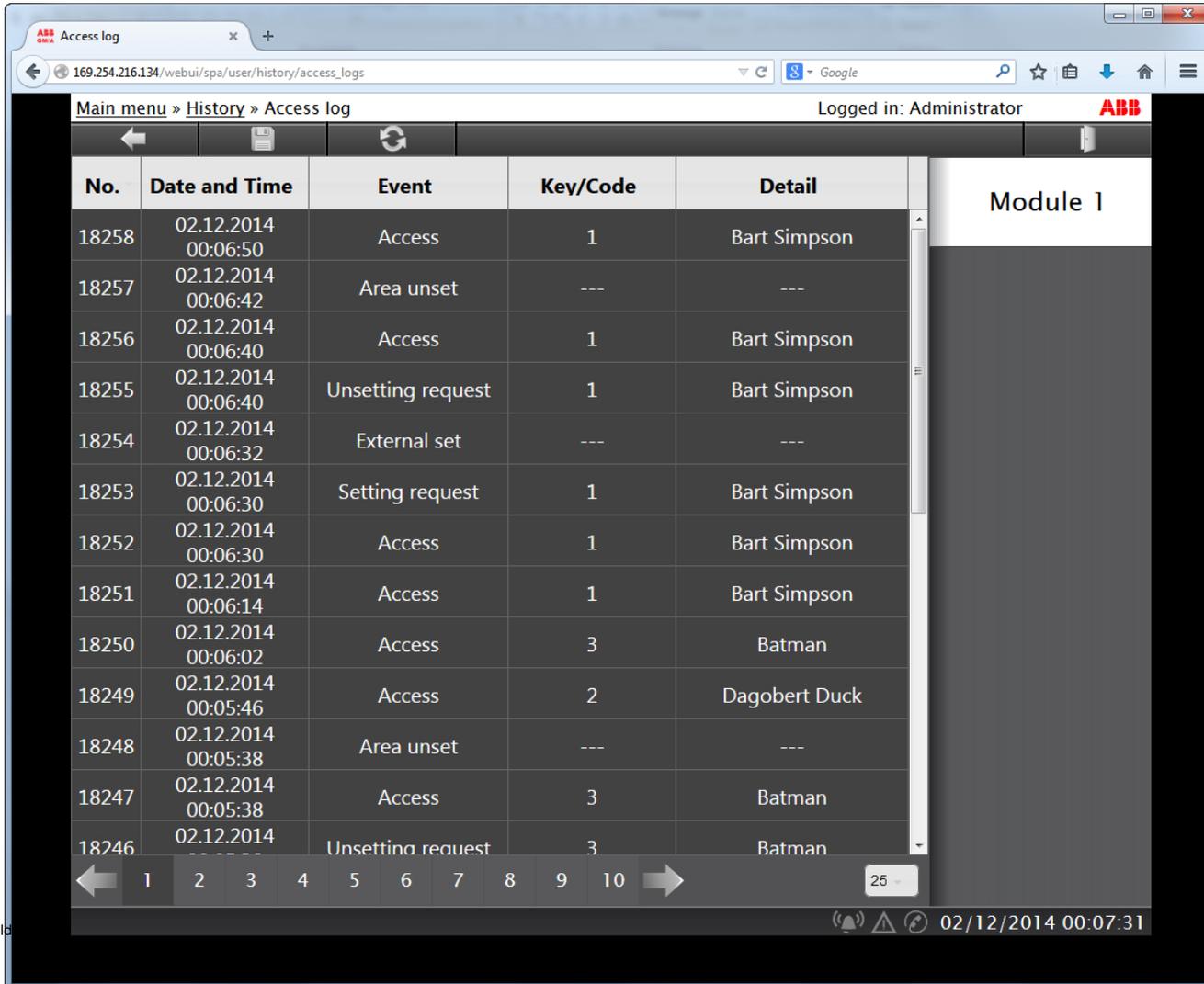
KNX Security Panel GM/A 8.1

Main Menu: History – Access Log (SafeKey)



KNX Security Panel GM/A 8.1

Main Menu: History – Access Log (SafeKey)

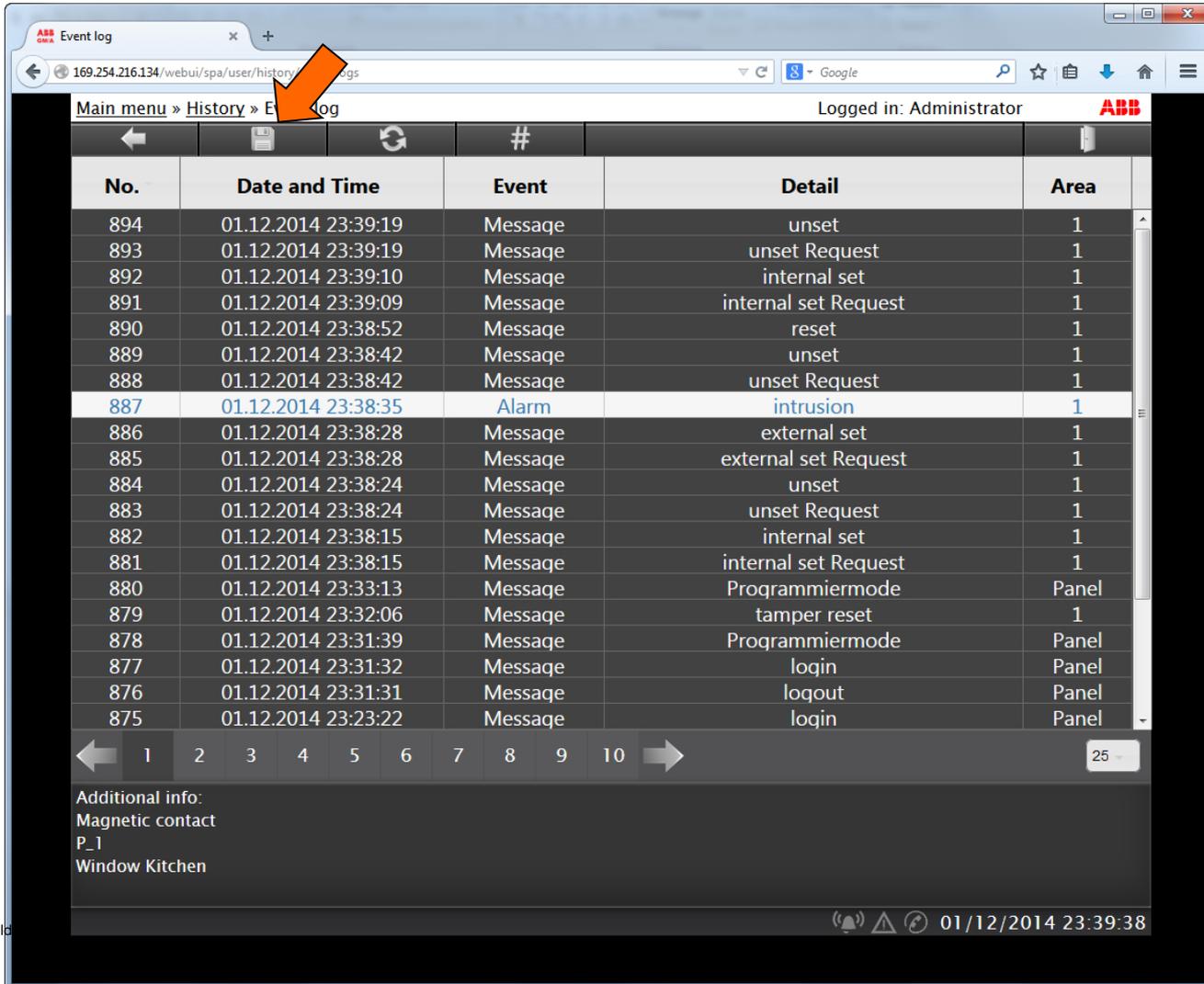


The screenshot displays a web browser window titled "Access log" with the URL "169.254.216.134/webui/spa/user/history/access_logs". The interface shows the user is logged in as "Administrator". The main content is a table of access logs for "Module 1". The table has five columns: "No.", "Date and Time", "Event", "Key/Code", and "Detail". The data rows show various events such as "Access", "Area unset", "Unsetting request", and "External set" occurring on 02.12.2014. The table is paginated, showing entries 1 through 10, with a total of 25 entries.

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

KNX Security Panel GM/A 8.1

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



The screenshot shows a web browser window displaying the ABB Event log interface. The breadcrumb navigation at the top reads "Main menu » History » Event/Access Log", with an orange arrow pointing to "History". The interface is logged in as "Administrator". Below the navigation is a table of event logs with the following columns: No., Date and Time, Event, Detail, and Area. The table contains 17 rows of data, with row 887 highlighted in blue. Below the table is a pagination control showing page 10 of 25. At the bottom, there is an "Additional info" section with the text "Magnetic contact P_1 Window Kitchen". The system status bar at the bottom right shows the date and time "01/12/2014 23:39:38".

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

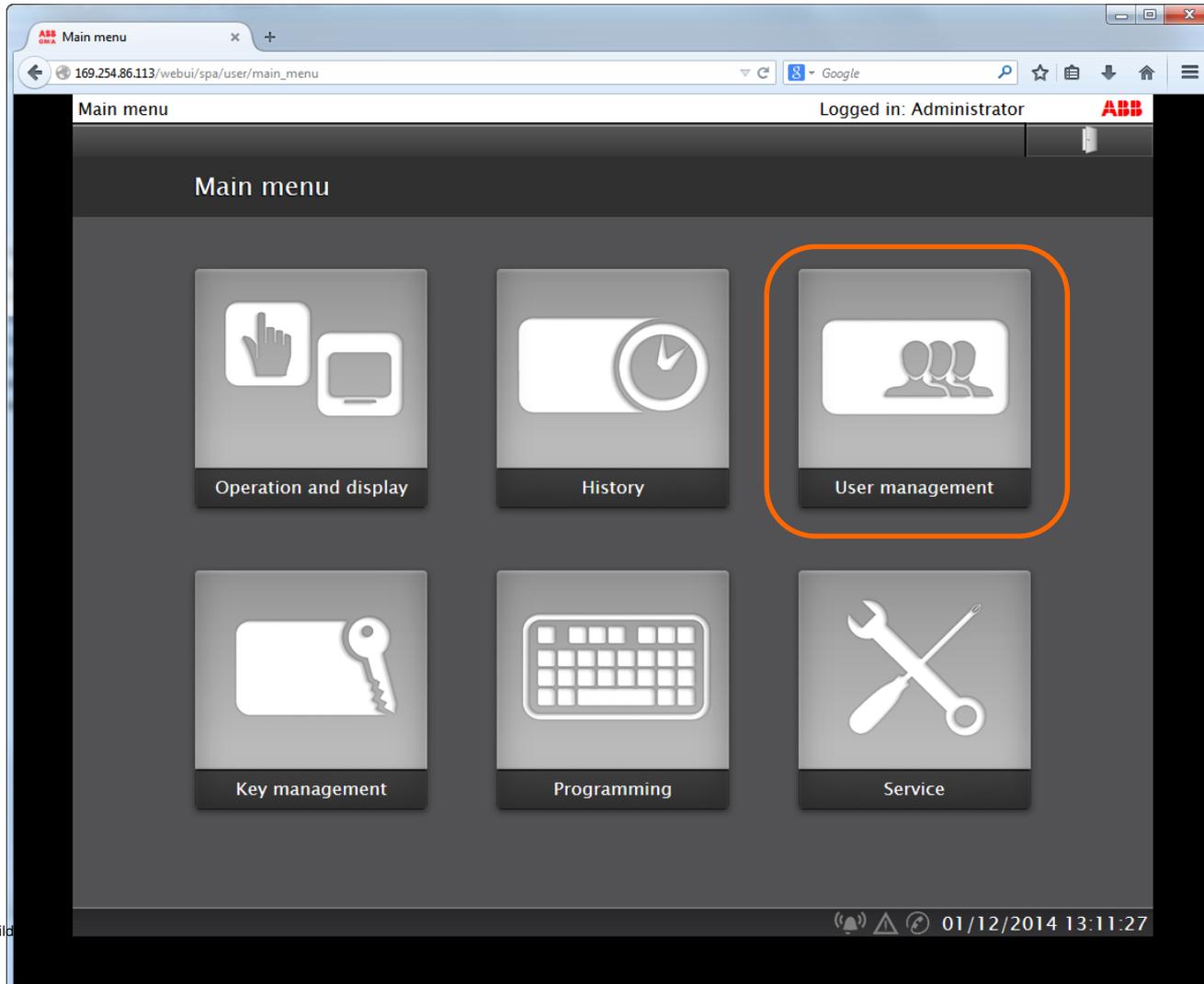
KNX Security Panel GM/A 8.1

Main Menu: 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
GM/A

User management

169.254.216.134/webui/spa/admin/user_management

Main menu » User management

Logged in: Administrator

User management

Add new user

Add new group

Delete all users

Delete all groups

Users		Users	
No.	Name	No.	Name
1	Administrator	3	Benutzer
2	Operator		

User groups	
No.	Description
1	Admin
2	User

max. 25 users

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| 43

01/12/2014 23:49:14

KNX Security Panel GM/A 8.1

Main Menu: User Management

The screenshot displays the ABB User Management web interface. The browser address bar shows the URL `169.254.216.134/webui/spa/admin/user_management`. The page title is "User management" and the user is logged in as "Administrator". The main menu on the left shows "User management" expanded, with "Users" selected and "Operator" highlighted. An orange arrow points to the "Operator" tab in the main content area. The "Operator" user configuration form includes the following fields:

- Username: Operator
- Language: English
- E-mail: [empty]
- Phone: [empty]
- Mobile: [empty]
- SMS-Center: SMS-Center 1

Below these fields is a table for notification preferences:

	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"/>

The "Rights" section includes:

- Programming:
- User manager:
- Key manager:
- Service:

At the bottom, there are checkboxes for "Area 1" through "Area 5", all of which are checked, and a "User group" dropdown menu set to "User".

KNX Security Panel GM/A 8.1

Main Menu: User Management

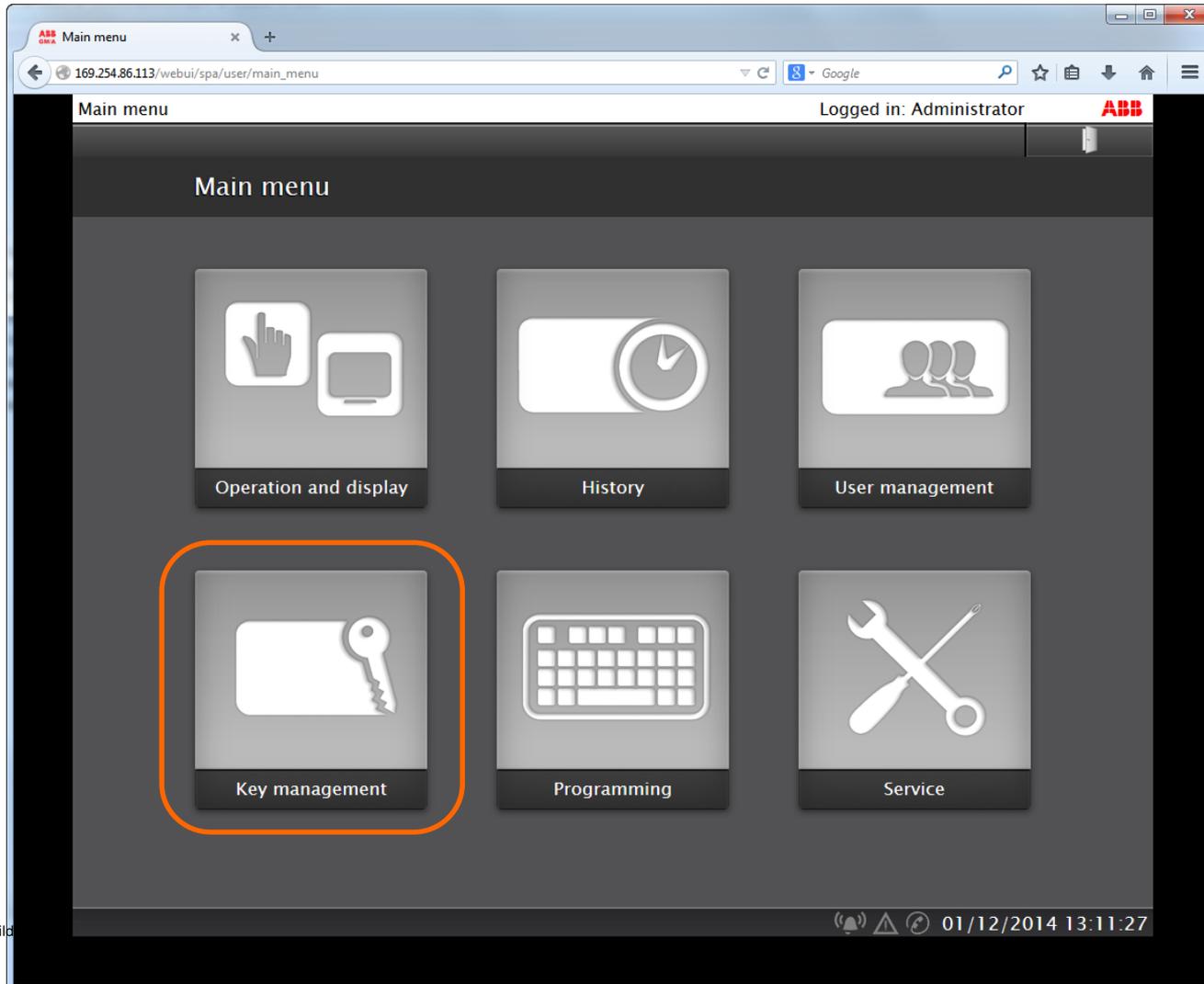
The screenshot shows a web browser window with the URL `169.254.216.134/webui/spa/admin/user_management`. The page title is "User management" and the user is logged in as "Administrator". The main menu on the left includes "User management", "Users", "Groups", "Admin", and "User". The "User" option is highlighted. The main content area displays the configuration for "User group 2".

Property	Value
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"/>

An orange arrow points to the "User group 2" header. A callout box on the right contains the text "max. 10 user groups".

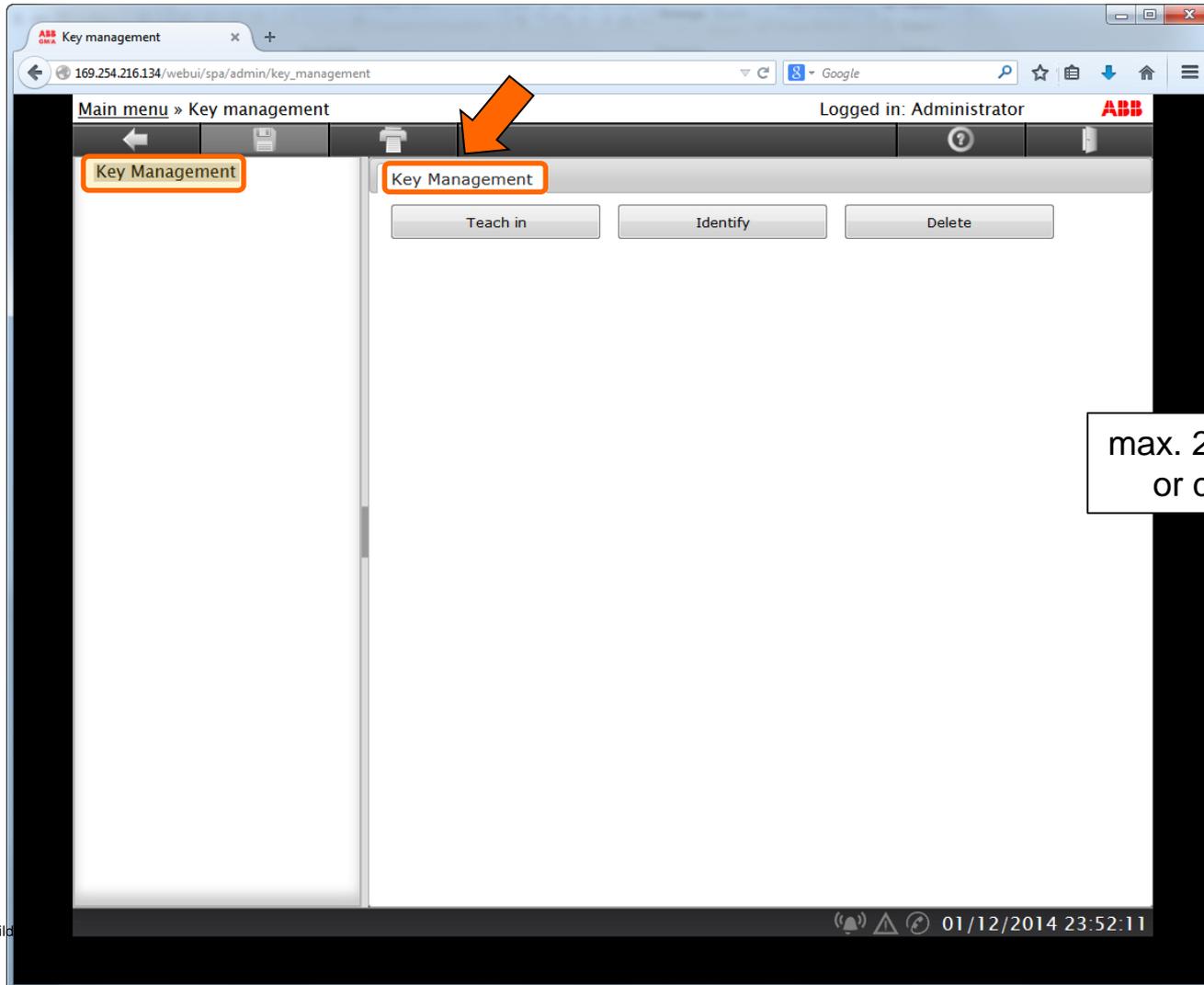
KNX Security Panel GM/A 8.1

Main Menu: Key Management



KNX Security Panel GM/A 8.1

Main Menu: Key Management



Key management

169.254.216.134/webui/spa/admin/key_management

Main menu » Key management

Logged in: Administrator

Key Management

Teach in Identify Delete

max. 250 keys
or codes

KNX Security Panel GM/A 8.1

Main Menu: Key Management



A screenshot of a web browser displaying the ABB Key Management interface. The browser address bar shows '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 content area is titled 'Key Management' and contains three buttons: 'Teach in', 'Identify', and 'Delete'. A modal dialog box is open with the title 'Teach in new keys and codes' and an 'Abort' button at the bottom. The ABB logo is visible in the top right corner of the interface.

KNX Security Panel GM/A 8.1

Main Menu: Key Management



A screenshot of a web browser displaying the ABB Key Management interface. The browser address bar shows '169.254.216.134/webui/spa/admin/key_management'. The page title is 'Key management' and it shows 'Logged in: Administrator'. The main content area has a 'Key Management' header and three buttons: 'Teach in', 'Identify', and 'Delete'. A modal dialog box titled 'Teach in new keys and codes' is open, containing a list of 'Keys and codes' with entries for 'Key 1', 'Code 2', and 'Key 3'. An 'Abort' button is at the bottom of the dialog. The bottom of the browser window shows system icons and the timestamp '01/12/2014 23:54:13'.

KNX Security Panel GM/A 8.1

Main Menu: Key Management



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
- Key 3

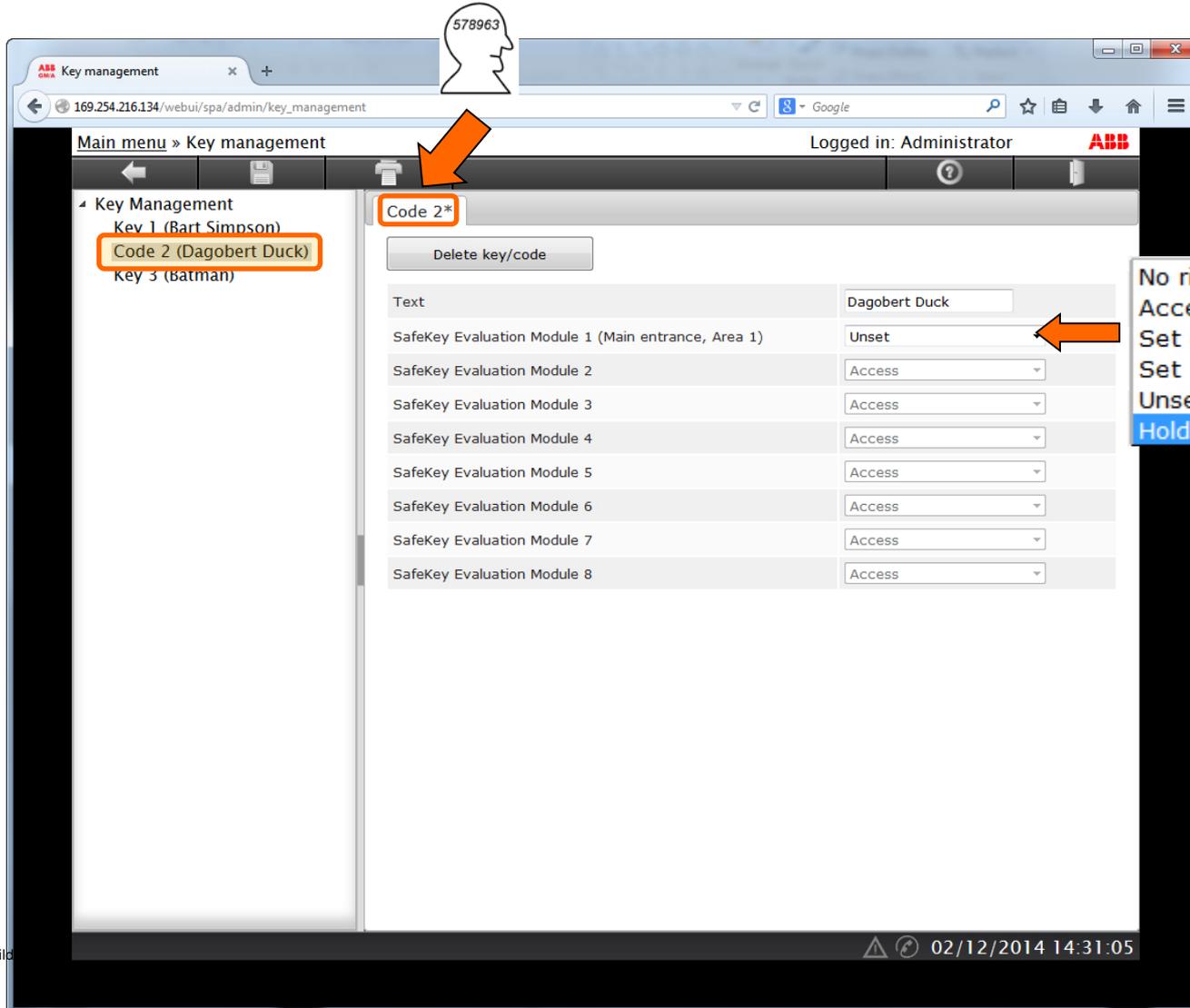
Delete key/code

Text	Access
Bart Simpson	Set or unset
SafeKey Evaluation Module 1 (Main entrance, Area 1)	Access
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

KNX Security Panel GM/A 8.1

Main Menu: Key Management

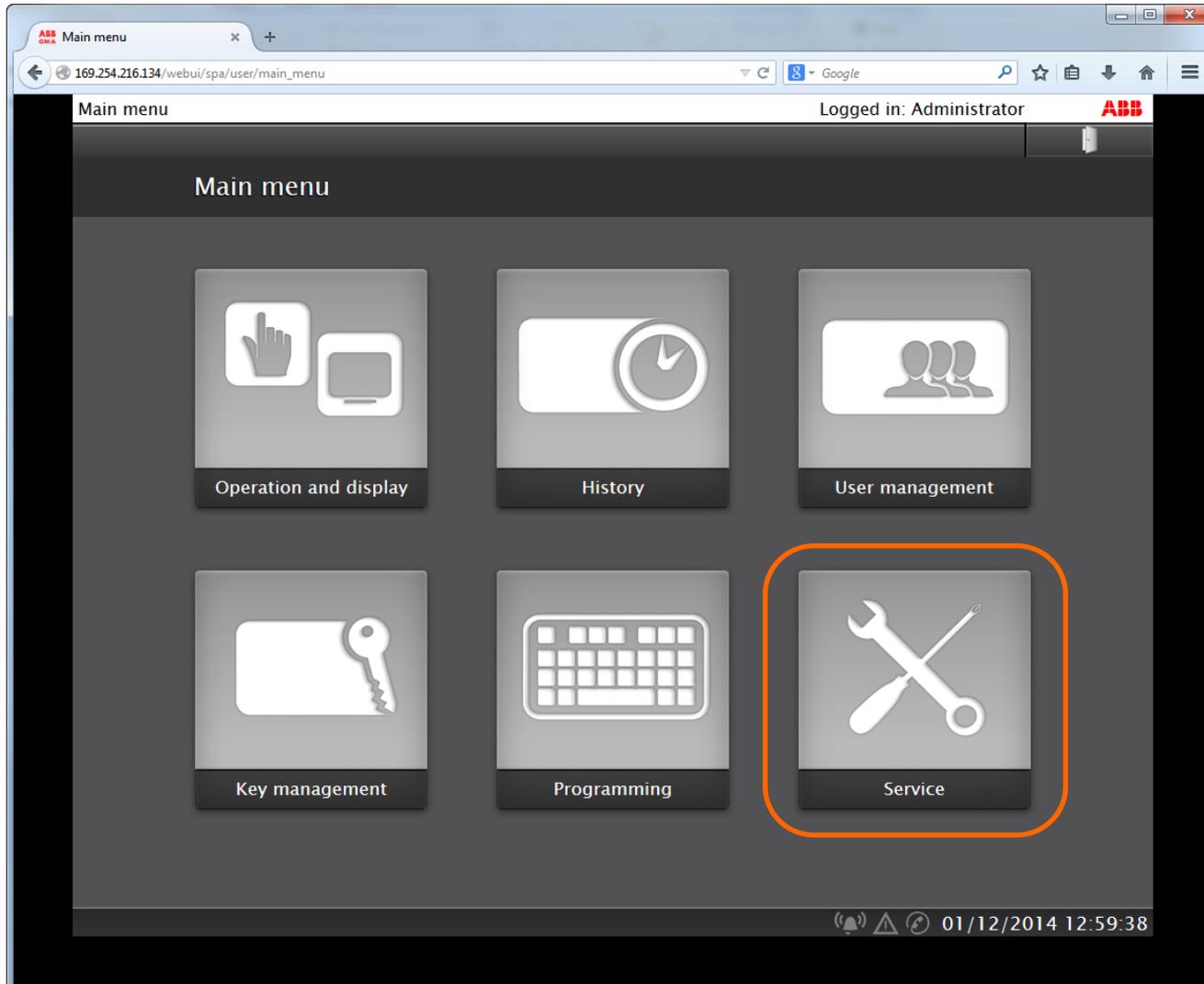


Text	Access
SafeKey Evaluation Module 1 (Main entrance, Area 1)	Unset
SafeKey Evaluation Module 2	Access
SafeKey Evaluation Module 3	Access
SafeKey Evaluation Module 4	Access
SafeKey Evaluation Module 5	Access
SafeKey Evaluation Module 6	Access
SafeKey Evaluation Module 7	Access
SafeKey Evaluation Module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

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

KNX Security Panel GM/A 8.1

Main Menu: Service – coming soon...



KNX Security Panel GM/A 8.1

Main Menu: Service – coming soon...

The screenshot shows a web browser window with the URL `169.254.216.134/webui/spa/admin/service`. The page title is "Service" and the user is logged in as "Administrator". The main menu is visible, with "General" and "Service" tabs. The "Service" tab is highlighted with an orange arrow. The content area shows the following information:

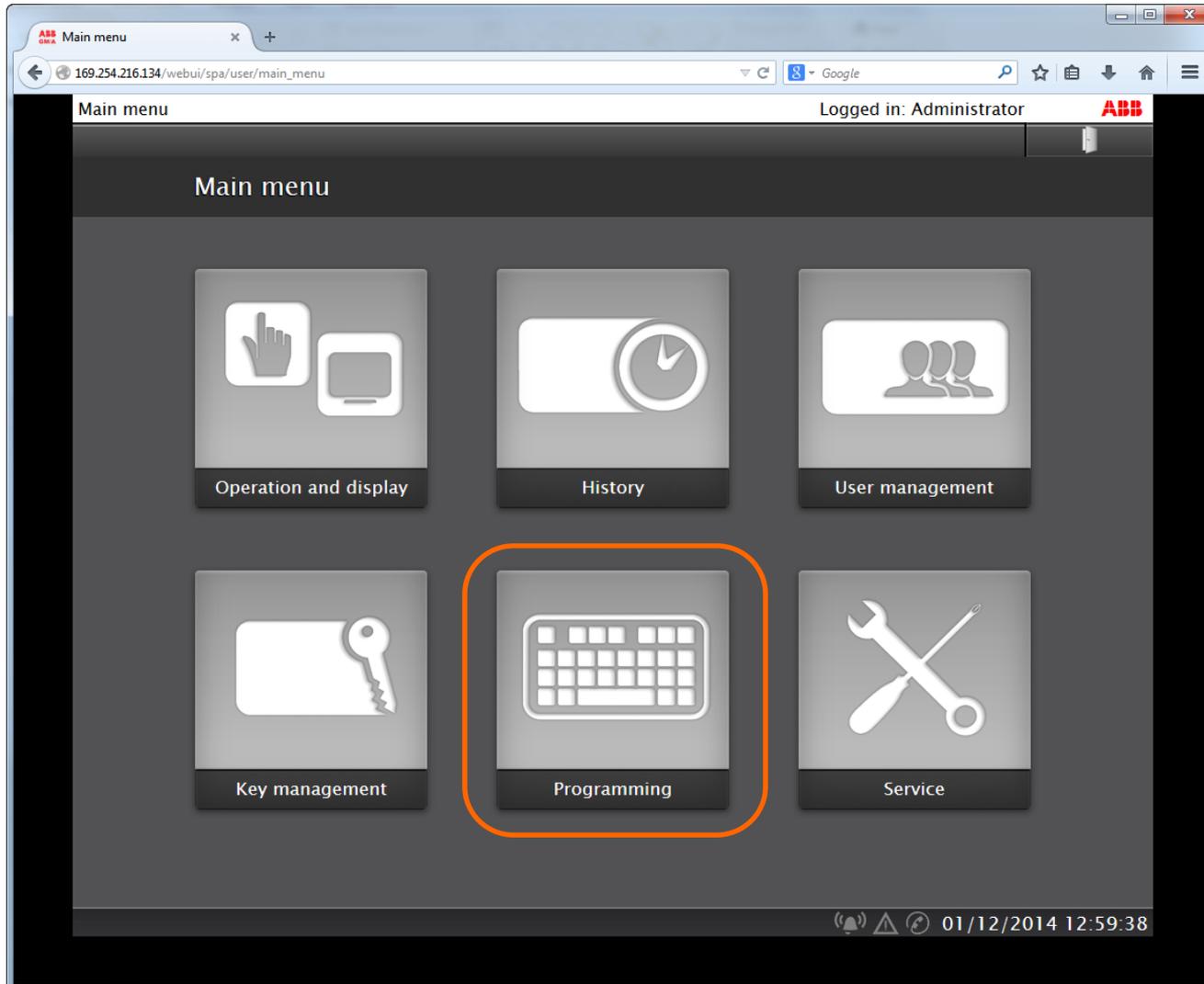
- Last service:** 31 Jan 2014, midnight
- Next service:** 31.07.2014 [Set new service date](#)
- Service Contact Data**

Company:	<input type="text"/>
Address:	<input type="text"/>
City:	<input type="text"/>
Phone:	<input type="text"/>
Contact person:	<input type="text"/>
E-mail:	<input type="text"/>

The bottom of the page shows a status bar with the date and time: 02/12/2014 00:03:29.

KNX Security Panel GM/A 8.1

Main Menu: Programming



KNX Security Panel GM/A 8.1

Programming – System settings: General

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 menu is expanded to 'System settings', with 'General' selected. The main content area shows the 'General' configuration page, which includes sections for System description, System configuration, Firmware, SD-Card, and Web server. An orange arrow points to the 'General' tab in the top navigation bar.

Section	Configuration Options	Actual Version
System description	<not configured>	
System configuration	Restore latest configuration	
	Import configuration	
	Export configuration	
	Restore factory settings	
	Export KNX- configuration	
	Restart panel	
Firmware	Update firmware	Actual Version (Application) 000.005.000603
	Update KNX firmware	Actual Version (Runtime) 1.0.794.50861
		Actual Version (KNX) ready/available
		Actual Version (Web UI) 1.0.5
SD-Card	Insert and mount SD-Card	
Web server	Automatically logout <input type="checkbox"/>	

KNX Security Panel GM/A 8.1

Programming – System settings: Language

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 main menu on the left includes 'System settings', 'Communication settings', 'Areas', 'System components', 'Disable groups', 'Alarming', 'Setting', and 'KNX'. The 'System settings' menu item is highlighted with an orange box. The 'Language' tab is selected and highlighted with an orange box, and an orange arrow points to it from the top. The 'Language' settings page shows the following configuration:

- Standard language: Web user interface: English
- Standard language: Voice dialog: English
- Language packages: Deutsch, English
- Import language package button

The bottom status bar shows the date and time: 01/12/2014 13:12:43. The footer contains the copyright information: © ABB Group, March 19, 2015 | Slide 56.

KNX Security Panel GM/A 8.1

Programming – System settings: Date and Time

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 page title is "Programming" and the user is logged in as "Administrator".

The left sidebar contains a "Main menu" with the following items:

- System settings (highlighted with an orange box)
- Communication settings
- Areas
- System components
- Disable groups
- Alarming
- Setting
- KNX

The main content area has four tabs: "General", "Language", "Date and Time" (highlighted with an orange box and an orange arrow), and "Encryption".

The "Date and Time" settings are as follows:

- Set date and time:** manually (dropdown menu)
- Time zone:** Amsterdam, Berlin, Madrid, Oslo, Paris, Rome (dropdown menu)
- Date:** yyyy-mm-dd (text input field)
- Time:** hh:mm:ss (text input field)
- Set daylight saving time automatically:**

A "Set date and time" button is located at the bottom of the settings form.

The bottom status bar shows the date and time: 01/12/2014 13:13:02. The URL in the bottom left corner is `169.254.86.113/webui/admin/programming/#ui-tabs-6`.

KNX Security Panel GM/A 8.1

Programming – System settings: Encryption

The screenshot displays the web 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 page title is "Programming" and the user is logged in as "Administrator". The main menu on the left includes "System settings", "Communication settings", "Areas", "System components", "Disable groups", "Alarming", "Setting", and "KNX". The "System settings" menu item is highlighted with an orange box. The "Encryption" tab is selected and highlighted with an orange box, and an orange arrow points to it from the top right. The main content area shows the message "SSL certificate is not installed." and three buttons: "Create new certificate", "Import certificate", and "Delete certificate". The bottom status bar displays the date and time "01/12/2014 13:13:16" and the URL `169.254.86.113/webui/admin/programming/#ui-tabs-8`.

KNX Security Panel GM/A 8.1 Programming – Communication settings: Network

The screenshot displays the web 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 page is titled "Main menu » Programming" and shows the user is logged in as "Administrator".

The left sidebar contains a "System settings" menu with "Communication settings" highlighted. The main content area shows the "Network" configuration page, which is selected from a tabbed interface (Network, Modem, E-mail, SMS). The configuration fields are as follows:

Network addressing:	DHCP
IP Address:	169.254.86.113
Subnet mask:	255.255.0.0
Standard gateway:	0.0.0.0
Port:	80
DNS server name:	0.0.0.0

An orange arrow points to the "Network" tab, and an orange box highlights the "Communication settings" menu item.

KNX Security Panel GM/A 8.1

Programming – Communication settings: Modem

The screenshot displays the ABB 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 shows the 'System settings' menu with 'Communication settings' highlighted. The top navigation bar has 'Modem' selected. The main content area shows the 'Modem' settings page with the following parameters:

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"/>

The 'Country specific modem parameters' dropdown menu is open, showing a list of countries: Argentina, Australia, Austria, Belgium, Brazil, Bulgaria, Canada, Chile, China, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany (selected), Greece, Hong Kong, Hungary, and Iceland.

KNX Security Panel GM/A 8.1 Programming – Communication settings: E-mail

The screenshot displays the web 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 page title is "Programming" and the user is logged in as "Administrator".

The navigation menu on the left includes "System settings" and "Communication settings" (highlighted with an orange box). The "Communication settings" menu is expanded, showing "Areas", "System components", "Disable groups", "Alarming", "Setting", and "KNX".

The main content area shows the "E-mail" tab selected, with an orange arrow pointing to it. The "E-mail" tab is also highlighted with an orange box. The "E-mail" settings are organized into two sections:

- E-Mail Account Information**
 - E-Mail address:
 - Username:
 - Password:
- E-Mail Server Information**
 - SMTP server:
 - SMTP port:
 - SMTP method:

The bottom status bar shows the date and time: "01/12/2014 13:49:04".

KNX Security Panel GM/A 8.1 Programming – Communication settings: SMS

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 interface is divided into a left sidebar and a main content area.

Left Sidebar:

- System settings
 - Communication settings** (highlighted with an orange box)
 - Areas
 - System components
 - Disable groups
 - Alarming
 - Setting
 - KNX

Main Content Area:

The main content area has a top navigation bar with tabs for Network, Modem, E-mail, and SMS (highlighted with an orange box and an orange arrow). Below the tabs, there are four sections for configuring SMS-Centers:

- 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

The bottom status bar shows the date and time: 01/12/2014 13:49:15.

KNX Security Panel GM/A 8.1 Programming – Areas: General

The screenshot displays the ABB KNX Security Panel GM/A 8.1 programming interface. The browser address bar shows the URL `169.254.86.113/webui/spa/admin/programming`. The user is logged in as Administrator. The main menu on the left includes 'System settings', 'Communication settings', 'Areas', 'System components', 'Disable groups', 'Alarming', 'Setting', and 'KNX'. The 'Areas' menu item is highlighted with an orange box. The 'General' tab is selected, and an orange arrow points to it. The table below shows the configuration for five areas.

	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 shows a web browser window with the URL `169.254.216.134/webui/spa/admin/programming`. The page title is "Main menu » Programming" and the user is logged in as "Administrator". The left sidebar menu includes "System settings", "Communication settings", "Areas" (highlighted with an orange box), "System components", "Disable groups", "Alarming", "Setting", and "KNX". The main content area has tabs for "General", "Dependencies", "Forced setting", and "Forced unsetting". An orange arrow points to the "General" tab. Below the tabs is a table with the following data:

	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"/>

At the bottom of the browser window, the status bar shows a warning icon, a refresh icon, and the timestamp "01/12/2014 22:15:29".

KNX Security Panel GM/A 8.1 Programming – Areas: Dependencies

The screenshot shows the ABB GM/A 8.1 programming 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 has 'Areas' highlighted. The main content area shows the 'Dependencies' tab selected, with an orange arrow pointing to it. Below the tabs is 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 with three numbered areas. Area 1 is a shaded room labeled 'GM/A'. Area 2 is a larger room containing a table and chairs. Area 3 is a smaller room on the right side of the plan.

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KNX Security Panel GM/A 8.1 Programming – Areas: Forced setting

The screenshot displays the ABB GM/A 8.1 programming 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 has 'Areas' highlighted. The main content area shows the 'Forced setting' tab selected, with a table of area configurations.

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"/>

Below the table is a floor plan diagram with three numbered areas: Area 1 (labeled GM/A), Area 2, and Area 3. The status bar at the bottom shows the date and time: 01/12/2014 13:57:37.

KNX Security Panel GM/A 8.1 Programming – Areas: Forced unsetting

The screenshot shows the ABB KNX GM/A 8.1 programming interface. The browser address bar displays `169.254.86.113/webui/spa/admin/programming`. The user is logged in as Administrator. The left navigation menu is expanded to 'Areas'. The main content area shows the 'Forced unsetting' configuration page, which includes a table and a floor plan diagram.

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"/>			
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"/>

The floor plan diagram shows three areas labeled 1, 2, and 3. Area 1 is a small room labeled 'GM/A'. Area 2 is a larger room containing a table and chairs. Area 3 is a room containing a desk and chair. The diagram is overlaid on the table, showing the physical layout of the areas.

KNX Security Panel GM/A 8.1 Programming – System Components

ABB
GM/A

Programming

169.254.86.113/webui/spa/admin/programming

Main menu » Programming

Logged in: Administrator

Area 1 Area 2 Area 3 Area 4 Area 5

Activate all components Deactivate all components

Address	Type	Text	State
Zone modules:			
Bus motion detectors:			
SafeKey modules:			
Keypads:			
KNX zone inputs:			

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

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March 19, 2015 | Slide 68

01/12/2014 14:02:35

KNX Security Panel GM/A 8.1

Programming – System Components: Panel

ABB GM/A 8.1 Programming

169.254.86.113/webui/spa/admin/programming

Logged in: Administrator

Main menu » Programming

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

Panel

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"/>	Off					
2	Unset	<input type="checkbox"/>	Off					
3	Unset	<input type="checkbox"/>	Off					
4	Unset	<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 14:03:03

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 `169.254.86.113/webui/spa/admin/programming`. The user is logged in as Administrator. The main menu on the left includes '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', and 'KNX'. The 'Inputs' menu item is highlighted with an orange box. The main content area shows a tabbed interface with tabs for 'Input 1' through 'Input 8'. 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 14:03:14.

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 `169.254.86.113/webui/spa/admin/programming`. The user is logged in as Administrator. The main menu on the left includes 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, and KNX. The 'Inputs' menu item is highlighted with an orange box. 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:

Enable input:	<input checked="" type="checkbox"/>
Number:	P_1
Area assignment:	1
Text:	<input type="text"/>
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"/>

The bottom status bar shows the date and time: 01/12/2014 14:03:29.

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 `169.254.86.113/webui/spa/admin/programming`. The user is logged in as Administrator. The left sidebar menu is expanded to 'System components' > 'Panel' > 'Inputs', with 'Inputs' highlighted. The main content area shows the configuration for 'Input 1*'. The 'Text' field is set to 'Window Kitchen'. An orange arrow points from the 'Text' field to a callout box. The callout box contains the text: 'max. 14 characters Text will be taken as the name of the ETS group object !!!'. Below the callout box, the ETS group object address is shown as '208 Window Kitchen Status Panel, zone 1'. The configuration form includes fields for 'Enable input:', 'Number:', 'Area assignment:', 'Input function:', 'Type of monitoring:', 'Alarm behavior:', 'Alarm in unset state:', 'Alarm in internal set state:', 'Alarm in external set state:', and 'Show status via KNX:'. The status bar at the bottom shows the date and time: '01/12/2014 14:05:56'.

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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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 `169.254.86.113/webui/spa/admin/programming`. The user is logged in as Administrator. The main menu on the left shows the navigation path: **System components** > **Panel** > **Inputs**. The main configuration area is titled "Input 1*" and contains the following fields:

- 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 is open, showing the following options:

- 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
- Setting/Unsetting input

The "Magnetic contact" option is highlighted in blue, and a mouse cursor is pointing at it. An orange arrow points from the "Input function" field to the dropdown menu.

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 `169.254.86.113/webui/spa/admin/programming`. The user is logged in as Administrator. The left sidebar menu is expanded to 'System components' > 'Panel' > 'Inputs', with 'Inputs' highlighted. The main content area shows the configuration for 'Input 1*'. The configuration includes:

- 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:

An orange arrow points to the 'Input 1*' tab. A blue callout box with an orange arrow pointing to the 'Type of monitoring' dropdown contains the text: 'Contact with EOL resistor', 'N/C contact with tamper detection', and 'N/C contact'.

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 `169.254.86.113/webui/spa/admin/programming`. The user is logged in as Administrator. The left sidebar menu is expanded to 'System components' > 'Panel' > 'Inputs', with 'Inputs' highlighted. The main content area shows the configuration for 'Input 1*'. The configuration fields are as follows:

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 'Input 1*' tab. Another orange arrow points to the 'Normal' option in the 'Alarm behavior' dropdown menu. A blue callout box on the right lists the available options for 'Alarm behavior':

- 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 KNX Security Panel GM/A 8.1 programming 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 is expanded to 'System components' > 'Panel' > 'Inputs', with 'Inputs' highlighted. The main content area shows the configuration for 'Input 1*'. The configuration fields are as follows:

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"/>

Orange arrows point to the 'Input 1*' tab, the 'Inputs' menu item, and the checkboxes for 'Alarm in unset state', 'Alarm in internal set state', and 'Alarm in external set state'.

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 `169.254.86.113/webui/spa/admin/programming`. The user is logged in as Administrator. The main menu on the left includes 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, and KNX. The 'Inputs' menu item is highlighted. The main content area shows the configuration for 'Input 1*'. The configuration fields are:

- 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:

An orange arrow points to the 'Input 1*' tab. Another orange arrow points to the 'Inputs' menu item. Three orange arrows point to the dropdown menus for 'Disable group for unset state', 'Disable group for internal set state', and 'Disable group for external set state'. A dropdown menu is open, showing a list of disable groups: Disable group 1, Disable group 2, Disable group 3, Disable group 4, Disable group 5, a vertical ellipsis, Disable group 18, Disable group 19, and Disable group 20.

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 `169.254.86.113/webui/spa/admin/programming`. The user is logged in as Administrator. The main menu on the left includes 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, and KNX. The 'Inputs' menu item is highlighted. The main content area shows the configuration for 'Input 1*'. The configuration fields are as follows:

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"/>

Two orange arrows are present: one pointing to the 'Input 1*' tab and another pointing to the 'Show status via KNX' checkbox.

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 main menu is expanded to show the 'System components' section, with 'Panel' and 'Inputs' highlighted. The 'Input 1' tab is selected, and the configuration details are shown in the main area. The configuration includes:

- 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: Disable group 4
- Alarm in external set state:
- Disable group for external set state: ---
- Show status via KNX:
- With alarm memory:
- KNX object number: 208

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

KNX Security Panel GM/A 8.1

Programming – System Components: Panel Outputs

The screenshot displays the ABB KNX Security Panel GM/A 8.1 programming interface. The browser address bar shows the URL `169.254.86.113/webui/spa/admin/programming`. The user is logged in as Administrator. The main menu on the left includes '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', and 'KNX'. The 'Outputs' menu item is highlighted with a yellow box. The main content area shows a tabbed interface with 'Output 1', 'Output 2', 'Output 3', and 'Output 4'. The 'Output 1' tab is selected and highlighted with a yellow box. An orange arrow points to the 'Output 1' tab. Below the tabs, there is a section labeled 'Enable output:' with a checkbox that is currently unchecked. The bottom status bar shows the date and time: 01/12/2014 14:36:36.

KNX Security Panel GM/A 8.1

Programming – System Components: Panel Outputs

The screenshot shows the ABB KNX Security Panel GM/A 8.1 programming 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 shows the navigation menu with 'System components' > 'Panel' > 'Outputs' selected. The main content area shows the configuration for 'Output 1*'. The 'Device state' dropdown menu is open, 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
- Fault

The 'Assignment' section shows the following options:

- Panel
- Area 1
- Area 2
- Area 3
- Area 4
- Area 5

The 'Flashing' section has an unchecked checkbox.

KNX Security Panel GM/A 8.1

Programming – System Components: Panel

Main menu » Programming Logged in: Administrator

System components

- 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

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		

01/12/2014 14:53:51

KNX Security Panel GM/A 8.1

Programming – System Components: Zone Modules

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' and it shows 'Logged in: Administrator'. The left sidebar menu has 'Zone modules' highlighted. The main content area has a 'Zone modules' header with an orange arrow pointing to it. Below the header are buttons for 'Activate all modules', 'Deactivate all modules', 'Delete all modules', 'Start scan mode', and 'Add new module'. A table with columns 'Address', 'Type', 'State', and 'Area' is visible but empty.

max. 32 Zone modules

KNX Security Panel GM/A 8.1

Programming – System Components: Zone Modules



The screenshot shows the programming web 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 main menu on the left includes "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", and "KNX". The "Zone modules" menu item is highlighted with an orange box. An orange arrow points to the "Zone modules" button in the main content area. Below this button are buttons for "Activate all modules", "Deactivate all modules", "Delete all modules", "Start scan mode", and "Add new module". A modal dialog box titled "Scan mode" is open, displaying the message "Scan mode is running..." and "Modules found:" followed by a table:

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

The dialog box also has an "Abort" button at the bottom right. The status bar at the bottom of the interface shows 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 programming web 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 main menu is expanded to show 'System components' > 'Panel' > 'Zone modules', which is highlighted with an orange box. An orange arrow points to the 'Zone modules' link in the main menu. The 'Zone modules' page 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 data:

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

The bottom of the interface shows system icons and the timestamp `01/12/2014 14:43:23`.

KNX Security Panel GM/A 8.1

Programming – System Components: Zone Modules



The screenshot shows 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, with "System components" expanded and "Zone modules" selected. The "4-fold (MG/E 4.4.1): 1" option is highlighted. The main content area shows the configuration for this module, with the "General" tab selected. The configuration includes fields for Text, Type (4-fold (MG/E 4.4.1)), Address (1), Area assignment (Area 1), and State (Deactivated). There is an "Activate" button and a "Delete module" button. Below the configuration are two tables: "Inputs" and "Outputs".

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

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

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 navigation menu with "System components" expanded to "Zone modules", where "4-fold (MG/E 4.4.1): 1" is selected. The main content area shows tabs for "General", "Input 1", "Input 2", "Input 3", "Input 4", "Output 1", and "Output 2". The "Input 1" tab is active, and the "Enable input:" checkbox is visible. An orange arrow points to the "Input 1" tab, and an orange box highlights the "4-fold (MG/E 4.4.1): 1" menu item. 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 KNX programming web interface. The browser address bar shows '169.254.86.113/webui/spa/admin/programming'. The user is logged in as 'Administrator'. The left sidebar shows a navigation menu with 'System components' expanded to 'Zone modules', where '4-fold (MG/E 4.4.1): 1' is selected. The main content area shows the configuration for 'Input 1*'.

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

Output 3

Enable input:	<input checked="" type="checkbox"/>
Number:	MGT_1_1
Area assignment:	1
Text:	<input type="text"/>
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"/>

KNX Security Panel GM/A 8.1

Programming – System Components: Bus Motion Det.

A screenshot of the ABB GM/A 8.1 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 the user is logged in as 'Administrator'. The left sidebar contains a tree view of system components, with 'Bus motion detectors' highlighted. The main content area shows a 'Bus motion detectors' section with buttons for 'Activate all detectors', 'Deactivate all detectors', 'Delete all detectors', 'Start teaching mode', 'Add new motion detector', and 'Recalibrate Anti-Mask'. Below these buttons is a table with columns for 'Address', 'Type', 'State', and 'Area'.

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

max. 64 Bus motion detectors

KNX Security Panel GM/A 8.1

Programming – System Components: Bus Motion Det.



The screenshot shows the ABB KNX Security Panel 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 is expanded to 'System components', with 'Bus motion detectors' highlighted. An orange arrow points to the 'Bus motion detectors' tab in the main content area. 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 with columns 'Address', 'Type', 'State', and 'Area' is visible. A 'Teaching mode' dialog box is open, displaying 'Teaching mode is running...' and a 'Finish' button. The bottom status bar shows the date and time: 01/12/2014 15:00:43.

KNX Security Panel GM/A 8.1

Programming – System Components: Bus Motion Det.



The screenshot shows the programming web 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 menu is expanded to 'System components', with 'Bus motion detectors' selected and highlighted. An orange arrow points to the 'Bus motion detectors' link in the sidebar. The main content area displays the 'Bus motion detectors' configuration page, which includes buttons for 'Activate all detectors', 'Deactivate all detectors', 'Delete all detectors', 'Start teaching mode', 'Add new motion detector', and 'Recalibrate Anti-Mask'. A modal dialog box is open, titled 'Teaching mode', with the message 'Teaching mode is running...'. Below the message, it lists 'Detectors found:' with a table showing one detector found:

Address	Type
1	Infrared detector (IR/XC)

The dialog box also has a 'Finish' button at the bottom right. The bottom status bar shows the date and time: 01/12/2014 15:02:31.

KNX Security Panel GM/A 8.1

Programming – System Components: Bus Motion Det.



The screenshot shows the ABB KNX Security Panel 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 is expanded to show 'System components' > 'Zone modules' > 'Bus motion detectors', which is highlighted with an orange box. An orange arrow points to the 'Bus motion detectors' link in the top navigation bar, which is also highlighted with an orange box. The main content area displays controls for bus motion detectors, including buttons for 'Activate all detectors', 'Deactivate all detectors', 'Delete all detectors', 'Start teaching mode', 'Add new motion detector', and 'Recalibrate Anti-Mask'. Below these buttons is a table with the following data:

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

The bottom status bar shows the date and time: 01/12/2014 15:02:44.

KNX Security Panel GM/A 8.1

Programming – System Components: Bus Motion Det.

A screenshot of a web browser displaying the ABB KNX programming interface. The browser address bar shows '169.254.86.113/webui/spa/admin/programming'. The page title is 'Programming' and it shows 'Logged in: Administrator'. The left sidebar contains a navigation menu with 'System components' expanded to 'Bus motion detectors', where 'Infrared detector (IR/XC): 1' is 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), and 'Area assignment' (Area 1). The 'State' is 'Deactivated' with an 'Activate' button. There are also buttons for 'Delete detector', 'Teach in', and 'Recalibrate Anti-Mask'. An orange arrow points to the printer icon in the top navigation bar, and another orange box highlights the selected menu item 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
 - 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 shows 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 is expanded to 'System components' > 'Bus motion detectors', with 'Infrared detector (IR/XC): 1' selected. The main content area shows the 'Parameters' tab for this detector. An orange arrow points to the 'Parameters' tab, and an orange box highlights the selected menu item.

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

Main menu » Programming

Logged in: Administrator

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

Main menu » Programming

Logged in: Administrator

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 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
- 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



Main menu » Programming

Logged in: Administrator

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"/>

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

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

Enable input:	<input checked="" type="checkbox"/>
Number:	EDF_1_1
Area assignment:	1
Text:	<input type="text"/>
Input function:	Door 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"/>

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



The screenshot shows the ABB KNX 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 is expanded to 'System components', with 'Keypads' selected and highlighted by an orange box. An orange arrow points from the 'Keypads' menu item to the 'Keypads' sub-header in the main content area. The main content area features several control buttons: 'Activate all keypads', 'Deactivate all keypads', 'Delete all keypads', 'Start scan mode', and 'Add new keypad'. Below these buttons is a table header with columns for 'Address', 'State', and 'Area'. A text box on the right side of the interface contains the text 'max. 5 Keypads'. The bottom status bar shows the date and time: '01/12/2014 15:09:27'.

KNX Security Panel GM/A 8.1

Programming – System Components: Keypads



The screenshot shows the ABB KNX Programming web interface. The browser address bar displays `169.254.86.113/webui/spa/admin/programming`. The page title is "Programming" and the user is logged in as "Administrator". The left sidebar menu is expanded to "System components" and "Keypads" is highlighted. The main content area shows the "Keypads" configuration page with buttons for "Activate all keypads", "Deactivate all keypads", "Delete all keypads", "Start scan mode", and "Add new keypad". 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 an "Ok" button is visible.

KNX Security Panel GM/A 8.1

Programming – System Components: Keypads



The screenshot shows the ABB KNX 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 menu is expanded to "System components" and "Keypads" is highlighted. The main content area shows the "Keypads" configuration page with the following controls:

- Buttons: "Activate all keypads", "Deactivate all keypads", "Delete all keypads", "Start scan mode", and "Add new keypad".
- Table:

Address	State	Area
1	Deactivated	1

The status bar at the bottom of the interface 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 GM/A 8.1 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 the user is logged in as 'Administrator'. The left sidebar contains a navigation menu with 'System components' expanded to 'Keypads', where 'Keypad (BT/A 1.1): 1' is selected. The main content area shows the configuration for 'Keypad 1' with fields for 'Text' (Keypad 1), 'Address' (1), and 'Area assignment' (Area 1). The 'State' is 'Deactivated' with an 'Activate' button. A 'Delete keypad' button is also present. An orange arrow points to the 'Keypad 1' tab, and an orange box highlights the selected item in the sidebar. 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

Keypad 1 Parameters

Language: English

Function keys

Function	Setting	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	Function	Without entering PIN
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

ABB

01/12/2014 15:10:19

Keypad (BT/A 1.1): 1

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

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

Keypad 1 Parameters

Language: English

Function keys Without entering PIN

Setting	Value	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	Function	Without entering PIN
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"/>

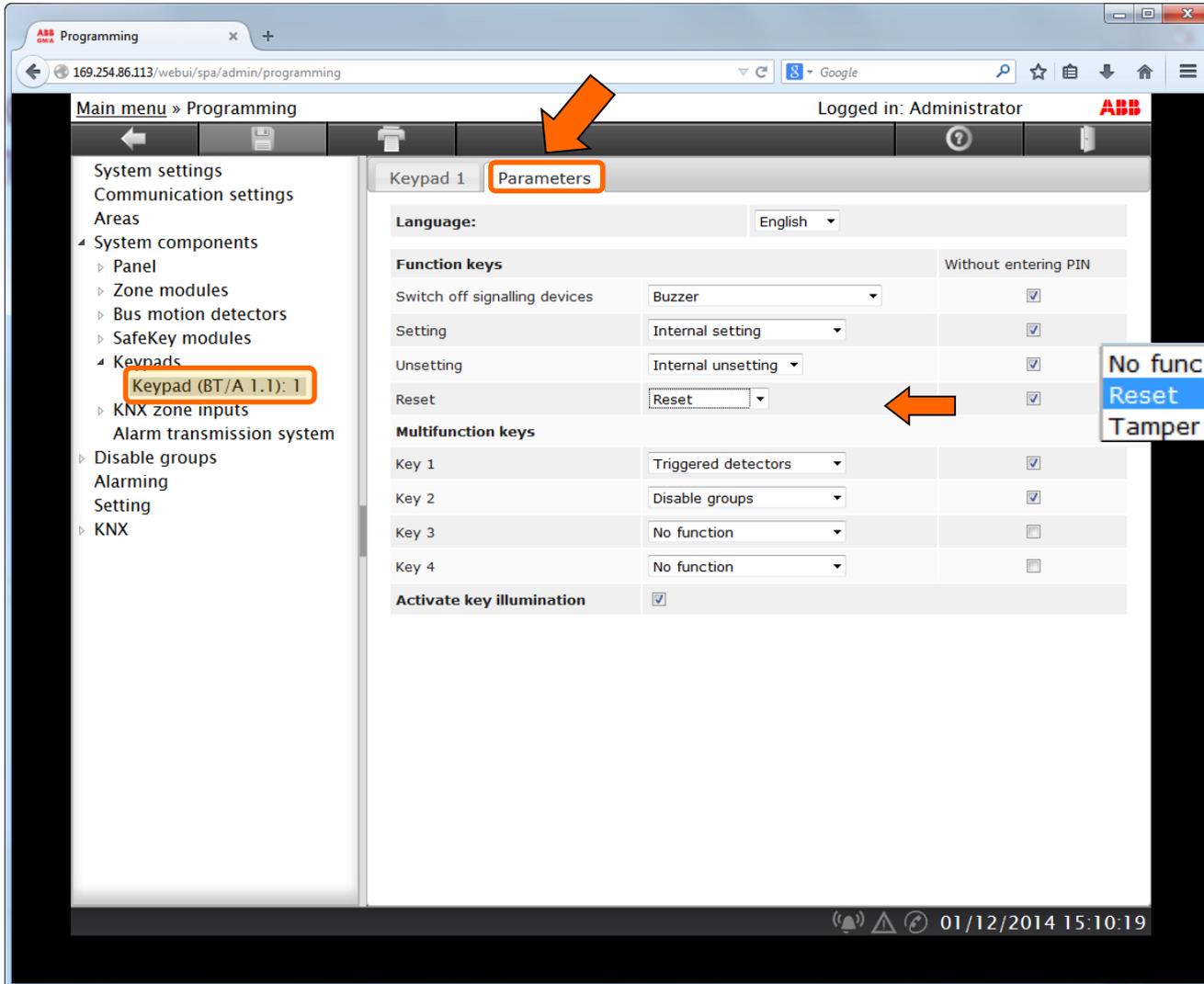
Activate key illumination

No function
Internal unsetting
External unsetting

01/12/2014 15:10:19

KNX Security Panel GM/A 8.1

Programming – System Components: Keypads



Main menu » Programming

Logged in: Administrator

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		<input checked="" type="checkbox"/>

No function
Reset
Tamper reset

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		<input checked="" type="checkbox"/>

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

01/12/2014 15:10:19

KNX Security Panel GM/A 8.1

Programming – System Components: KNX Zone Inp.

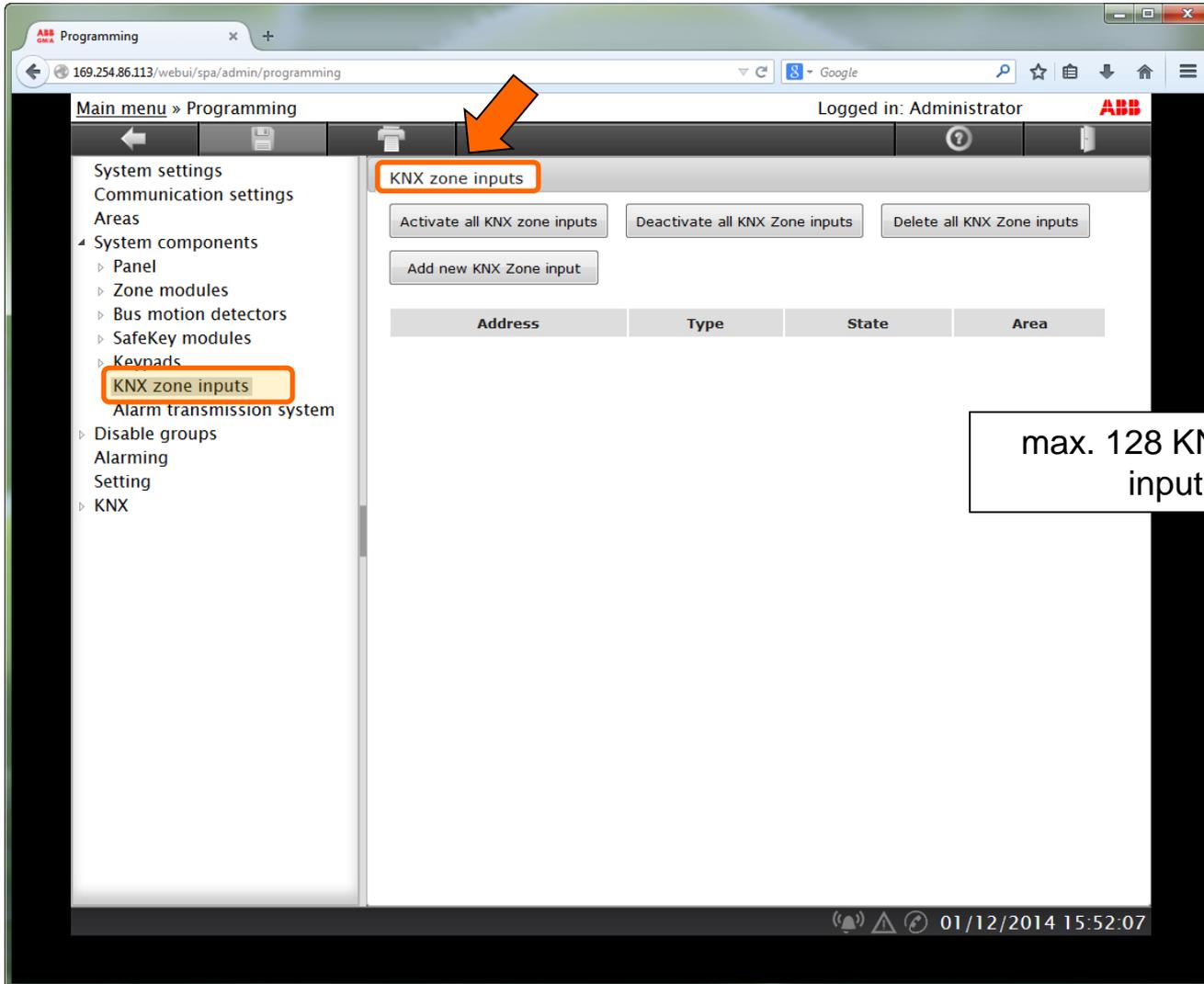


ABB Programming

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**
- 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
---------	------	-------	------

max. 128 KNX zone inputs

01/12/2014 15:52:07

KNX Security Panel GM/A 8.1

Programming – System Components: KNX Zone Inp.

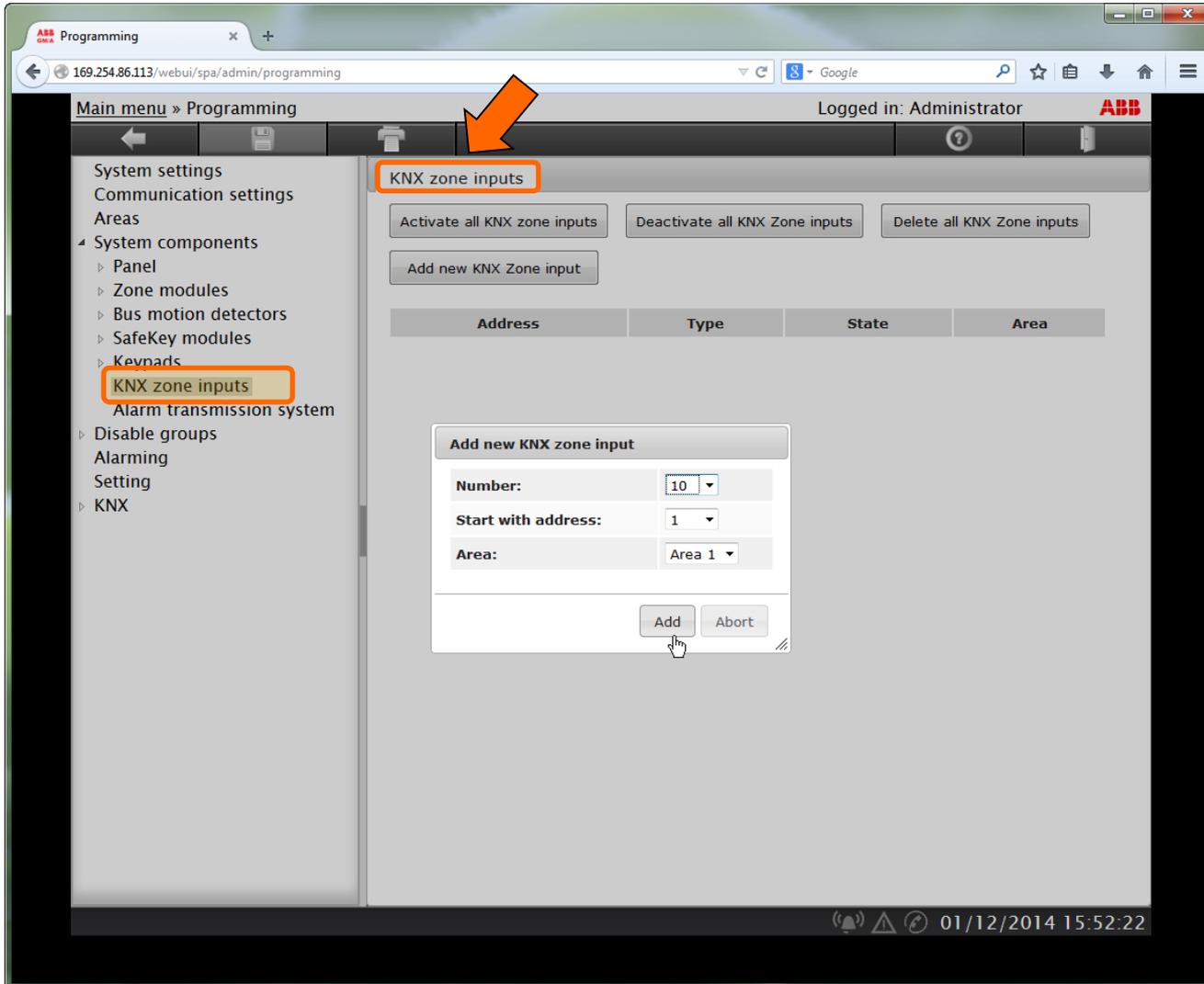


ABB Programming

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**
- 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.



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

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 !!!

Text:	Wind. washroom
Address	1
Area assignment:	Area 1
State	Deactivated

424 Wind. washroom KNX zone 1

01/12/2014 22:06:14

KNX Security Panel GM/A 8.1

Programming – System Components: KNX Zone Inp.



Main menu » Programming

Logged in: Administrator

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

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 programming interface. The top screenshot shows the 'Programming' page with the 'Disable Group' option highlighted in the main menu and the 'Disable groups' option selected in the left-hand navigation tree. An orange arrow points to the 'Disable Group' button in the main menu. The bottom screenshot shows the 'Area 1' status page, where the 'Disable groups' button is highlighted with an orange arrow. The interface includes a main menu, a left-hand navigation tree, and a central area for selecting and managing groups. The bottom status bar shows the date and time as 01/12/2014 21:45:58.

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ABB

KNX Security Panel GM/A 8.1 Programming – Disable Groups

The screenshot shows the ABB KNX Programming web interface. The browser address bar displays `169.254.216.134/webui/spa/admin/programming`. The page title is "Programming" and the user is logged in as "Administrator". The main menu on the left includes "System settings", "Communication settings", "Areas", "System components", "Disable groups", "Group 1" through "Group 20", "Alarming", "Setting", and "KNX". The "Disable groups" menu item is expanded, and "Group 4" is selected. The "Overview" tab is active, showing the "Show zone inputs" section with three checkboxes: "Disabled for unset:" (checked), "Disabled for internal set:" (checked), and "Disabled for external set:" (checked). Below this is a table of zone inputs:

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

The status bar at the bottom right shows the date and time: 01/12/2014 21:46:30.

KNX Security Panel GM/A 8.1 Programming – Disable Groups

ABB
GM/A

Programming

169.254.86.113/webui/spa/admin/programming

Main menu > Programming

Logged in: Administrator

ABB

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

Overview Parameters

Text	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"/>

01/12/2014 16:02:58

KNX Security Panel GM/A 8.1 Programming – Alarming

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

General Unset Internally set Externally set

Assignment internal siren (Panel):

- Area 1
- Area 2
- Area 3
- Area 4
- Area 5

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):

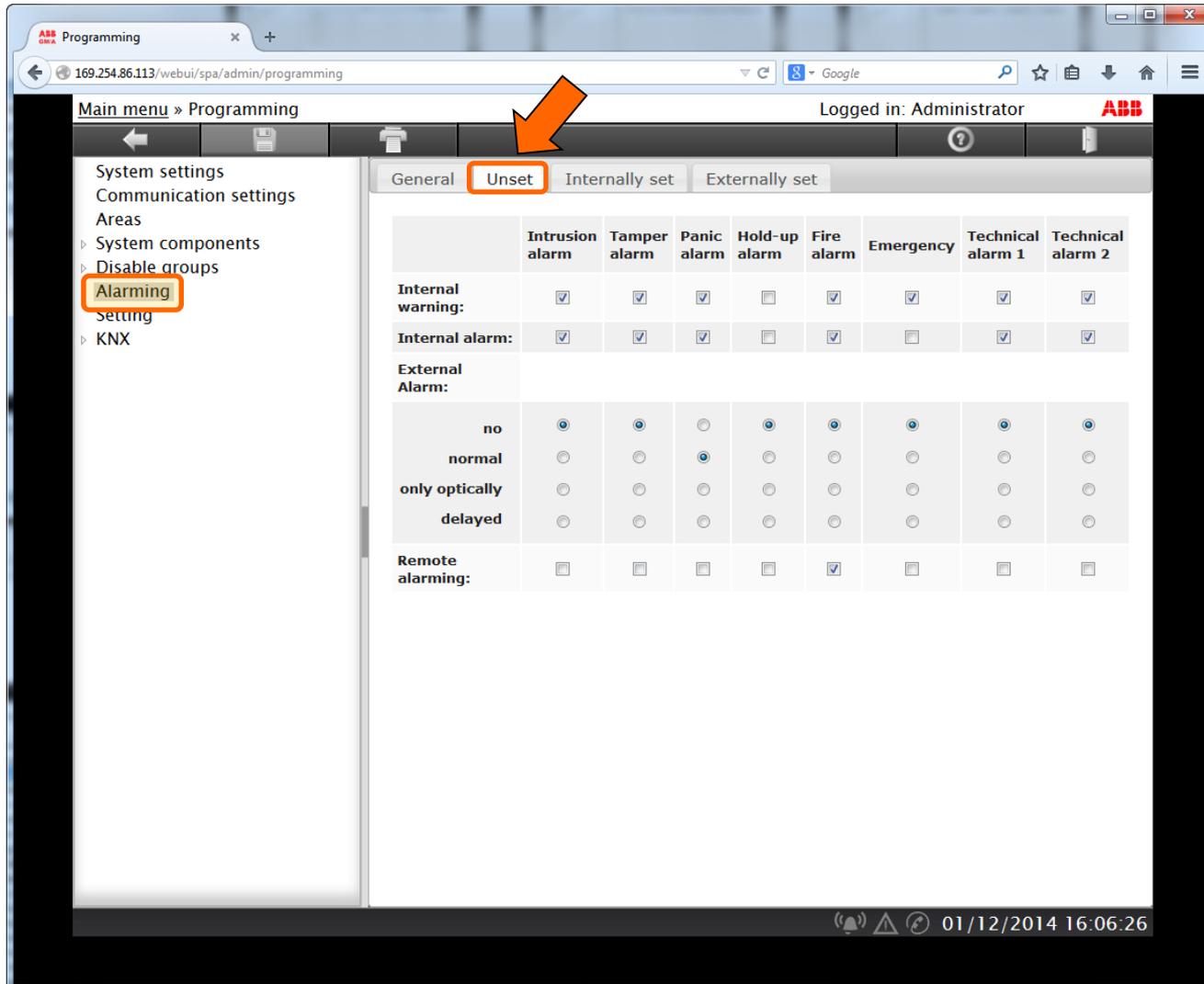
Trigger fire alarm via Web interface:

Trigger emergency via Web interface:

Trigger panic alarm via Web interface:

01/12/2014 16:04:09

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 main content area is titled 'General' and has three tabs: 'Unset' (highlighted with an orange arrow), 'Internally set', and 'Externally set'. 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"/>

KNX Security Panel GM/A 8.1 Programming – Alarming

The screenshot shows 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 menu is expanded to show the 'Alarming' option, which is highlighted with an orange box. An orange arrow points to the 'Internally set' tab in the main content area.

The main content area displays the 'Alarming' configuration page with the following 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 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

ABB GM/A 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

General Unset Internally set **Externally set**

	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 Alarming:								
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"/>				
delayed	<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"/>

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March 19, 2015 | Slide 123

01/12/2014 16:06:38

KNX Security Panel GM/A 8.1 Programming – Setting

ABB
GM/A

Programming

169.254.86.113/webui/spa/admin/programming

Main menu » Programming

Logged in: Administrator

Setting

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

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"/>

01/12/2014 16:07:38

KNX Security Panel GM/A 8.1 Programming – KNX

The screenshot displays the ABB KNX 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" and the user is logged in as "Administrator". The left sidebar menu includes "System settings", "Communication settings", "Areas", "System components", "Disable groups", "Alarming", "Setting", "KNX", and "Scene control". The "KNX" menu item is highlighted with an orange box. The main content area shows the "KNX - General" settings page. The "Communication behavior" dropdown menu is set to "No communication" and is also highlighted with an orange box. An orange arrow points to the "KNX" menu item, and another orange arrow points to the "Communication behavior" dropdown.

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

ABB

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

KNX - General*

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

01/12/2014 16:12:29

KNX Security Panel GM/A 8.1 Programming – KNX Scene Control

The screenshot displays the ABB KNX Programming web interface. The browser address bar shows the URL `169.254.86.113/webui/spa/admin/programming`. The page title is "Programming" and the user is logged in as "Administrator". The main menu on the left includes "System settings", "Communication settings", "Areas", "System components", "Disable groups", "Alarming", "Setting", and "KNX". The "KNX" menu is expanded, and "Scene control" is highlighted with an orange box. The top navigation bar shows "Area 1", "Area 2", "Area 3", "Area 4", and "Area 5", with "Area 1" selected and highlighted by an orange box and an orange arrow. The main content area contains the text "Activate scene control:" followed by a checkbox. The bottom status bar shows the date and time "01/12/2014 16:13:08".

KNX Security Panel GM/A 8.1 Programming – KNX Scene Control

The screenshot shows the ABB KNX Security Panel GM/A 8.1 programming interface. The browser address bar shows the URL `169.254.86.113/webui/spa/admin/programming`. The user is logged in as Administrator. The main menu is expanded to 'Programming', and the 'Scene control' option is selected. The 'Area 1' tab is active, and the 'Prealarm' dropdown menu is open, showing a list of options.

Setting	Value
Activate scene control:	<input checked="" type="checkbox"/>
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

The 'Prealarm' dropdown menu is open, 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
- Fault

KNX Security Panel GM/A 8.1

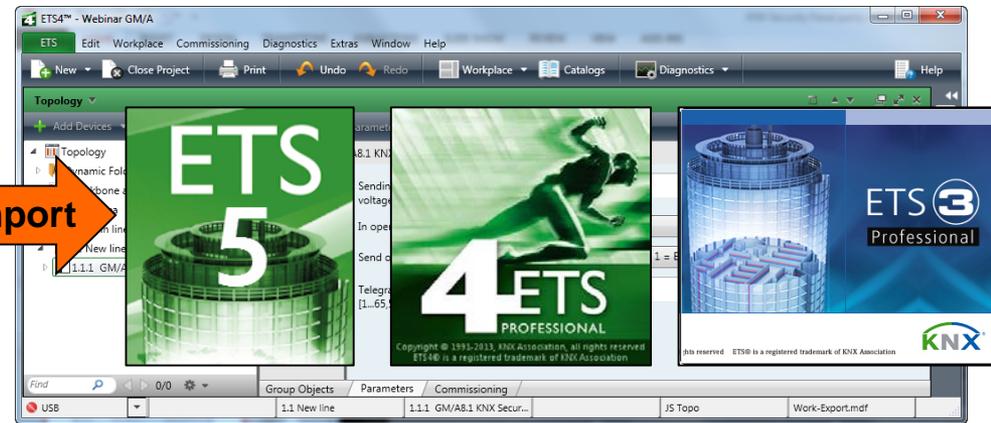
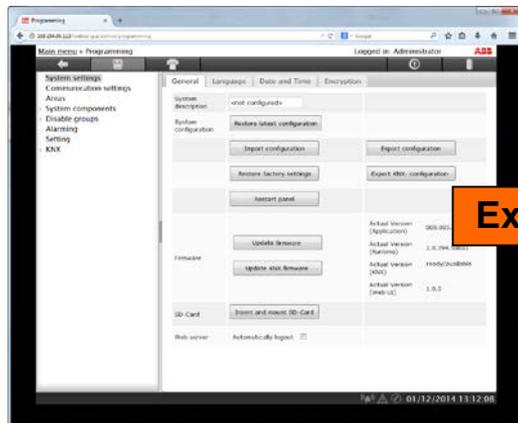
KNX and ETS



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“



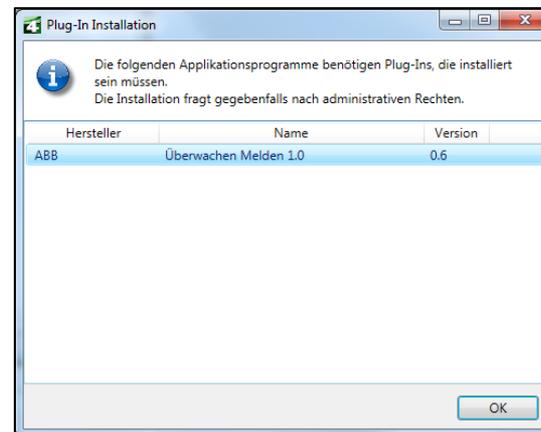
KNX Security Panel GM/A 8.1

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 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" and the user is logged in as "Administrator".

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

- System settings (highlighted with an orange box)
- Communication settings
- Areas
- System components
- Disable groups
- Alarming
- Setting
- KNX

The main content area is titled "General" (highlighted with an orange box) and includes tabs for "Language", "Date and Time", and "Encryption". The "General" tab contains the following configuration options:

- System description:
- System configuration:
 - Restore latest configuration
 - Import configuration
 - Export configuration
 - Restore factory settings
 - Export KNX- configuration (highlighted with an orange arrow)
 - Restart panel
- Firmware:
 - Update firmware
 - Update KNX 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
- SD-Card:
- Web server: Automatically logout

The bottom status bar shows the date and time: 01/12/2014 13:12:08.



KNX Security Panel GM/A 8.1

Programming – System settings: Export KNX Config.

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 'System settings' highlighted. The main content area shows the 'General' tab selected, with an orange arrow pointing to it. The 'General' tab includes sections for System description, System configuration (with buttons for 'Restore latest configuration', 'Import configuration', 'Restore factory settings', and 'Export configuration'), and SD-Card (with an 'Insert and mount SD-Card' button). A modal dialog box titled 'Export configuration' is open, displaying a loading spinner and the message 'Please wait, ECU configuration is being prepared...'. The right side of the interface shows version information: Actual Version (Application) 000.005.000603, Actual Version (Runtime) 1.0.794.50861, Actual Version (KNX) 1.0.5, and Actual Version (Web UI) 1.0.5. The bottom status bar shows the date and time: 01/12/2014 16:21:54.

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 is titled "Main menu » Programming" and shows the user is "Logged in: Administrator".

The left sidebar contains a navigation menu with "System settings" highlighted. Under "System settings", there are sub-menus for "Communication settings", "Areas", "System components", "KNX zone inputs", and "Alarm transmission system".

The main content area has tabs for "General", "Language", "Date and Time", and "Encryption". The "General" tab is active. It contains a "System description" field with the value "<not configured>". Below this is a "System" section with a "Restore latest configuration" button. A status message indicates "Status of the last configuration: No backup file". There are two buttons: "Export configuration" and "Export KNX configuration".

A file download dialog is open in the foreground, titled "Opening ecu_configuration_not_configured.bin". It shows the file name "ecu_configuration_not_configured.bin" (42.2 KB) from the URL "http://169.254.86.113". The dialog asks "What should Firefox do with this file?" and has 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.

At the bottom of the page, there is a footer with 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. 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 'System settings' highlighted. The main content area shows the 'General' tab selected, with an orange arrow pointing to it. The 'General' tab includes fields for 'System description' (set to '<not configured>') and a 'Restore latest configuration' button. Below these is a message: 'Opening ecu_configuration_not_configured.bin' and 'Status of the last configuration: No backup file'. An 'Export configuration' button is visible. A file save dialog is open in the foreground, showing the file name 'ecu_configuration_gma_07.bin' and the save type '*.bin'. The dialog is set to save in the 'Downloads' folder.

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ABB

KNX Security Panel GM/A 8.1

KNX and ETS – Parameter



ETS4™ - Webinar GM/A

ETS Edit Workplace Commissioning Diagnostics Extras Window Help

Topology

Device: 1.1.1 GM/A8.1 KNX Security Panel

General

Sending and switching delay after bus voltage recovery in s [2...255] 2

In operation Yes

Send object value Cyclical: 0 = OK, 1 = Error

Telegram repeated every [1...65,535] s 60

Group Objects Parameters Commissioning

1.1 New line 1.1.1 GM/A8.1 KNX Secur... JS Topo Work-Export.mdf

ETS4™ - Webinar GM/A

ETS Edit Workplace Commissioning Diagnostics Extras Window Help

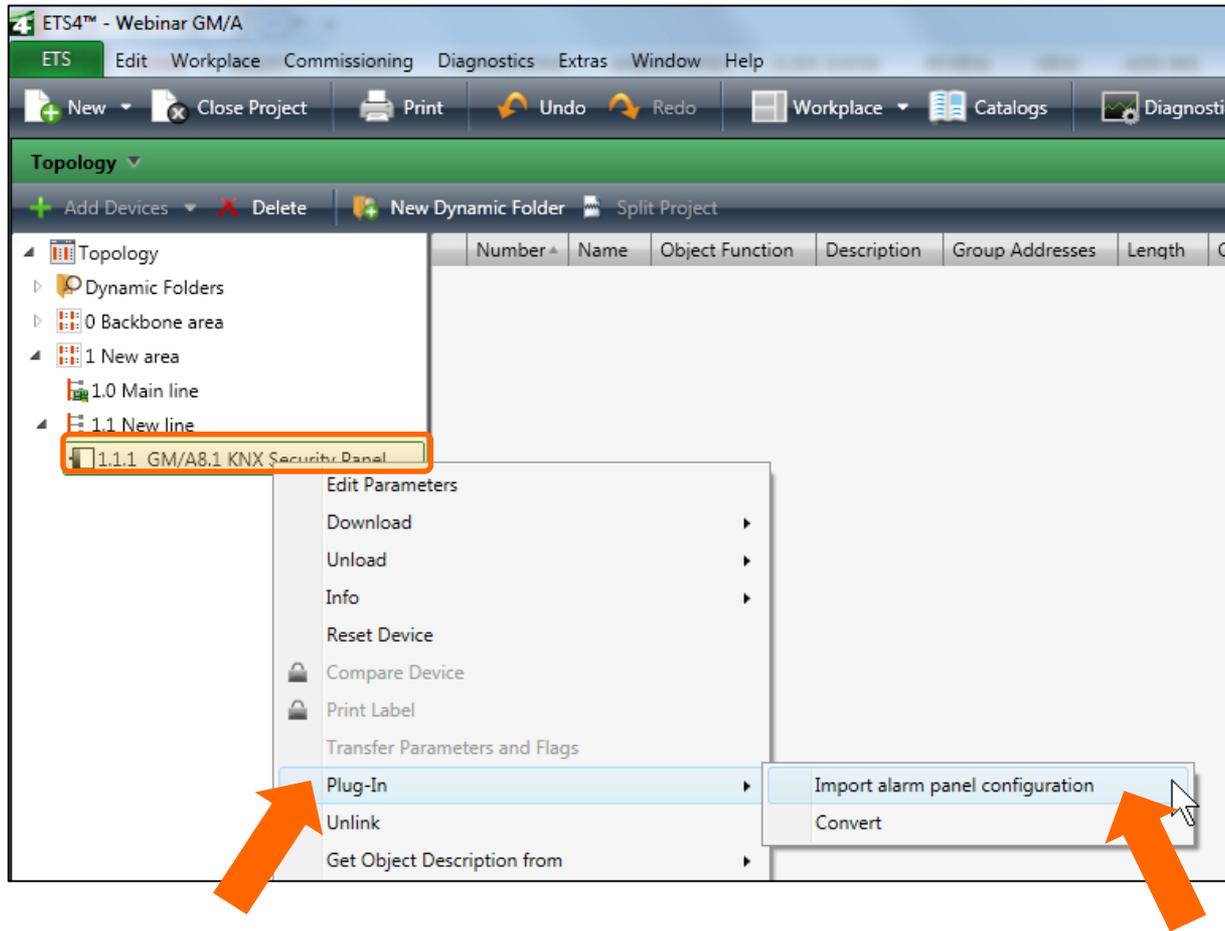
Topology

N...	Name	Object Function	Length	...	R	W	T	U	Data Ty...	Priority	Descripti...
1	Device state	In operation	1 bit	C	R	-	T	-	boolean	Low	

1.1.1 GM/A8.1 KNX Security Panel

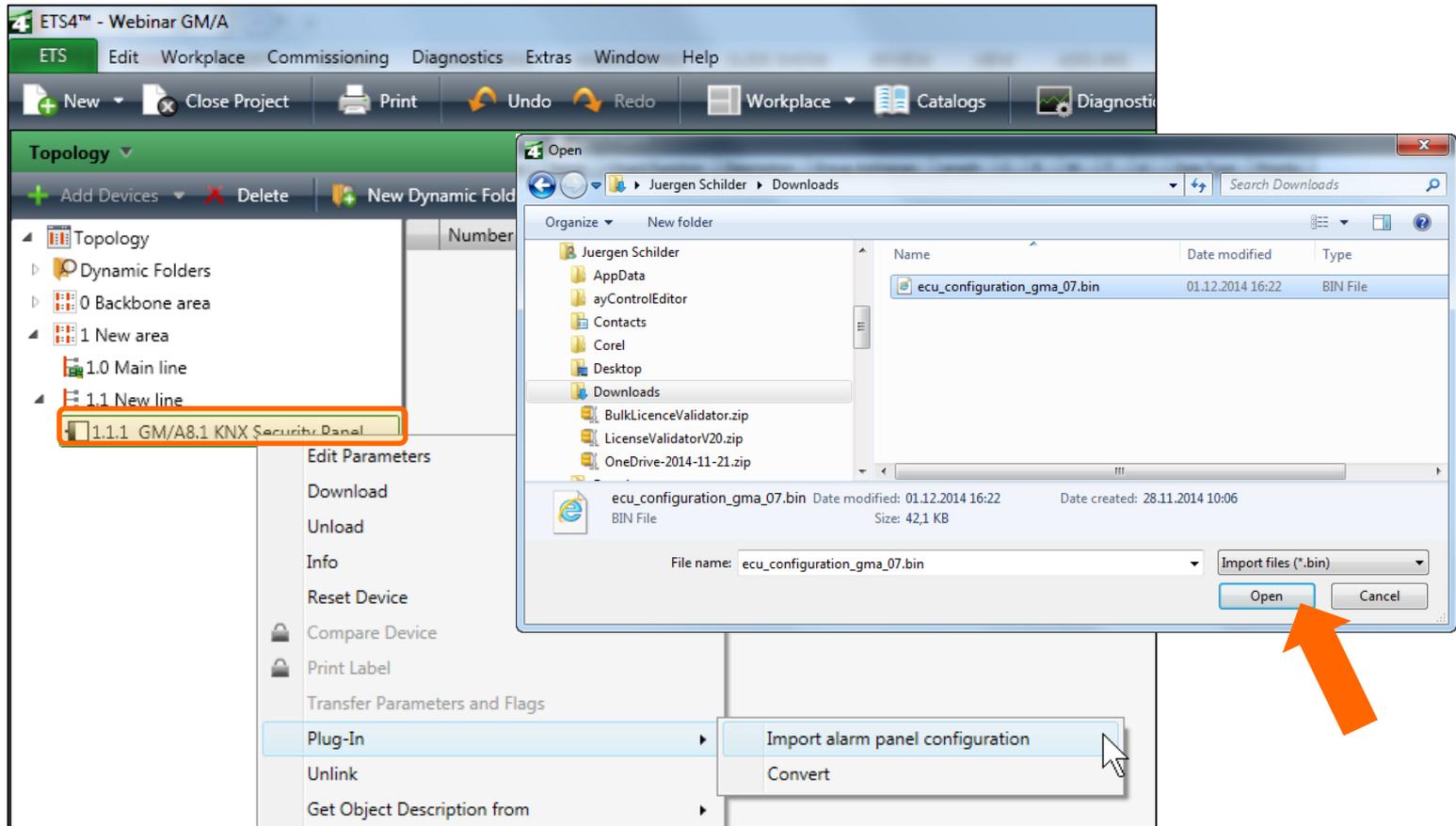
KNX Security Panel GM/A 8.1

KNX and ETS



KNX Security Panel GM/A 8.1

KNX and ETS



KNX Security Panel GM/A 8.1

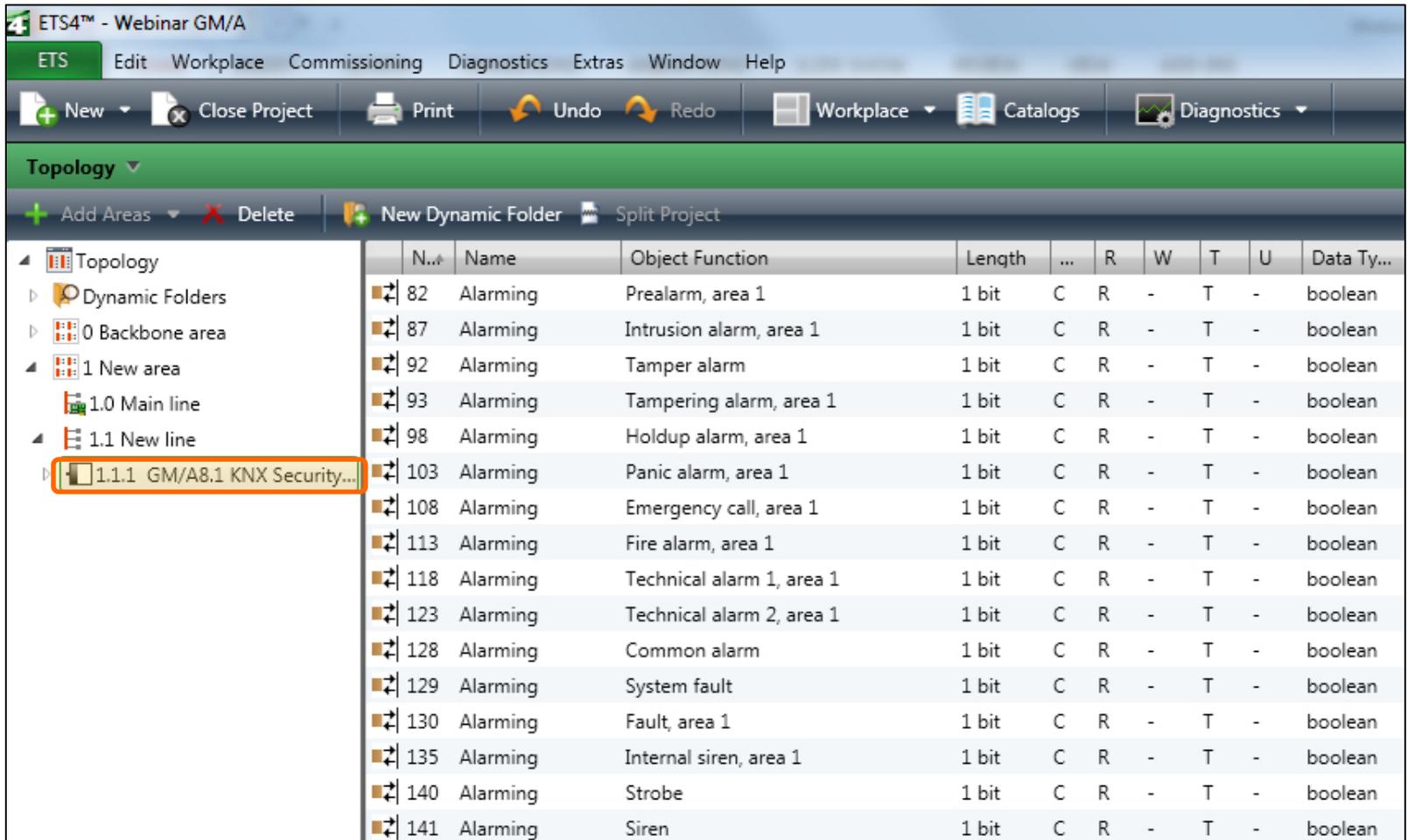
KNX and ETS

The screenshot shows the ETS4 software interface with the following menu items: ETS, Edit, Workplace, Commissioning, Diagnostics, Extras, Window, Help. The toolbar includes: New, Close Project, Print, Undo, Redo, Workplace, Catalogs, Diagnostics. The 'Topology' panel shows a tree view with '1.1.1 GM/A8.1 KNX Security...' selected. The main table displays the following data:

N...	Name	Object Function	Length	...	R	W	T	U	Data Ty...
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

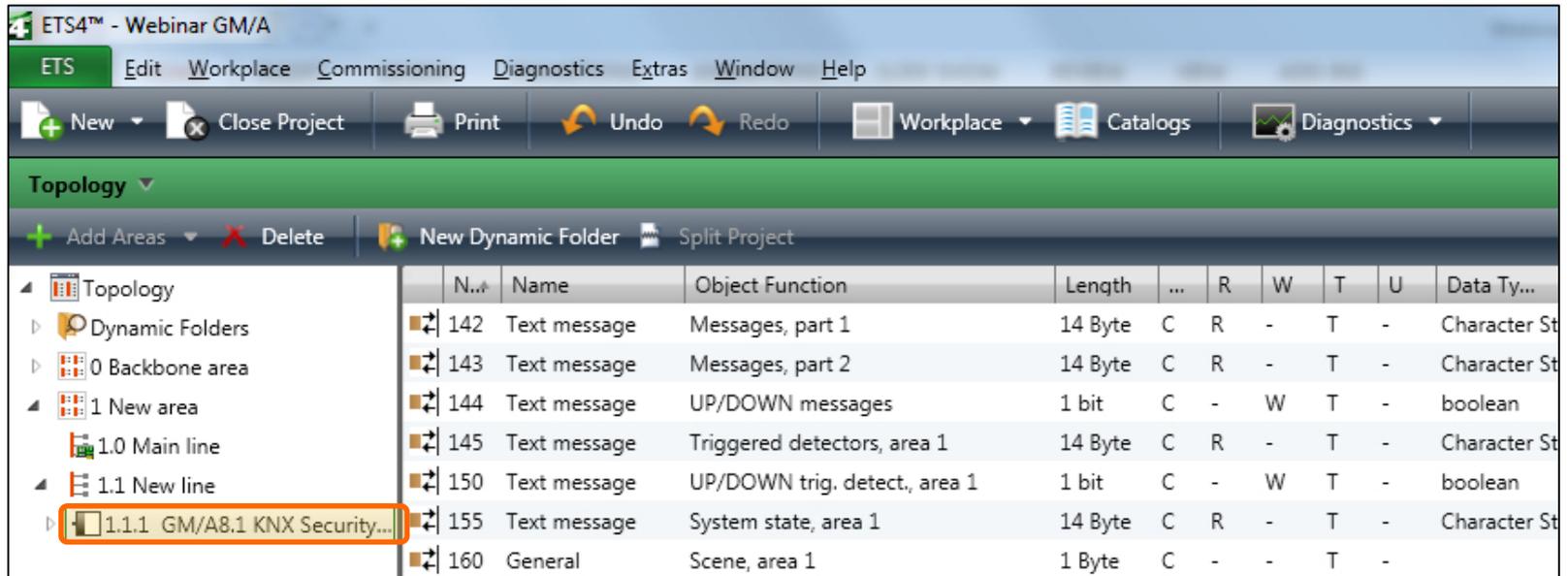
Add Areas Delete New Dynamic Folder Split Project

	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

→ only area 1

KNX Security Panel GM/A 8.1

KNX and ETS: Text messages



	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...	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 Group Programming

169.254.86.113/webui/spa/admin/programming

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

	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...	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

The screenshot shows the ETS4 software interface. The main window displays a table of objects with the following columns: N., Name, Object Function, Length, and various control flags (C, R, W, T, U) and Data Type. The row for object 208, 'Window Kitchen', is highlighted with an orange box. Its 'Object Function' is 'Status Panel, zone 1'.

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

An inset window shows the configuration for 'Input 1*'. The 'Text' field is highlighted with an orange box and contains the text 'Window Kitchen'. Other fields include 'Enable input' (checked), 'Number' (P_1), 'Area assignment' (1), 'Input function' (Magnetic contact), 'Type of monitoring' (Contact with EOL resistor), and 'Alarm behavior' (Normal).

KNX Security Panel GM/A 8.1

KNX and ETS – Text: KNX zone input 1

The screenshot shows the ETS4 software interface for configuring a KNX security panel. The main window displays a table of objects, with object 424 'Wind. washroom KNX zone 1' highlighted. An inset window shows the 'Parameters' for 'KNX zone input 1', where the 'Text' field is set to 'Wind. washroom'.

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

The inset window shows the 'Parameters' for 'KNX zone input 1':

- Text: Wind. washroom
- Address: 1
- Area assignment: Area 1
- State: Deactivated

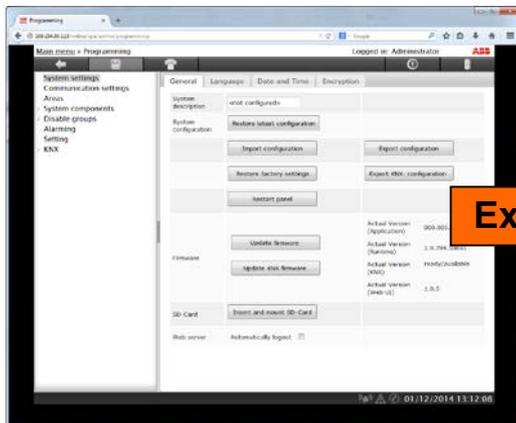
KNX Security Panel GM/A 8.1

KNX and ETS

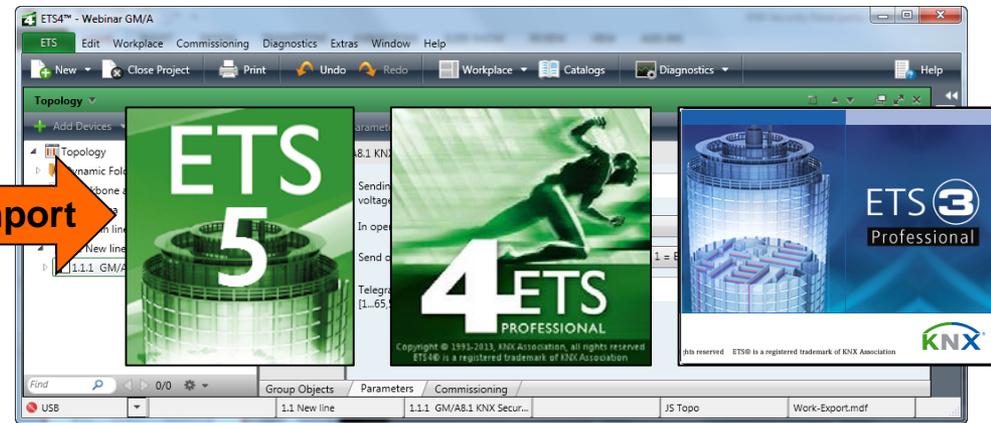


Note

- 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 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



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