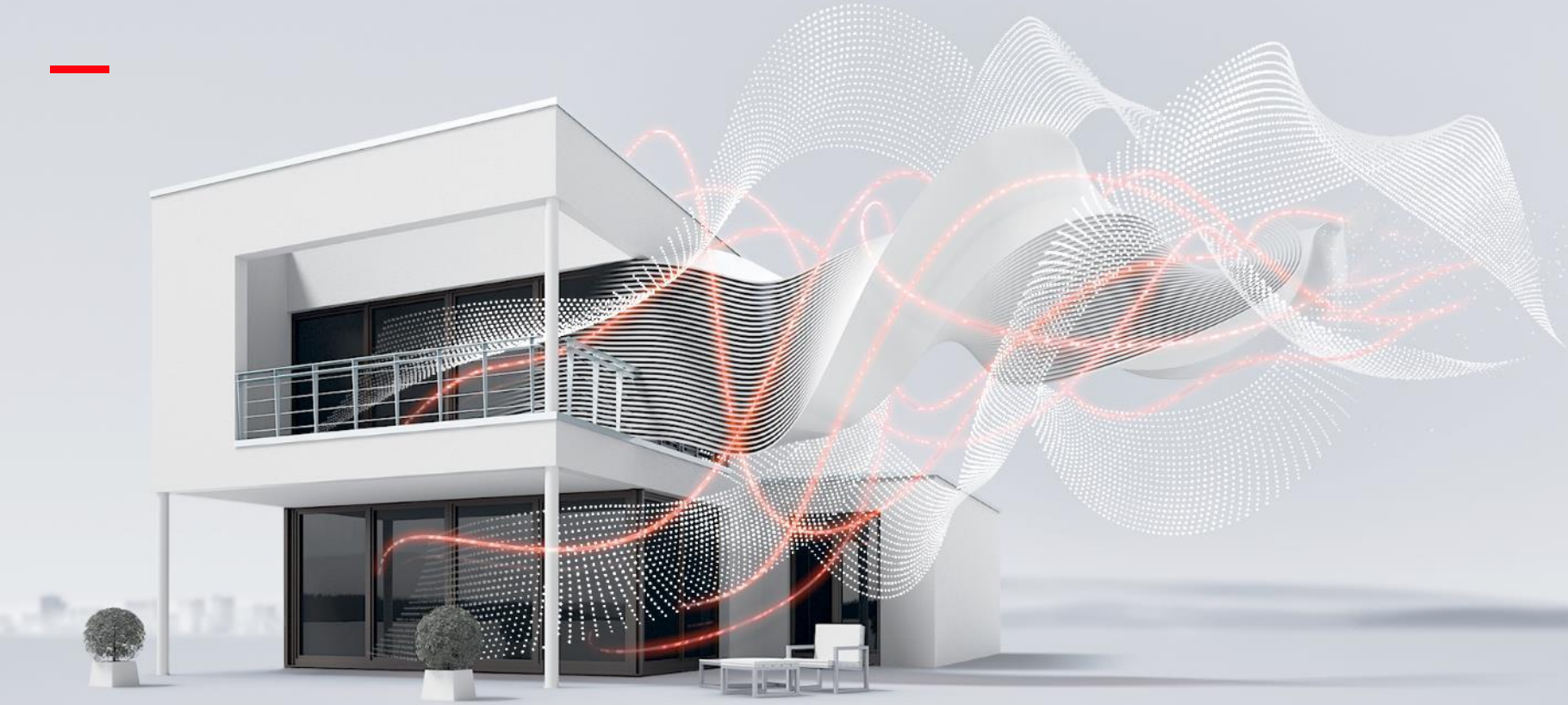


JUNE 2020

KNX Busch-ControlTouch® - Alarm Functions

Online Learning Session – Competence Center Europe – Smart Buildings

Thorsten Reibel, Jürgen Schilder, Stefan Grosse, Martin Wichary & Olaf Stutzenberger

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Online Learning Session – Competence Center Europe - Smart Buildings

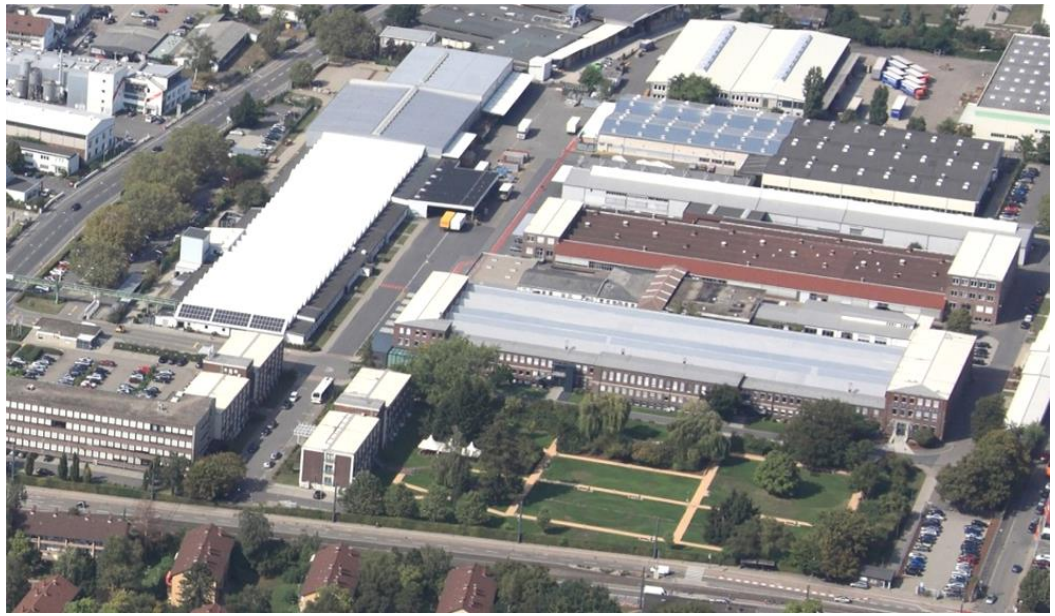


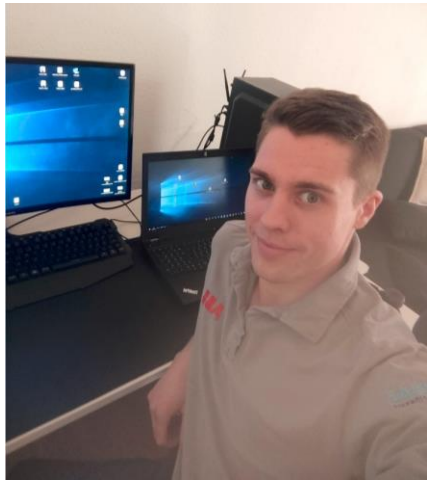
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Agenda

Introduction

Configuration via the “MyBuildings portal”

Settings in the Busch-ControlTouch® device - direct access

Setting of the app (smartphone/tablet) – Alarm log

KNX Busch-ControlTouch® - Alarm Functions

Introduction

KNX Busch-ControlTouch® - Alarm Functions

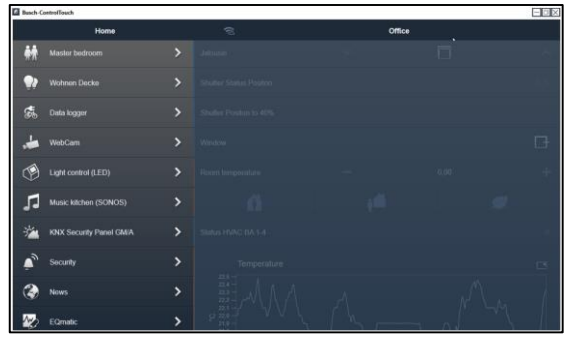
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KNX Busch-ControlTouch® - 6136/APP-500

- KNX visualization for iOS and Android smartphones, Apple smart watch, tablets and Windows computers (desktop)
- Easy control using intuitive navigation concept
- Display of individual control pages with room images controls
- Fully web-based commissioning with wizard function
- Home automation, switching, dimming, blind control , RTC control, scene/sequences, week timer, TCP & HTTP commands, diagrams, Creation of own scripts (e.g. if – then – else) and more
- Integration of IP cameras, SONOS audio and Philips hue
- KNXnet/IP Tunnel
- Local user (roles and rights)
- **Send alarm/malfunction messages over push notifications and/or e-mails including a picture from an IP camera**
- …







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KNX Busch-ControlTouch® - Alarm Functions

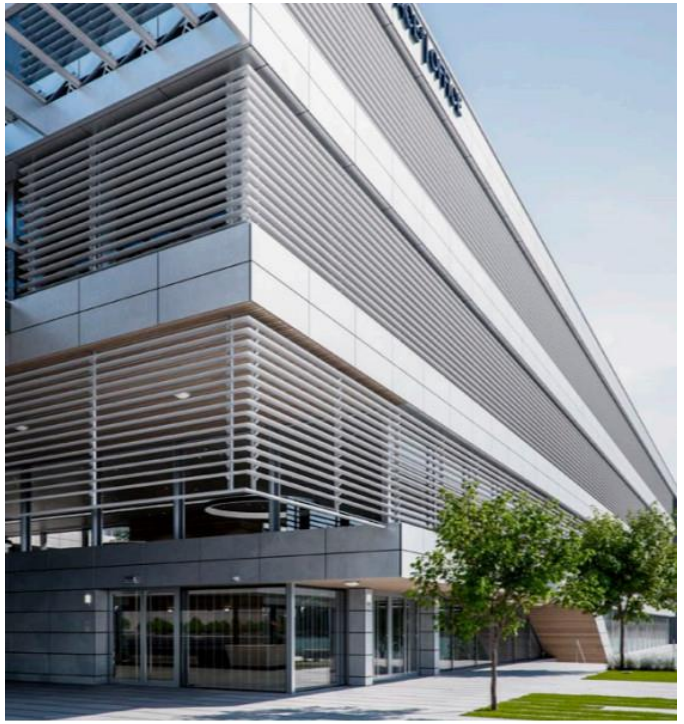
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Examples of alarm messages

- Malfunction reports: Fault relay (aircon system)
- Monitoring of operating conditions: Temperature too low (water boiler, flow temperature), pressure too high, ...
- Security: Intrusion alarm, set/unset, routine messages
- Technical alarm: Water, smoke, gas
- Lighting: Lamp or ballast failure (DALI), current too low (SA/S current detection), Emergency lighting active (DALI)
- Diagnosis and troubleshooting: Message for a specific telegram, does the weather station send wind alarm messages?
- Door/window monitoring: Opening an escape door, window is open for a long time
- Energy measurement: Exceeding power values, phase failures
- Paging and emergency call: Hotel rooms
- ...



Everything under control, wherever you want it



KNX Busch-ControlTouch® - Alarm Functions

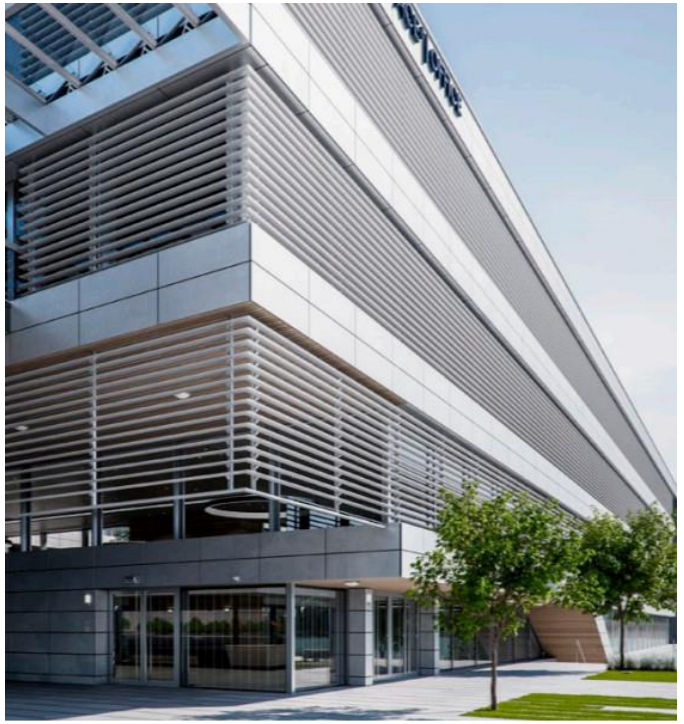
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Examples of alarm messages

- KNX bus voltage failure and recovery
- Exceeding values for wind, rain alarm, etc. → preventive measures on the building (garden furniture in the garage)
- Notification of error messages from the Fault Monitoring Unit SMB/S (fault reporting system in hospital)
- Notification of messages from Data Logging Unit; operating hours exceeded, upcoming maintenance (lamp replacement or cleaning, filter change)
- KNX device monitoring via EIB Monitoring Unit EUB/S
- General status and error messages of KNX devices
- ...



Everything under control, wherever you want it



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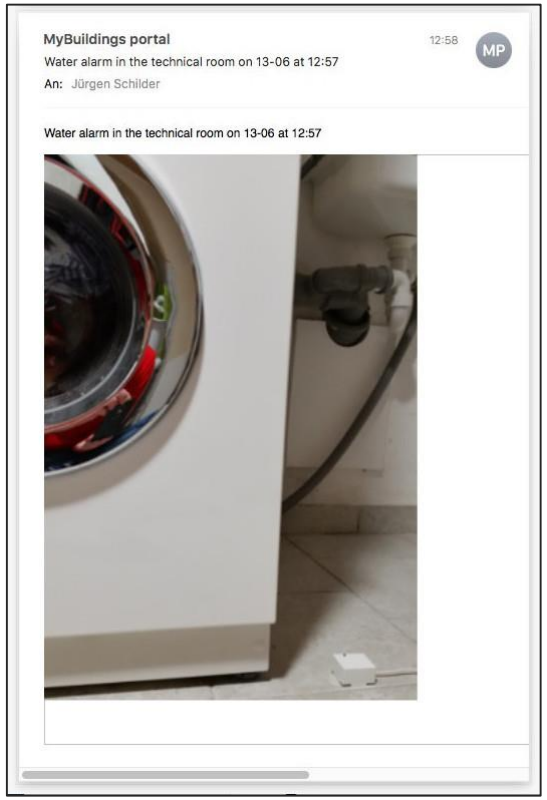
KNX Busch-ControlTouch® - Alarm Functions

Online Learning Session

General

- Alarm messages can be sent by
  - Push notifications to the listed receivers/mobile devices and/or
  - E-mails to any recipient
- The picture from an IP camera can be sent along
- When adjusting an existing alarm, or when an alarm is to be created, access must always take place via “MyBuildings portal”
- Alarms can be created and managed via the configuration page by
  - End customer
  - Expert (admin)





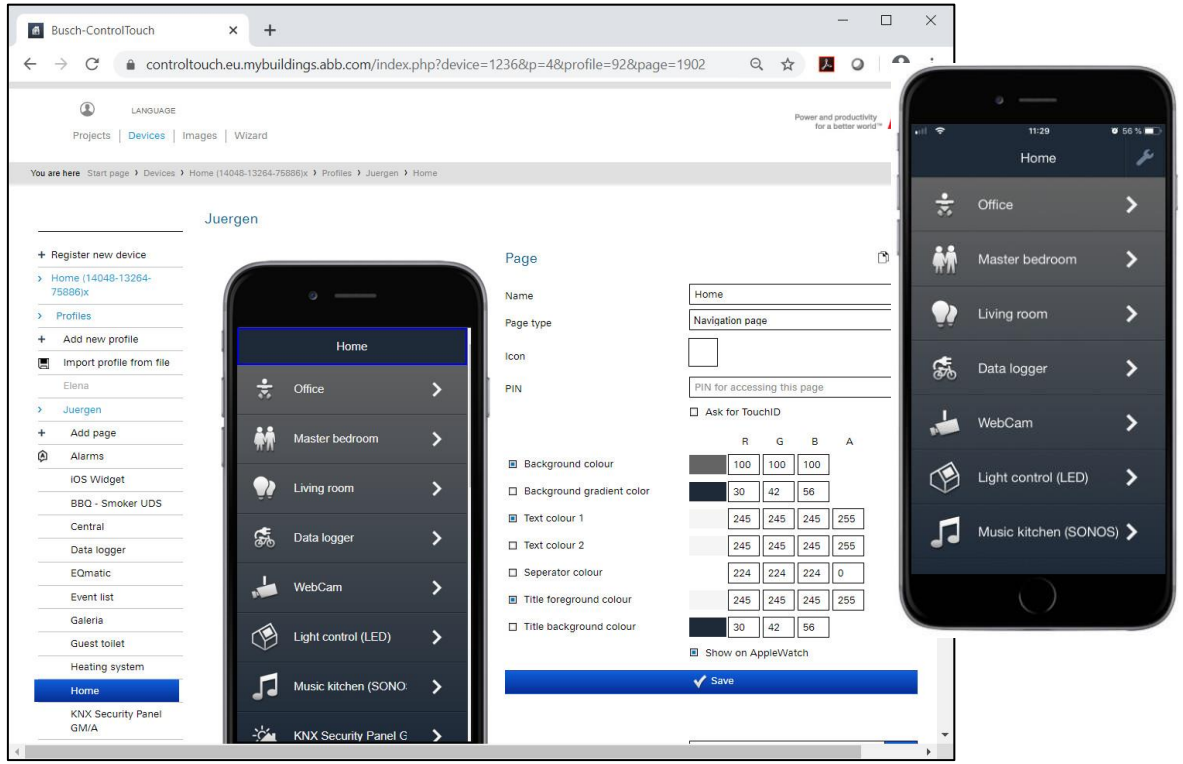
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KNX Busch-ControlTouch® - Alarm Functions

Online Learning Session

Requirements for creating an alarm

– Commissioning of the Busch-ControlTouch® has been completed so far
  - Users have been created
  - Group addresses have been added
  - IP cameras are configured
  - The app is installed on the tablet/smartphone and linked to the Busch-ControlTouch®
  - …



KNX Busch-ControlTouch® - Alarm Functions

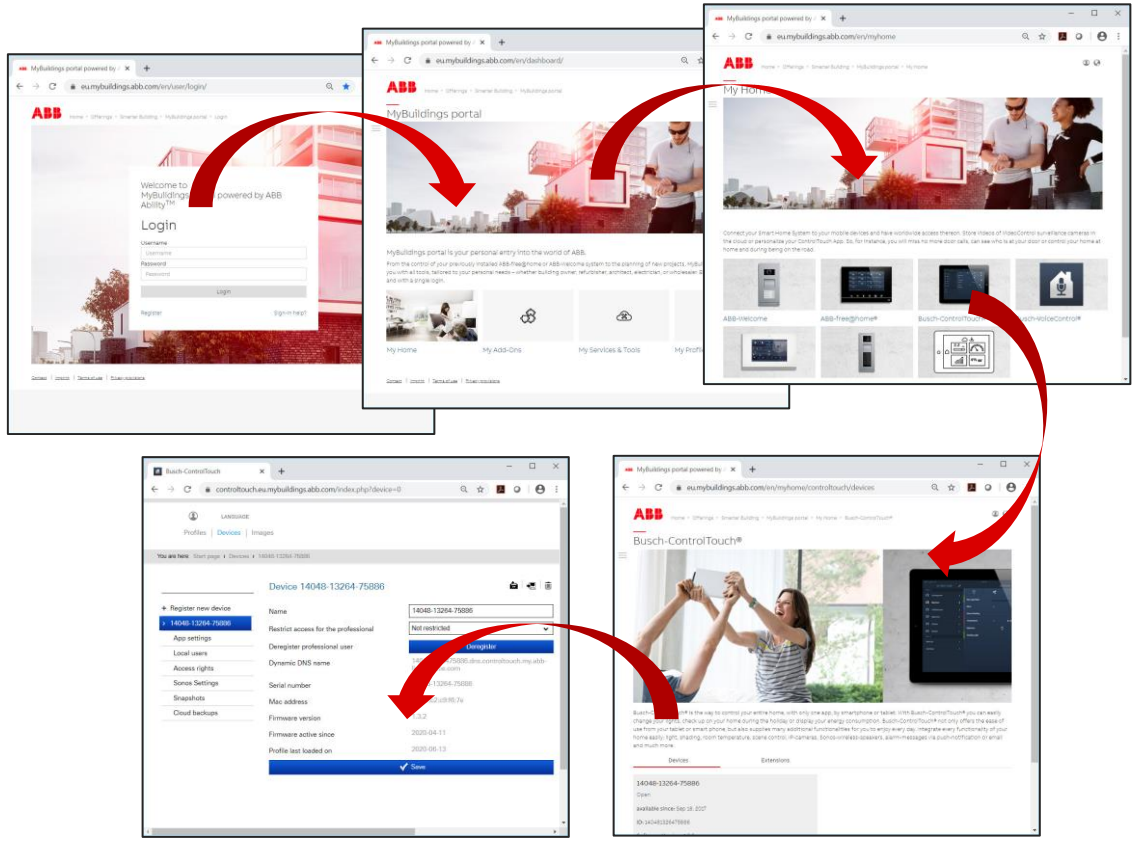
Configuration via the “MyBuildings portal”

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Opening the configuration page

- Open the “MyBuildings portal” page and log yourself in (end customer or expert)
- Click on “My home“ / “My installations”
- Click on “Busch-ControlTouch”
- The available devices are displayed
- Click on “Open”
- The configuration page is displayed



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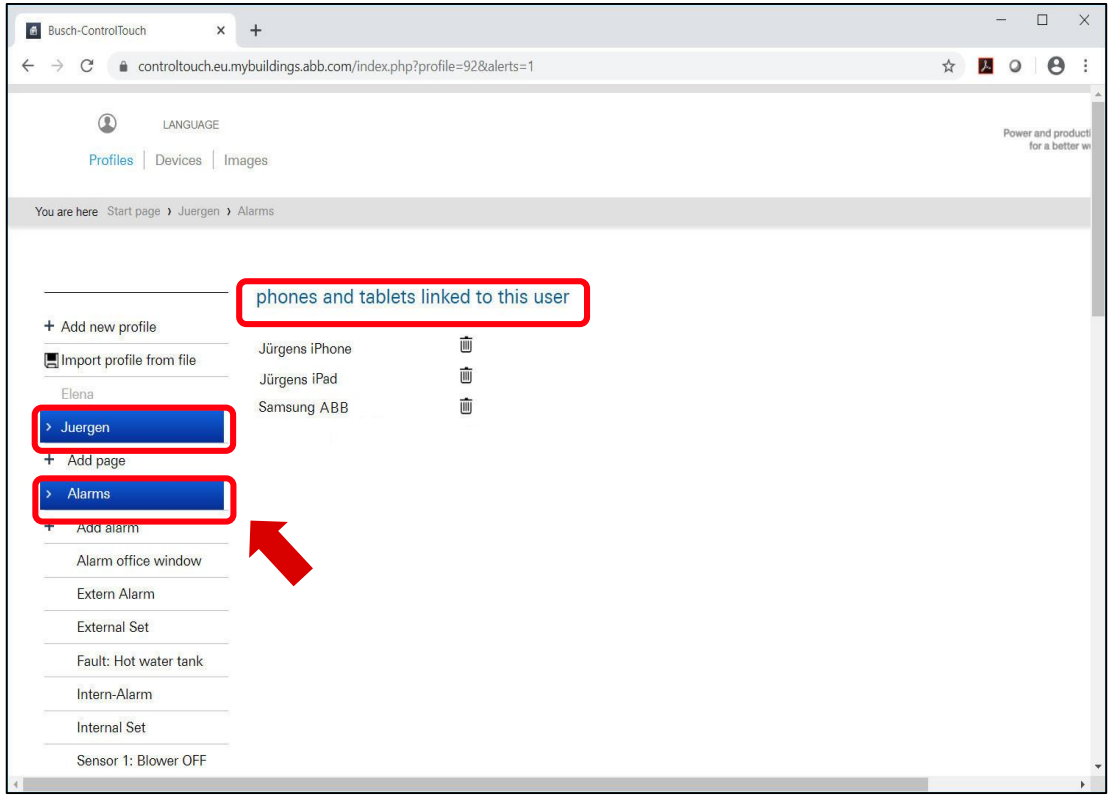
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Overview of alarms

– Click on the appropriate profile in the menu column
→ The profile opens

– Click on “Alarms” in the menu column
→ The overview of the alarms created and list of phones and tablets linked is displayed in an overview list

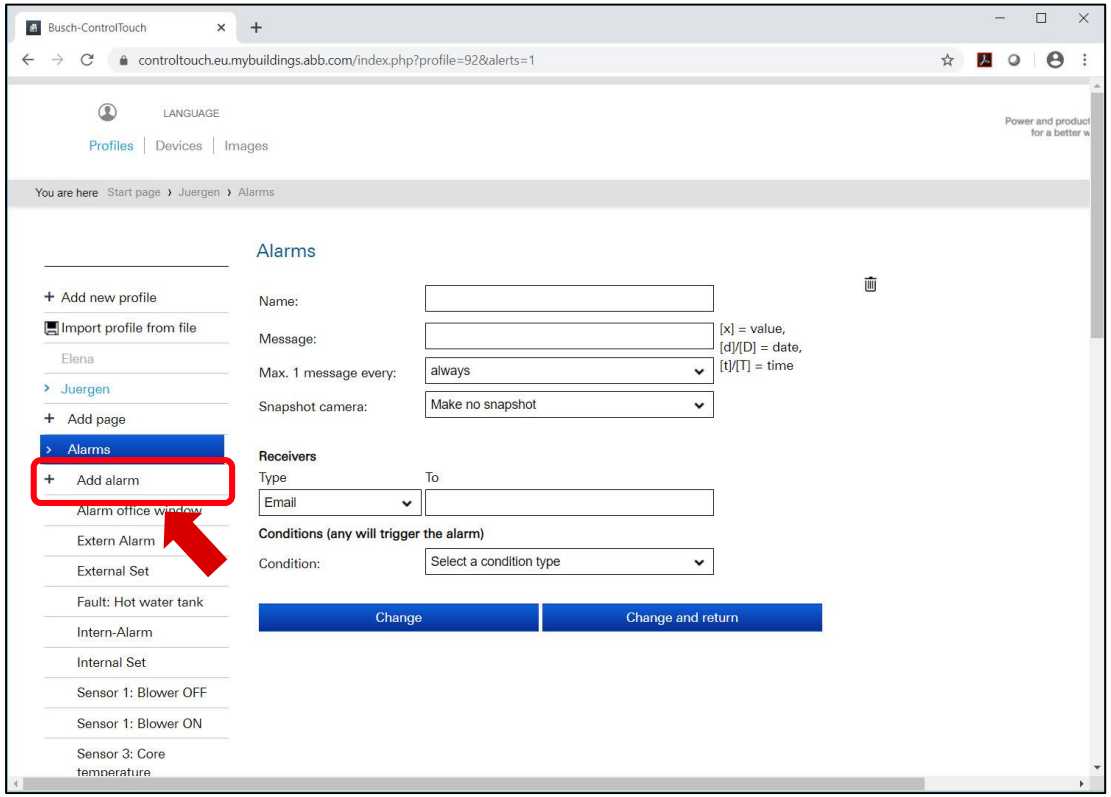


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Create and add alarms

- Additional alarms can be created and added at any time
  - Open the “Alarms” function
  - Click on "Add alarm" in the menu column
  - You can create an alarm and adjust the necessary specifications (see next slide)
  - Then Click on the “Change” or “Change and return” button
- The overview list opens again
- The alarm message with the assigned specifications appears



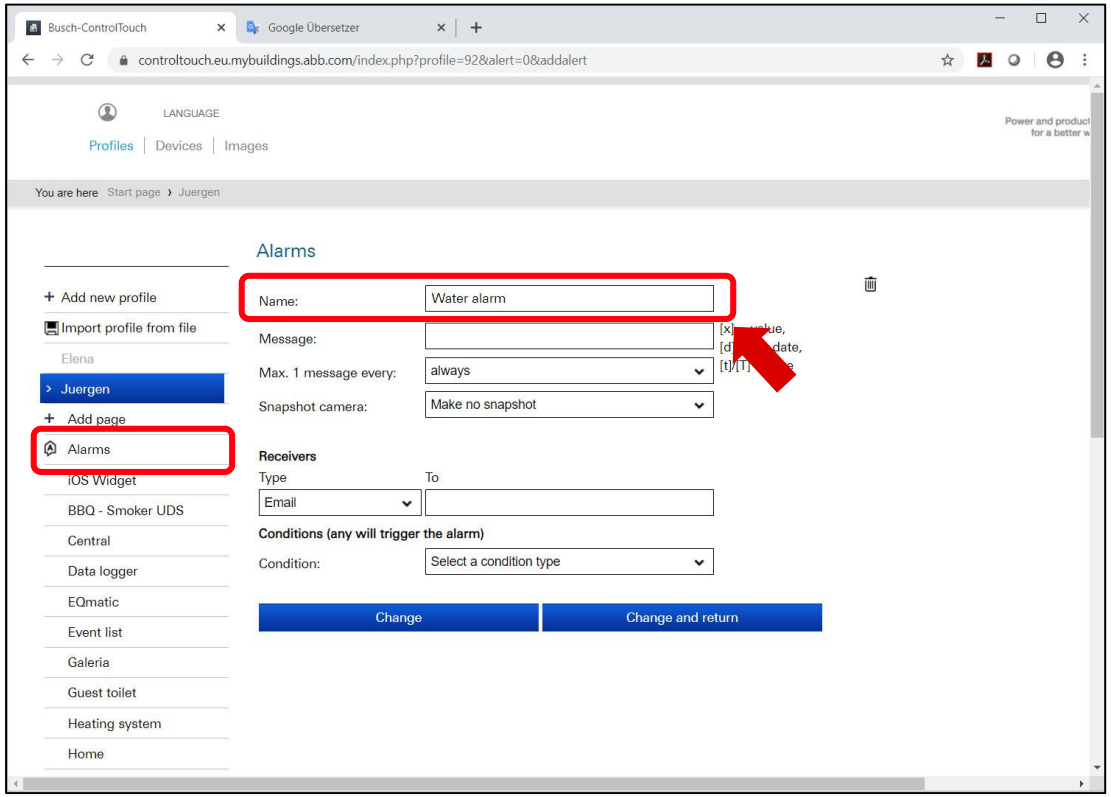
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Online Learning Session

Create and add alarms

– Name

- Assign a typical name to the alarm message which describes the alarm situation, e.g. Water alarm



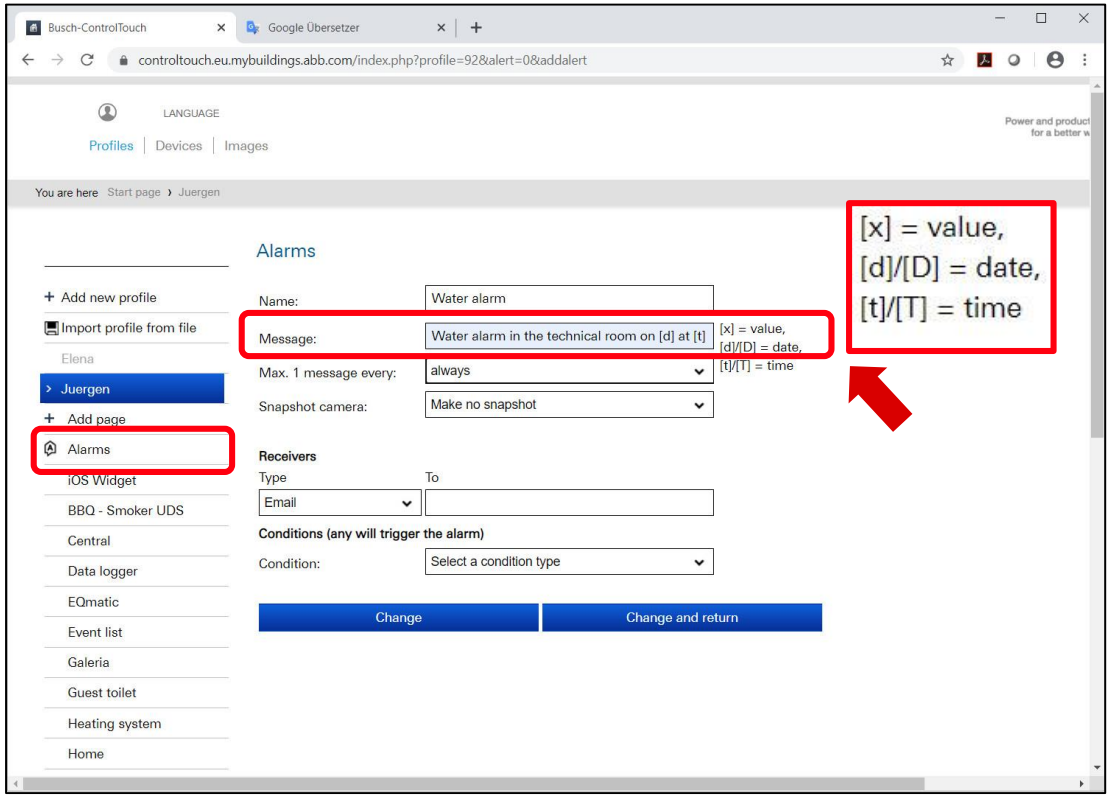
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Online Learning Session

Create and add alarms

– Message

- Here specify what is to be reported, such as text, values, date or a time
- Also a combination out of all specifications is possible, e.g. Water alarm in the technical room on [d] at [t]

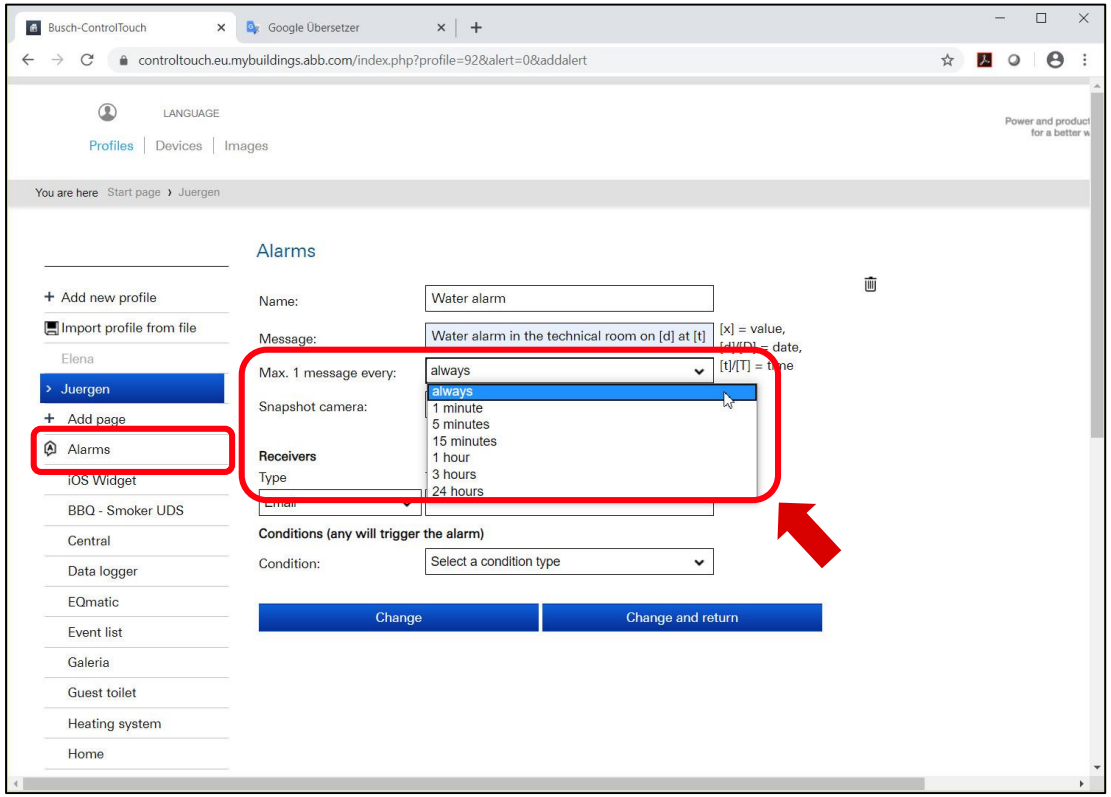


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Create and add alarms

– Max. 1 message every
  - Here a time interval can be specified during which periods the alarm is to be sent



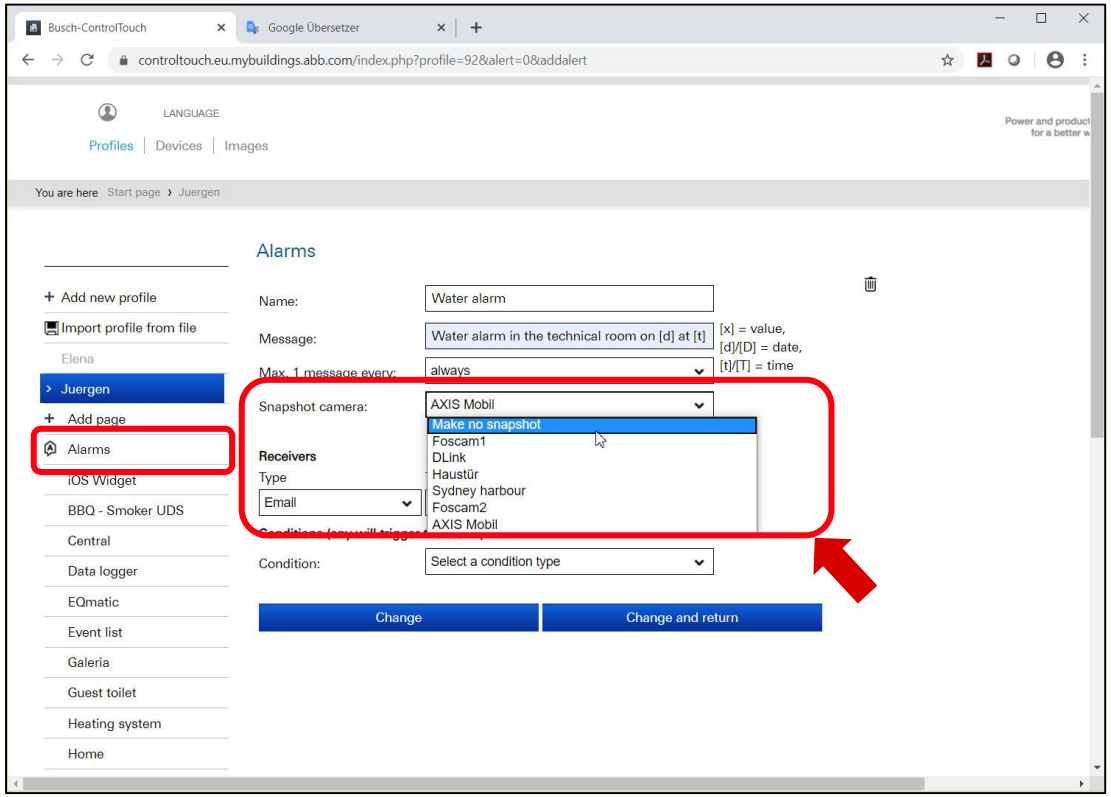
KNX Busch-ControlTouch® - Alarm Functions

Online Learning Session

Create and add alarms

– Snapshot camera

- Here it can be specified whether a snapshot is to be taken when the alarm is triggered
- It can also be specified which IP camera is to take the snapshot
- The snapshot is then sent via e-mail or Push notification when the alarm is triggered



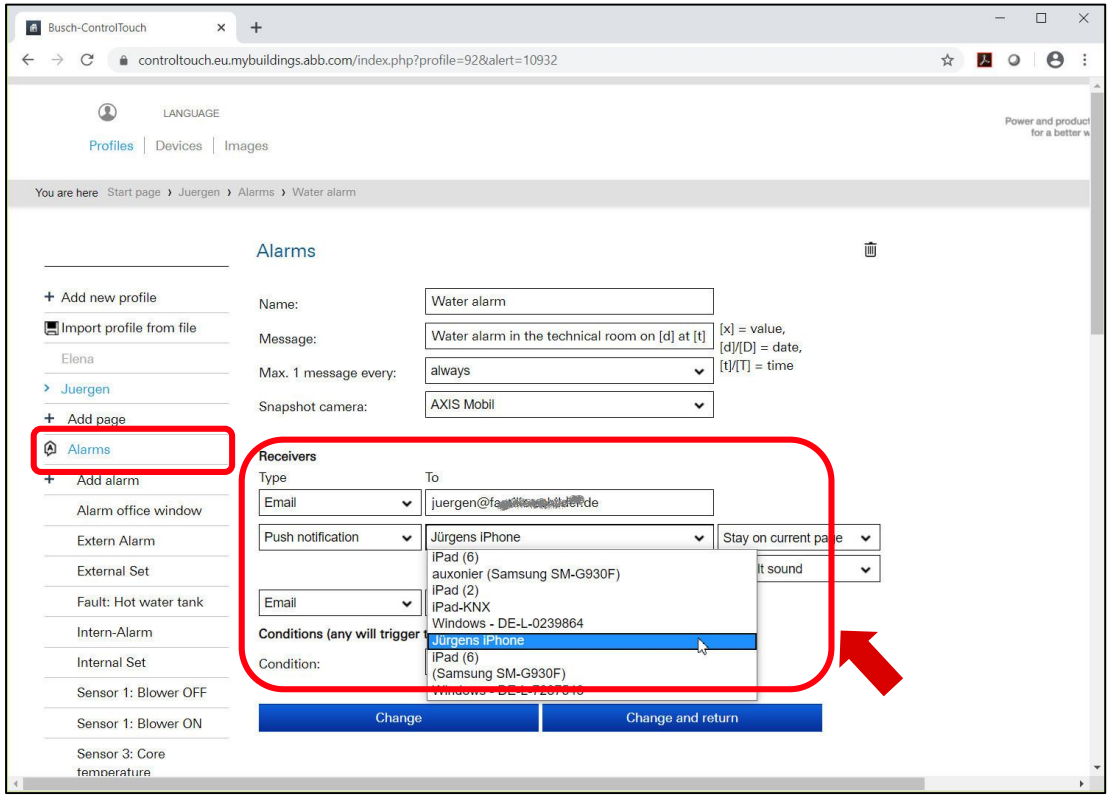
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Create and add alarms

– Receivers

- Selection whether the alarm is sent as e-mail(s) and/or push notification(s)
- For e-mail: Enter of e-mail address (any recipient)
  Sender: MyBuildings portal <info@eu.mybuildings.abb.com>
  → It is not necessary to configure an SMTP server
- For Push notification: Selection of the mobile device

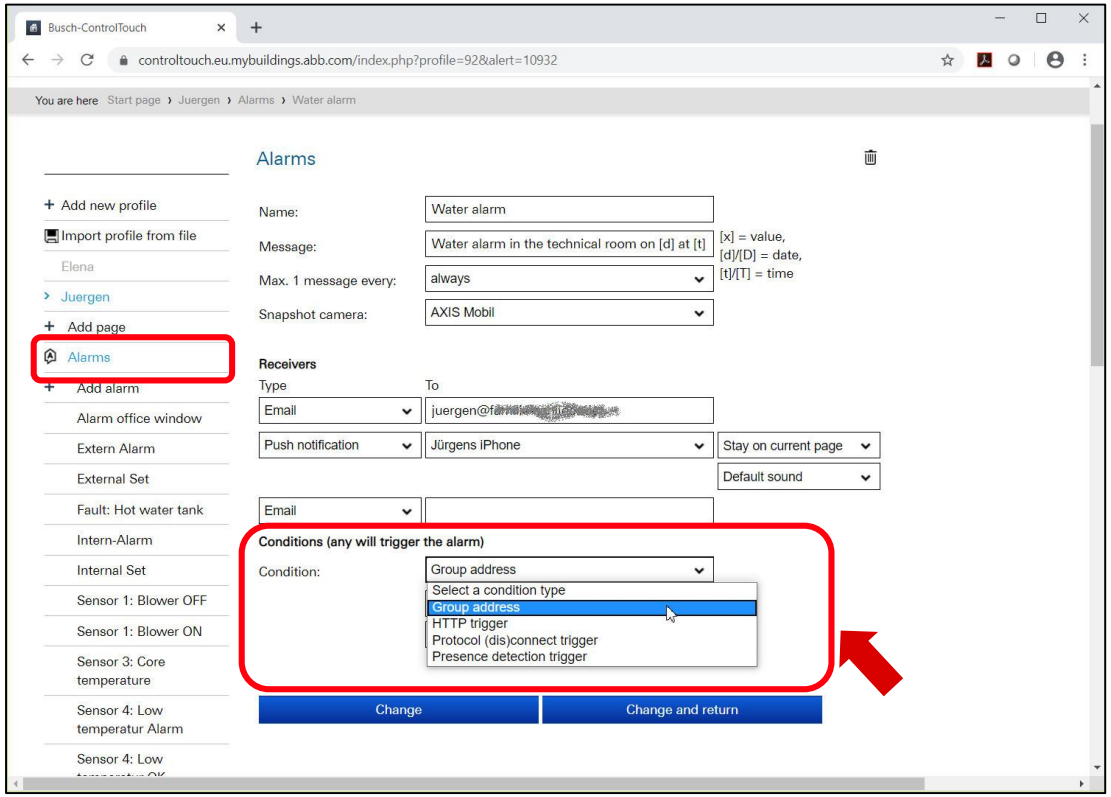


KNX Busch-ControlTouch® - Alarm Functions

Online Learning Session

Create and add alarms

– Condition (each one triggers an alarm):
  - Fixing the condition that triggers the sending of the alarm:
  - Group address (list of group addresses)
  - HTTP trigger (trigger number)
  - Protocol (dis)connect trigger (KNX connected/disconnected)
  - Presence detection trigger (someone present/away)
  - Further settings are necessary depending on the condition

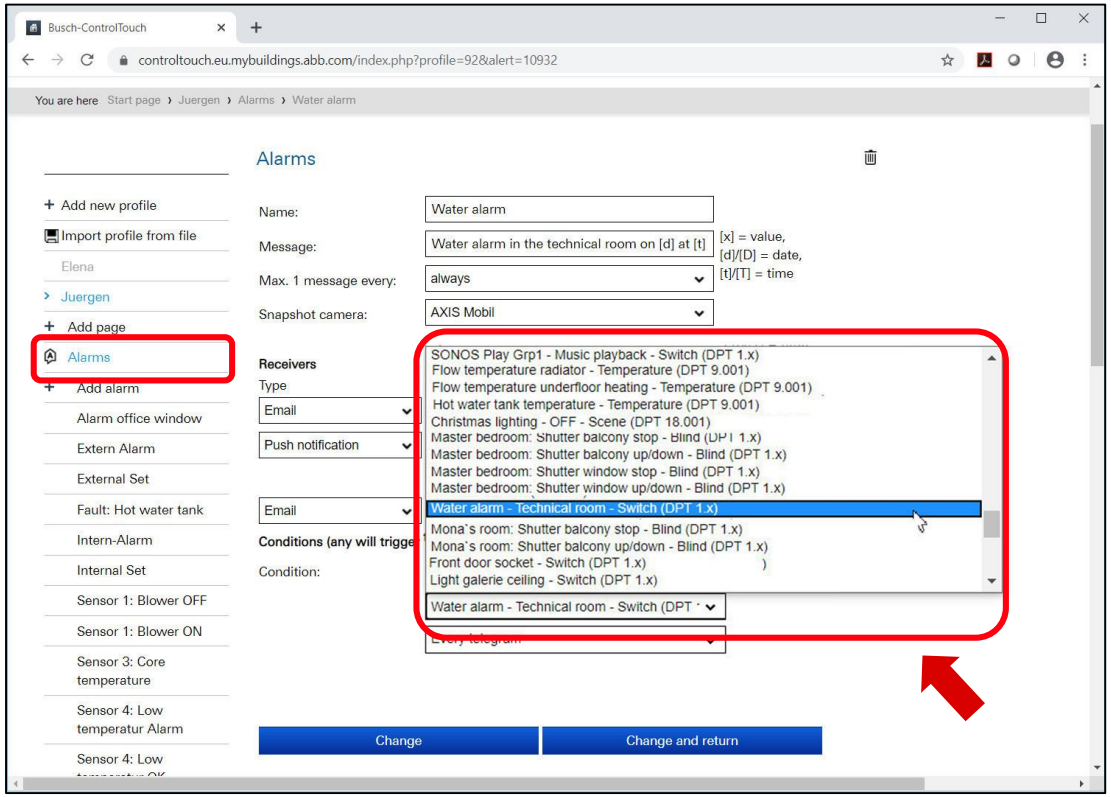


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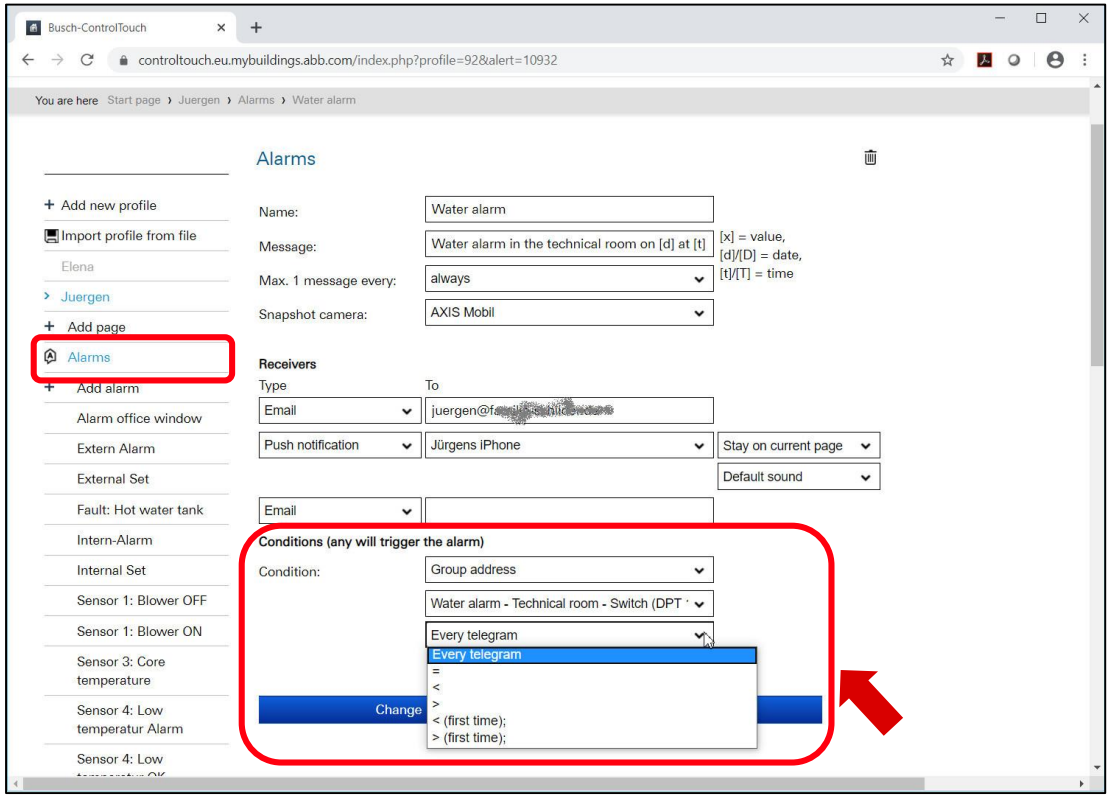


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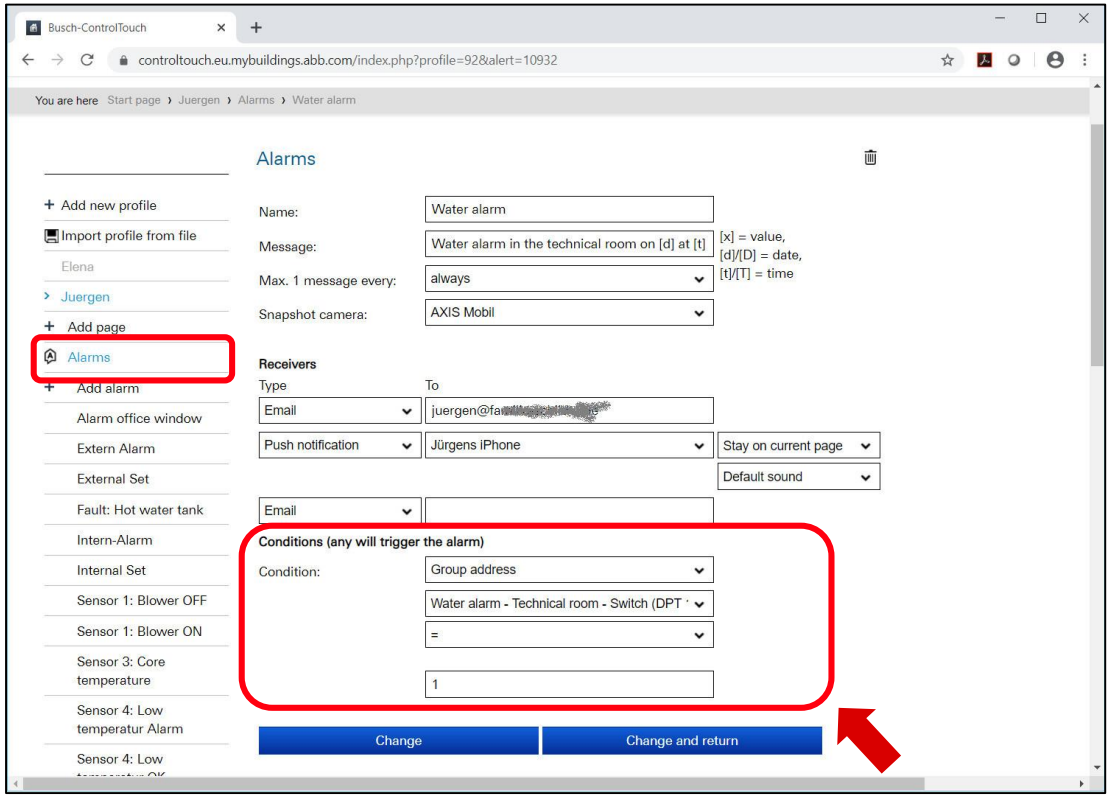


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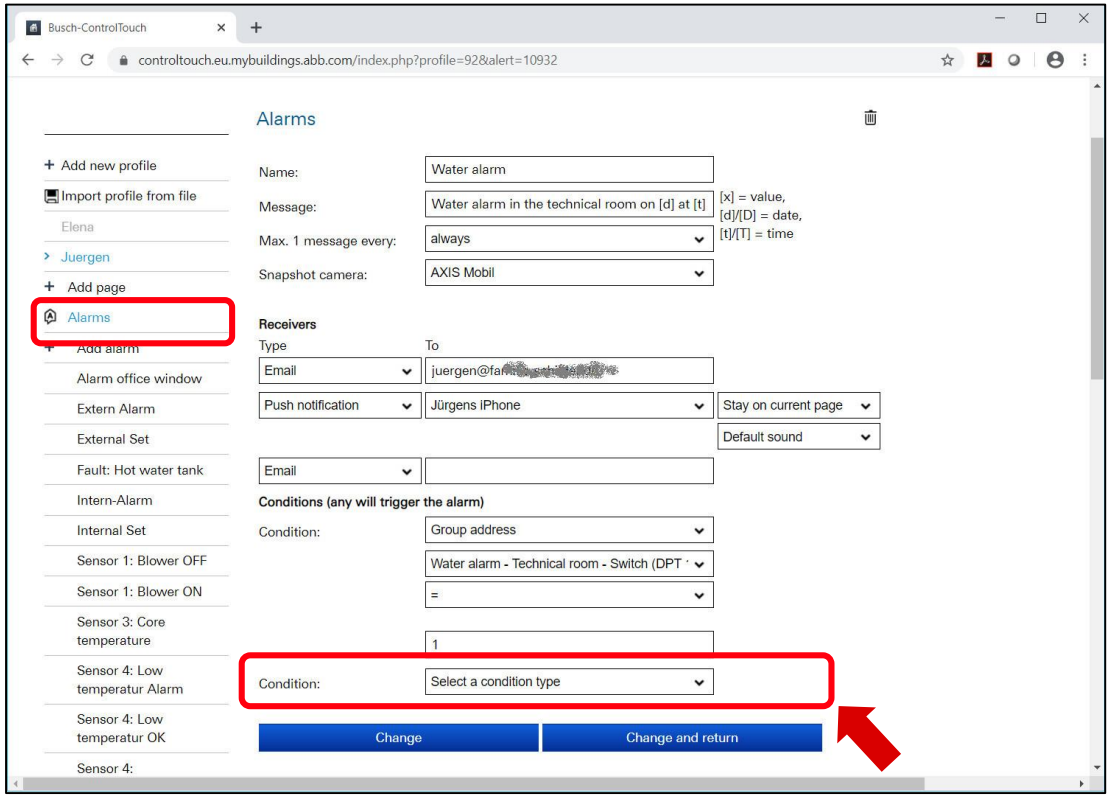


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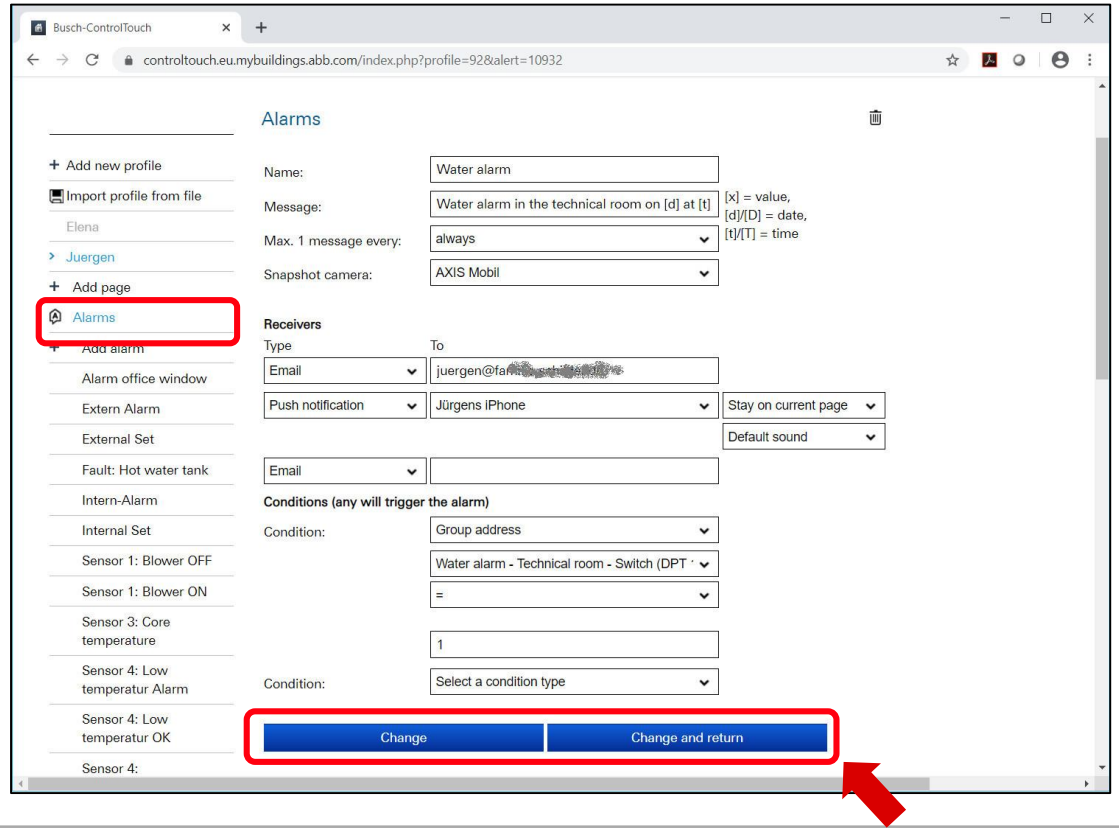


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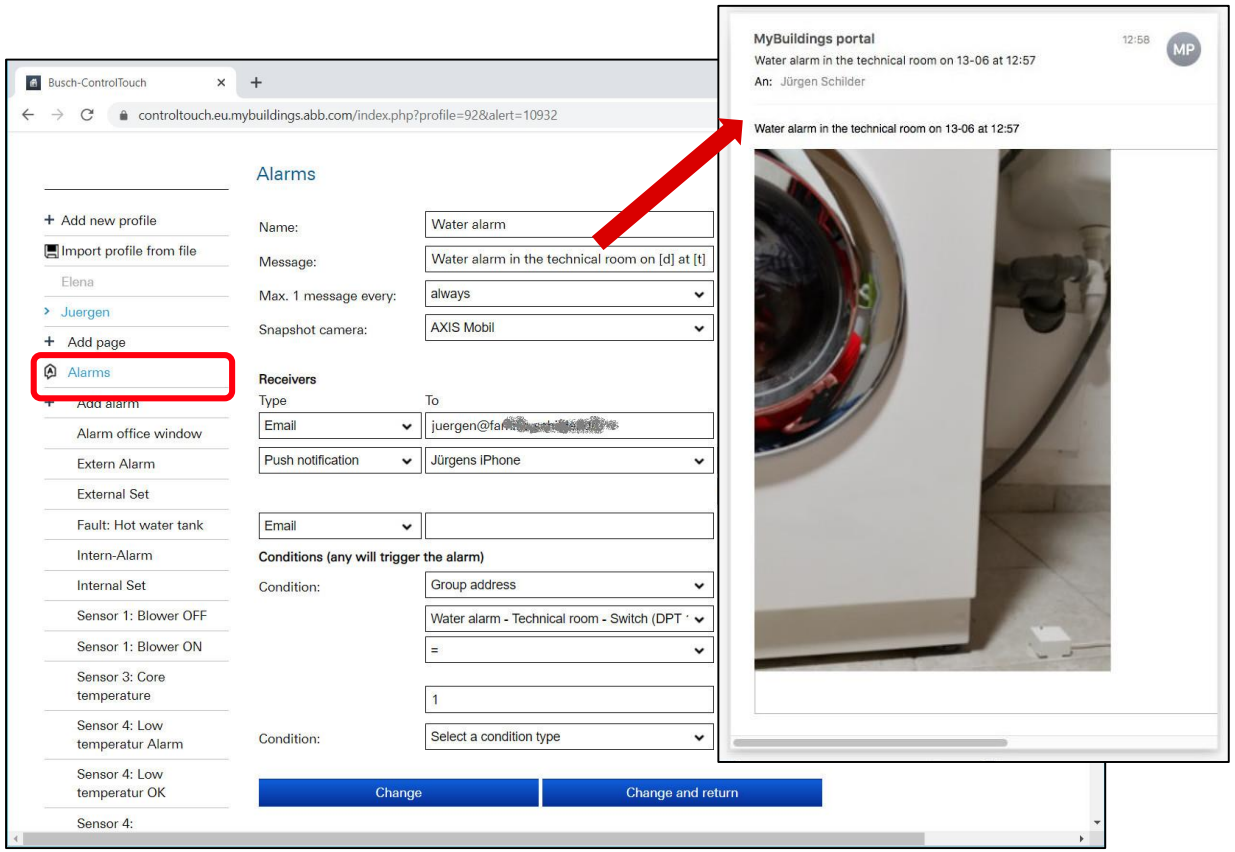


KNX Busch-ControlTouch® - Alarm Functions

Online Learning Session

Create and add alarms

– Test alarm
  - KNX telegram (ETS group monitor, ABB i-bus Tool or trigger sensor)
  - Simulate the conditions in the Busch-ControlTouch® device via direct access (see next chapter)

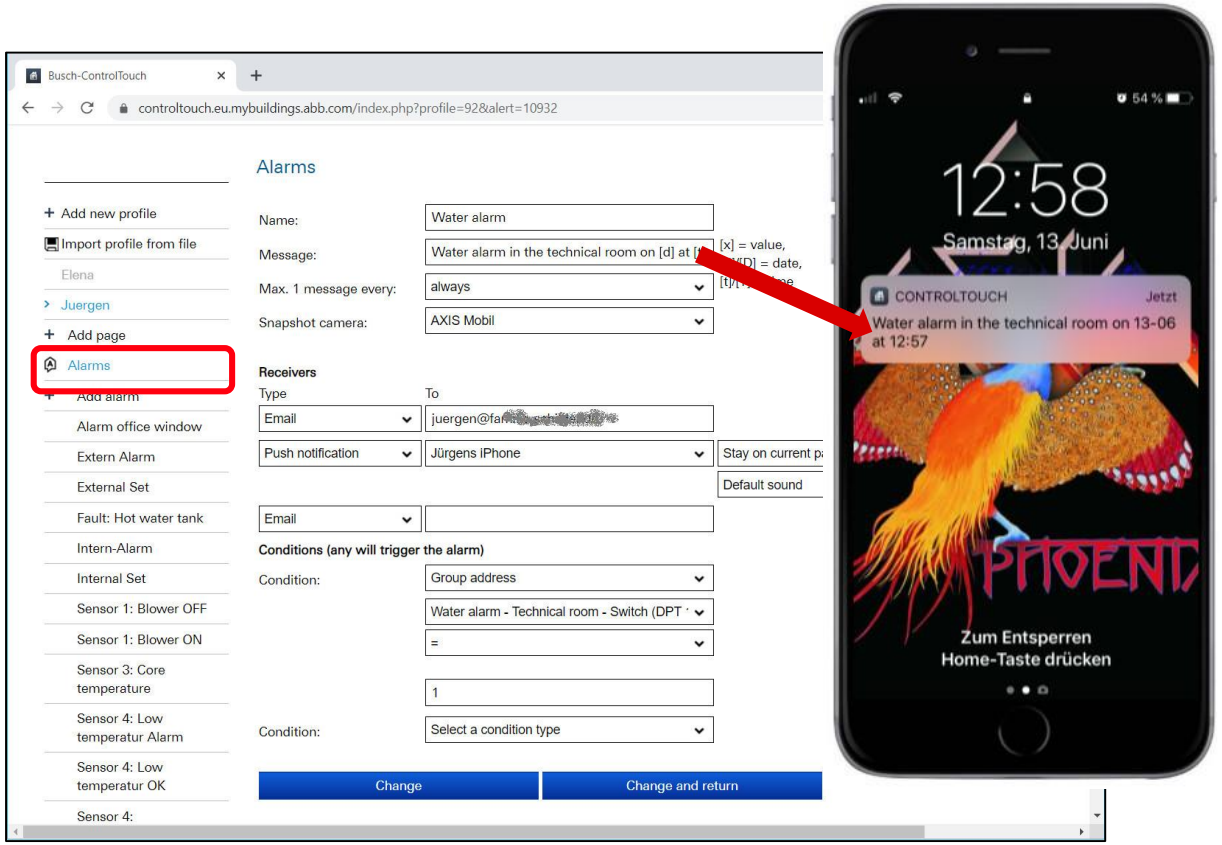


KNX Busch-ControlTouch® - Alarm Functions

Online Learning Session

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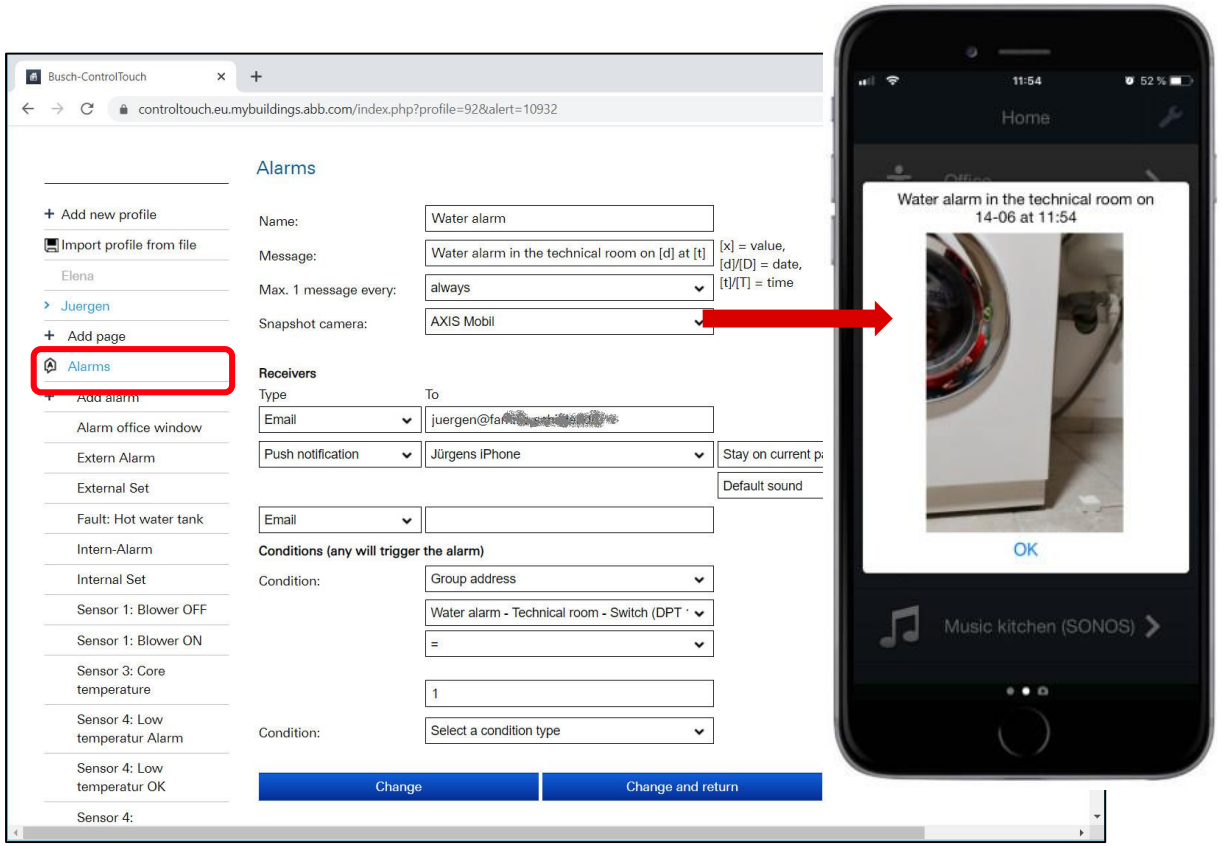


KNX Busch-ControlTouch® - Alarm Functions

Online Learning Session

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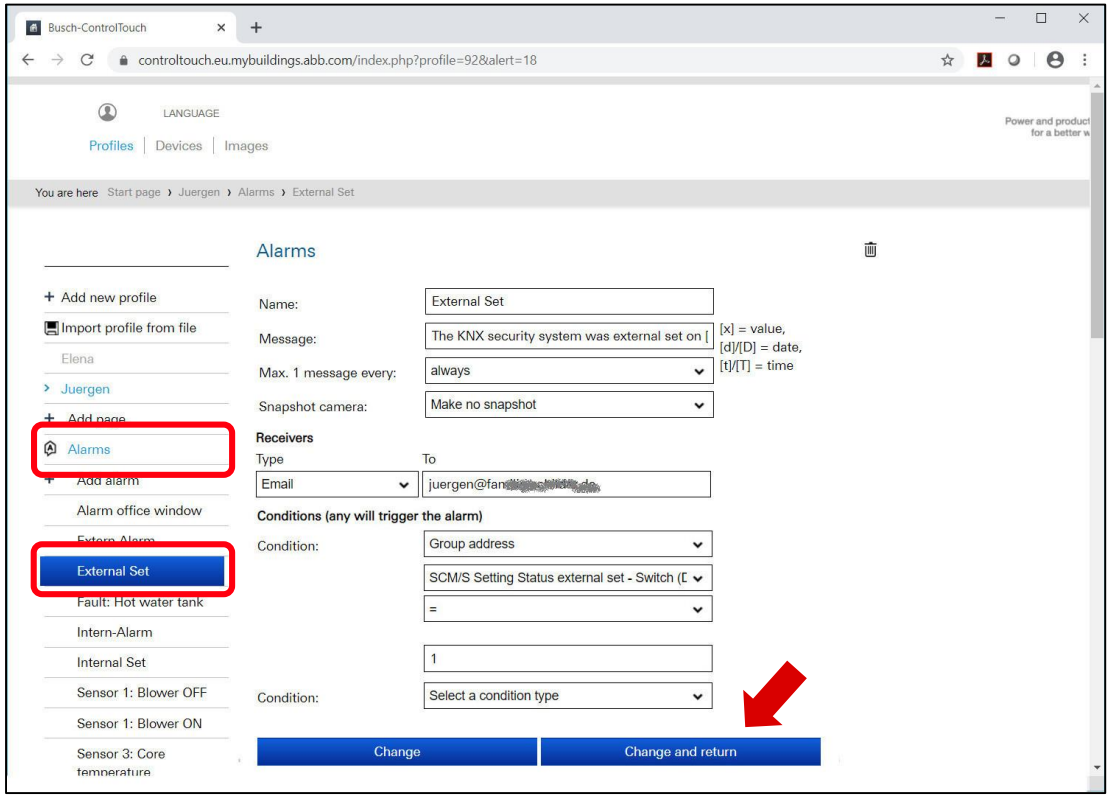


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Online Learning Session

Adjust alarm

- Existing alarms can be adjusted at any time
  - Open the “Alarms” function
  - In the menu column click on the alarm that is to be adjusted
    → The alarm opens and you can now adjust the specifications
  - Then Click on the “Change” or “Change and return” button
- The overview list opens again
- The alarm message with the adjusted specifications appears

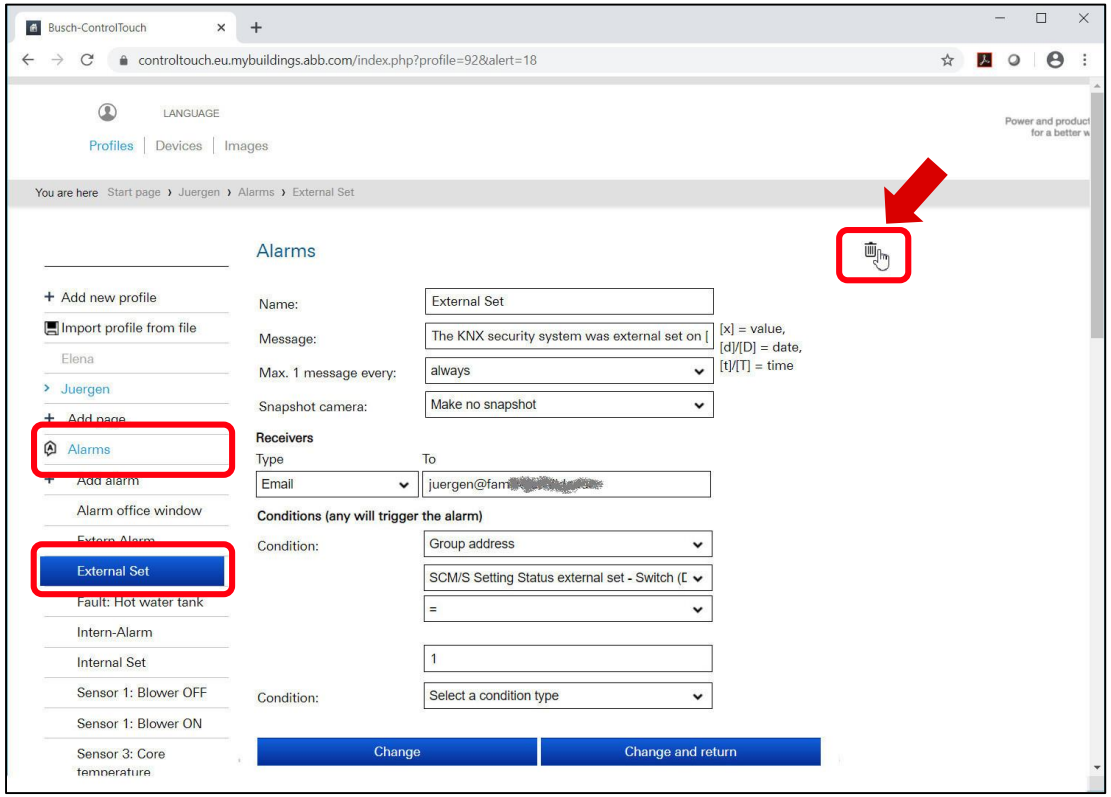


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Online Learning Session

Delete alarm

– Existing alarms can be deleted again at any time
  - Open the “Alarms” function
  - In the menu column click on the alarm that is to be deleted
    → The alarm opens
  - Click on the rubbish bin icon
    → The alarm is deleted



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Settings in the Busch-ControlTouch® device - direct access

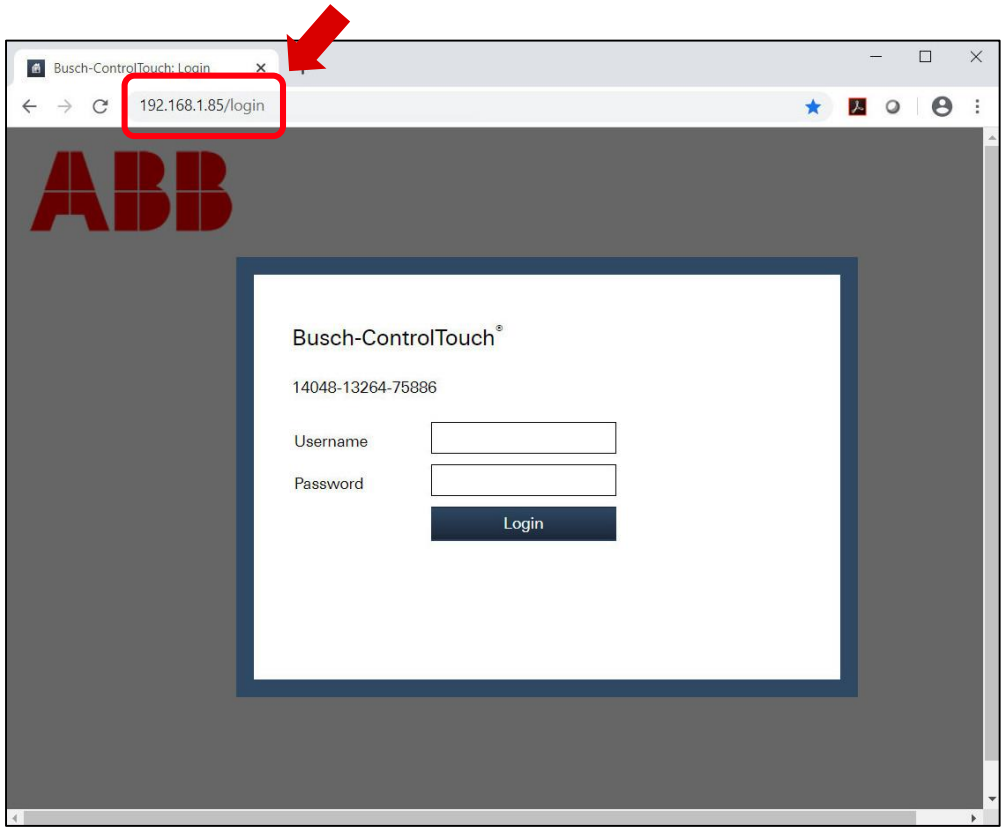
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Settings in the Busch-ControlTouch® device - direct access

Some settings can only be made via direct access (local IP address, e.g. 192.168.1.85) to the device

These settings (e.g. network settings, location, firmware update) are then available only specially for this device



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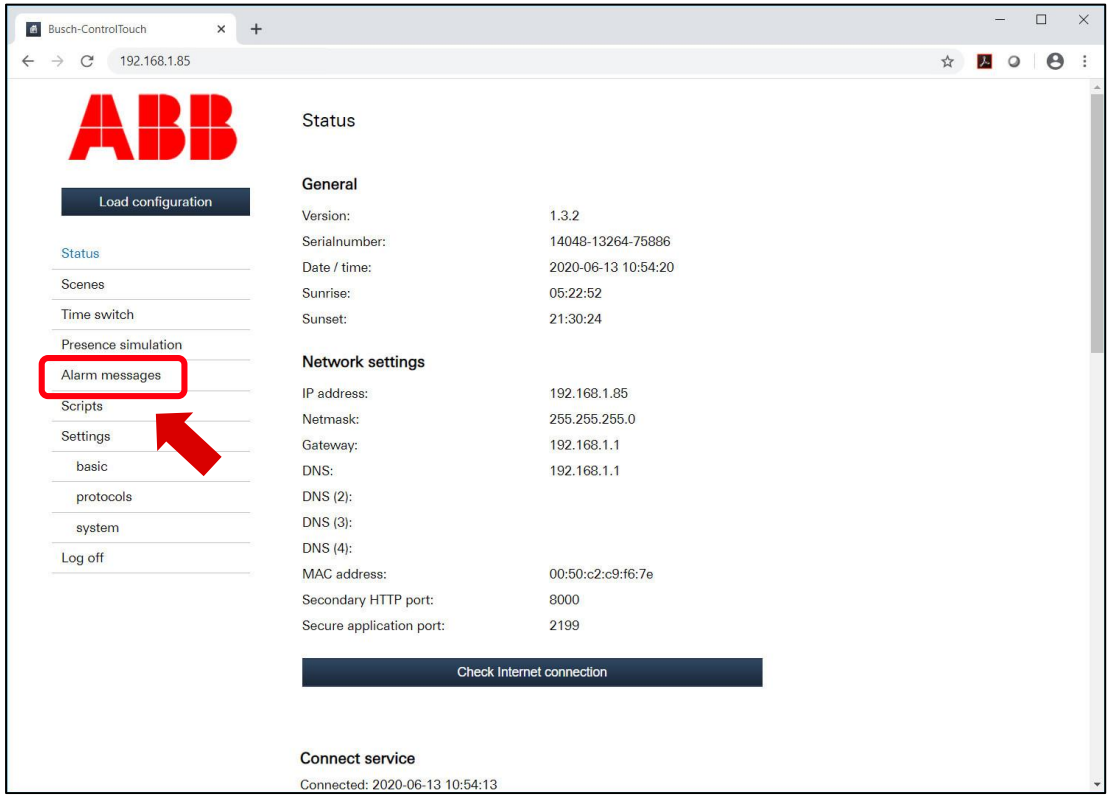
Settings in the Busch-ControlTouch® device - direct access

Some settings can only be made via direct access (local IP address, e.g. 192.168.1.85) to the device

These settings (e.g. network settings, location, firmware update) are then available only specially for this device

Further options:

- Scenes can be created and administered via “Scenes”
- Time programs can be created and administered via “Time switch”
- On the “Presence simulation” page, the simulation status can be modified (using the play/record/stop buttons)
- The available scripts can be viewed via “Scripts“
  Scripts can also be deactivated/activated via the overview list
- **Display of existing alarm messages via “Alarm messages”**



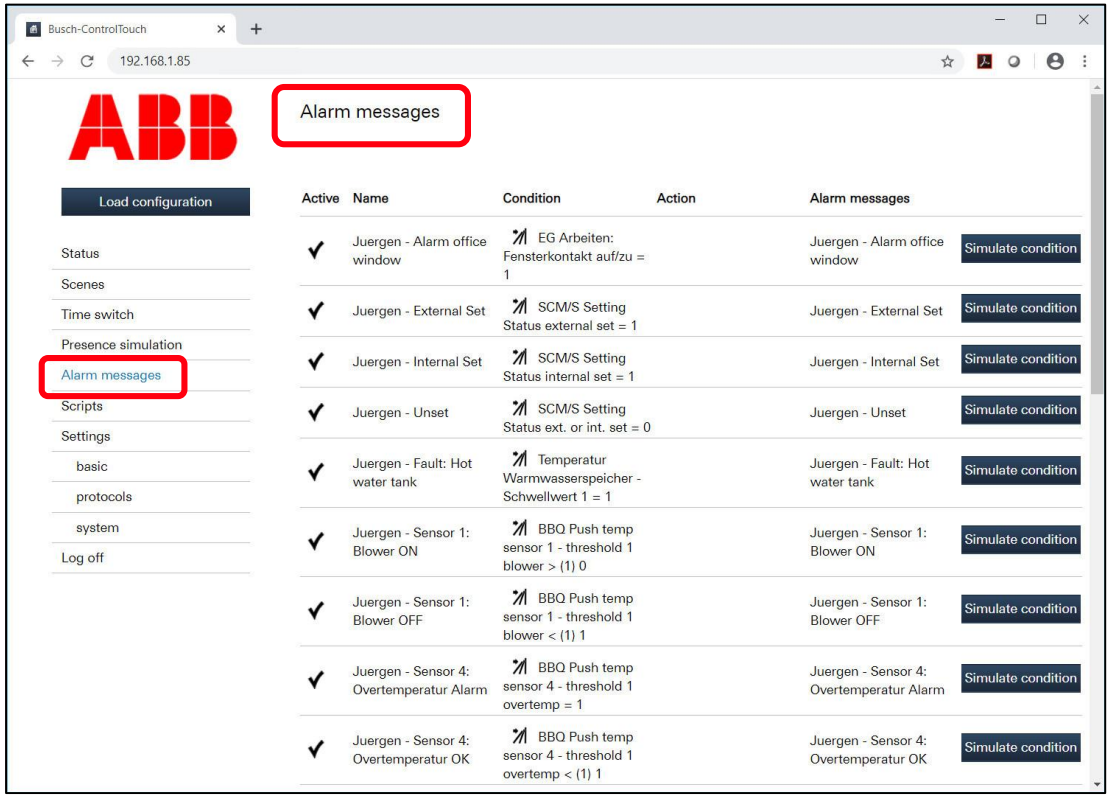
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Settings in the Busch-ControlTouch® device - direct access

Display of existing alarm messages

– Existing alarm messages can be viewed via “Alarm messages”



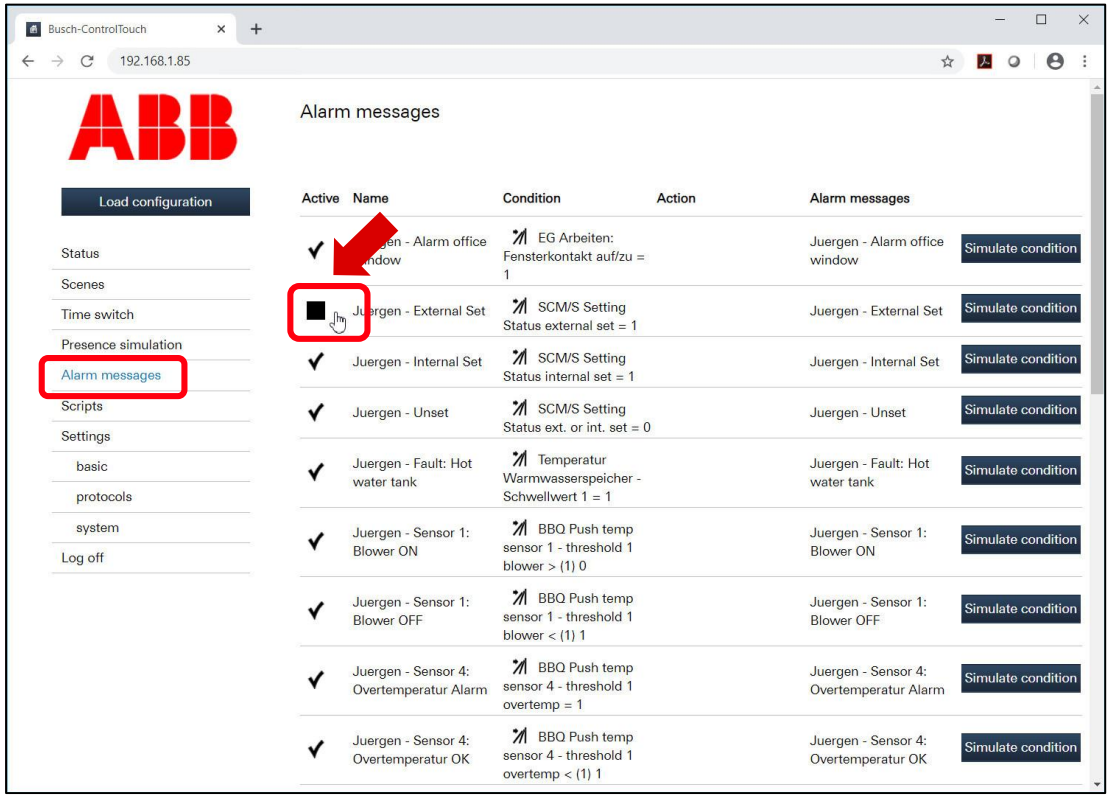
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Settings in the Busch-ControlTouch® device - direct access

Display of existing alarm messages

- Existing alarm messages can be viewed via “Alarm messages”
- The alarm messages can be deactivated/activated via the overview list



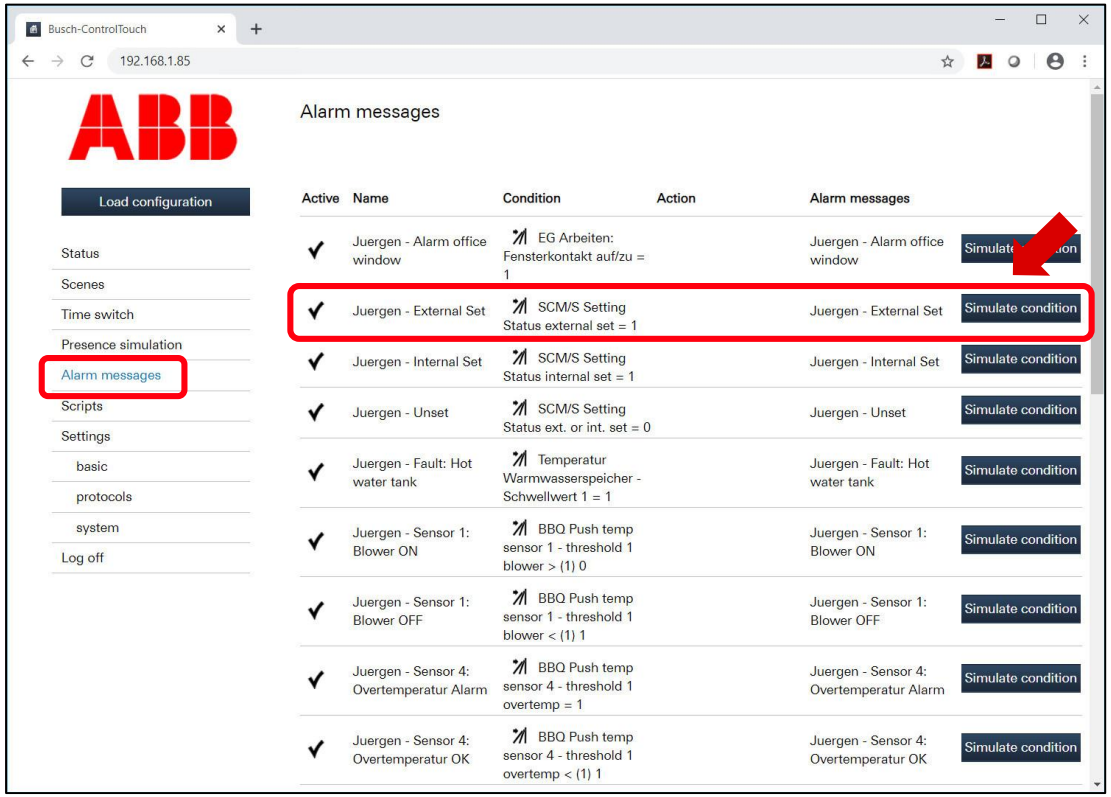
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Settings in the Busch-ControlTouch® device - direct access

Display of existing alarm messages

- Existing alarm messages can be viewed via “Alarm messages”
- The alarm messages can be deactivated/activated via the overview list
- The conditions can additionally be simulated
  → This allows the alarm message to be tested



KNX Busch-ControlTouch® - Alarm Functions

Setting of the app (smartphone/tablet)

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Setting of the app (smartphone/tablet)

The building automation system is controlled directly via the app

– It is used, for example, to switch lamps on or off

Settings for the display and further specifications can be adjusted in the config menu

– Load configuration profile

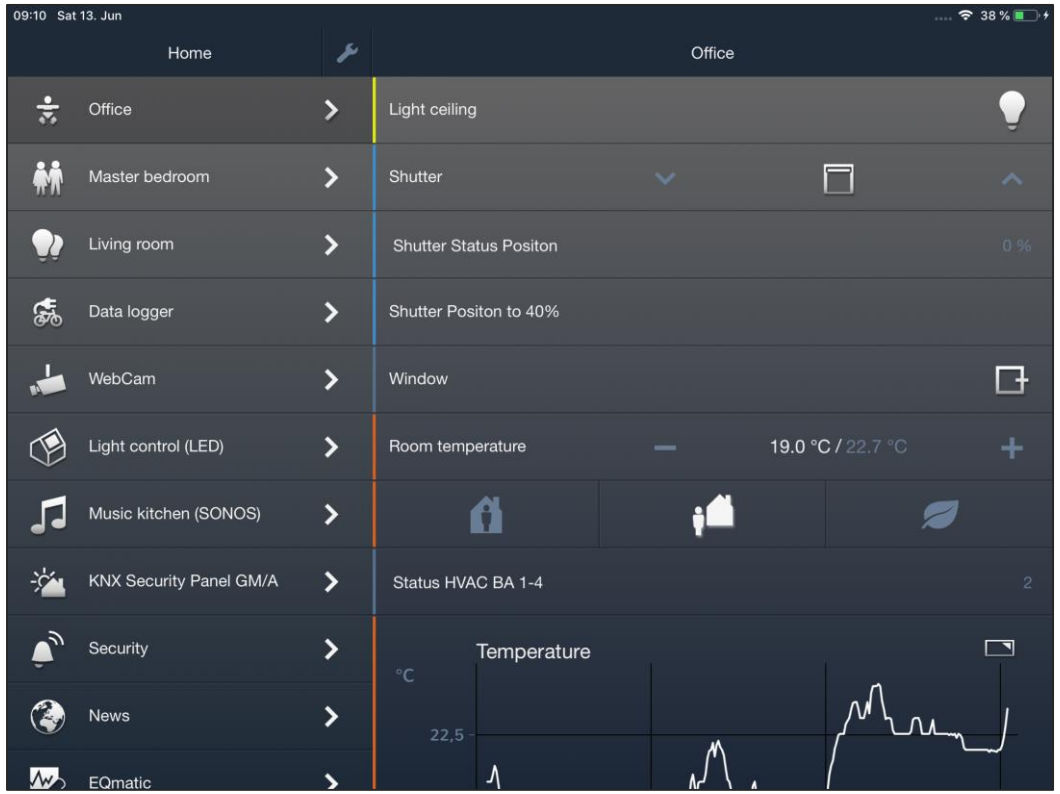
– Users can scan a ControlTouch configuration QR code directly for the creation of an account

– Time programs can be created and administered

– End customer can adjust scenes in the app personally

– In the “Presence simulation” menu, the user of the presence simulation can add the components which are recorded for playback later on

– **Read all reported alarm messages from the “Alarm log”**



KNX Busch-ControlTouch® - Alarm Functions

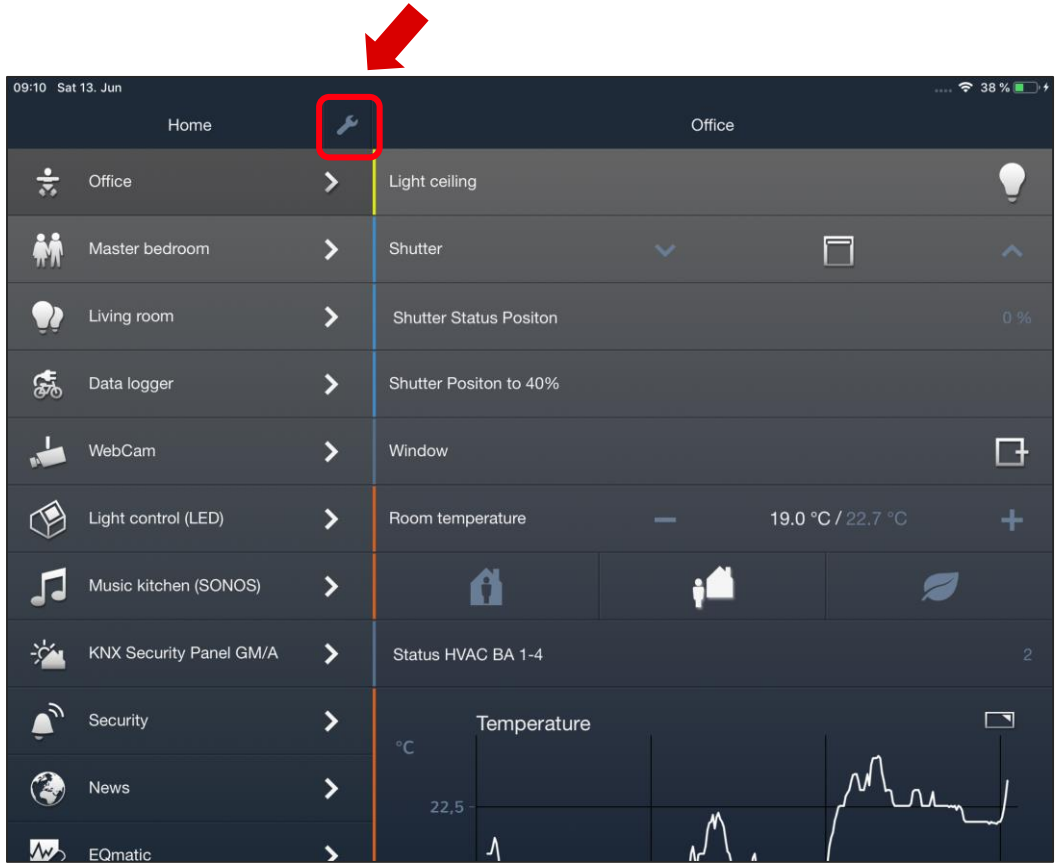
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Setting of the app (smartphone/tablet)

Alarm log

– Access can be secured with the entry of a PIN

– Click on the tool icon



KNX Busch-ControlTouch® - Alarm Functions

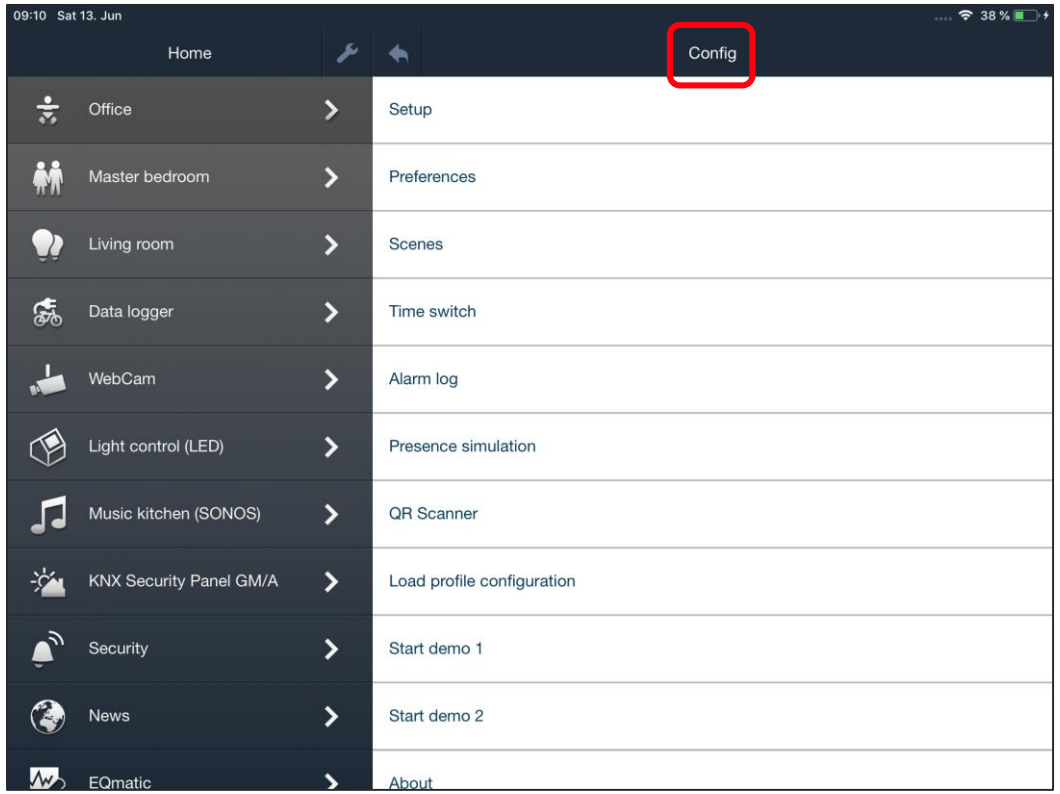
Online Learning Session

Setting of the app (smartphone/tablet)

Alarm log

– Access can be secured with the entry of a PIN

– Click on the tool icon 
→ The config window opens



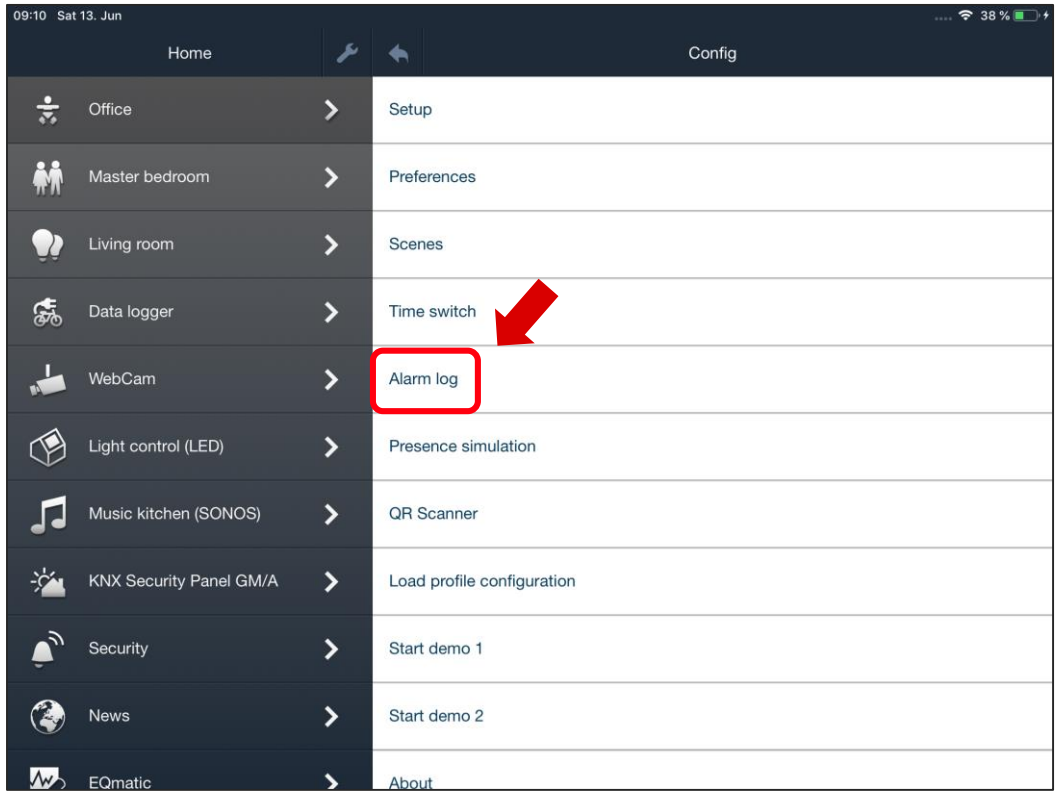
KNX Busch-ControlTouch® - Alarm Functions

Online Learning Session

Setting of the app (smartphone/tablet)

Alarm log

- Access can be secured with the entry of a PIN
- Click on the tool icon
  → The config window opens
- Click on “Alarm log” to open it



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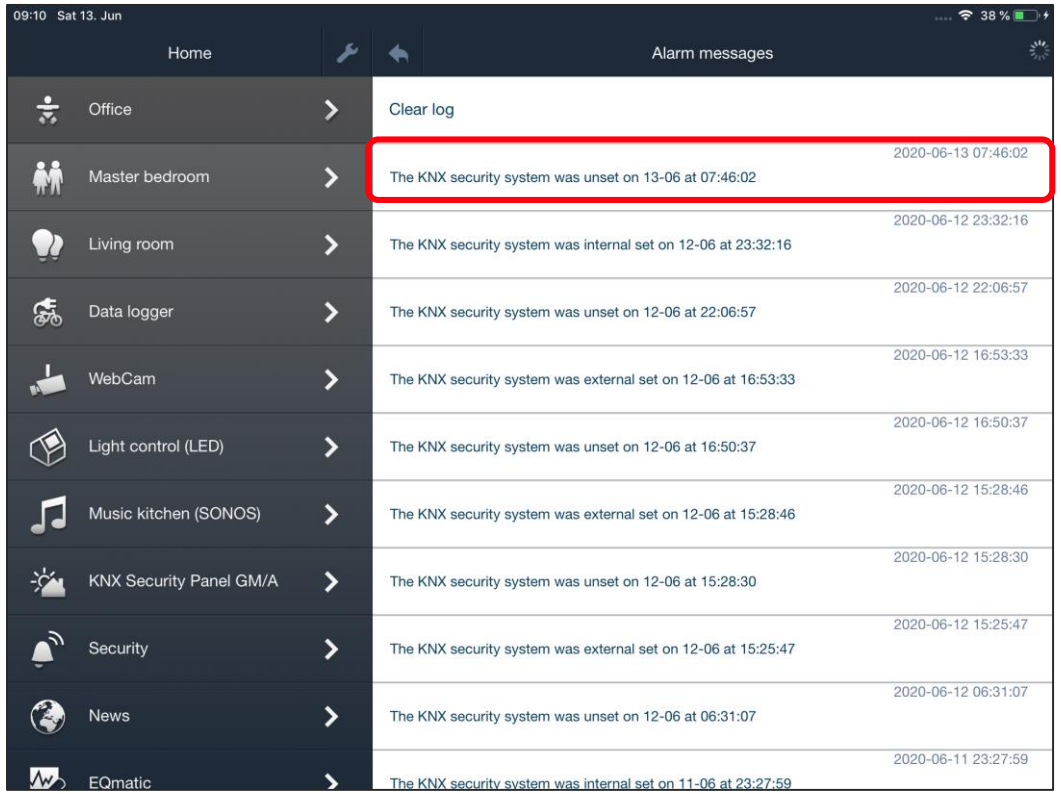
KNX Busch-ControlTouch® - Alarm Functions

Online Learning Session

Setting of the app (smartphone/tablet)

Alarm log

- Access can be secured with the entry of a PIN
- Click on the tool icon
  → The config window opens
- Click on “Alarm log” to open it
  → All reported alarm messages are displayed in the window
  → Including the date and time stamp



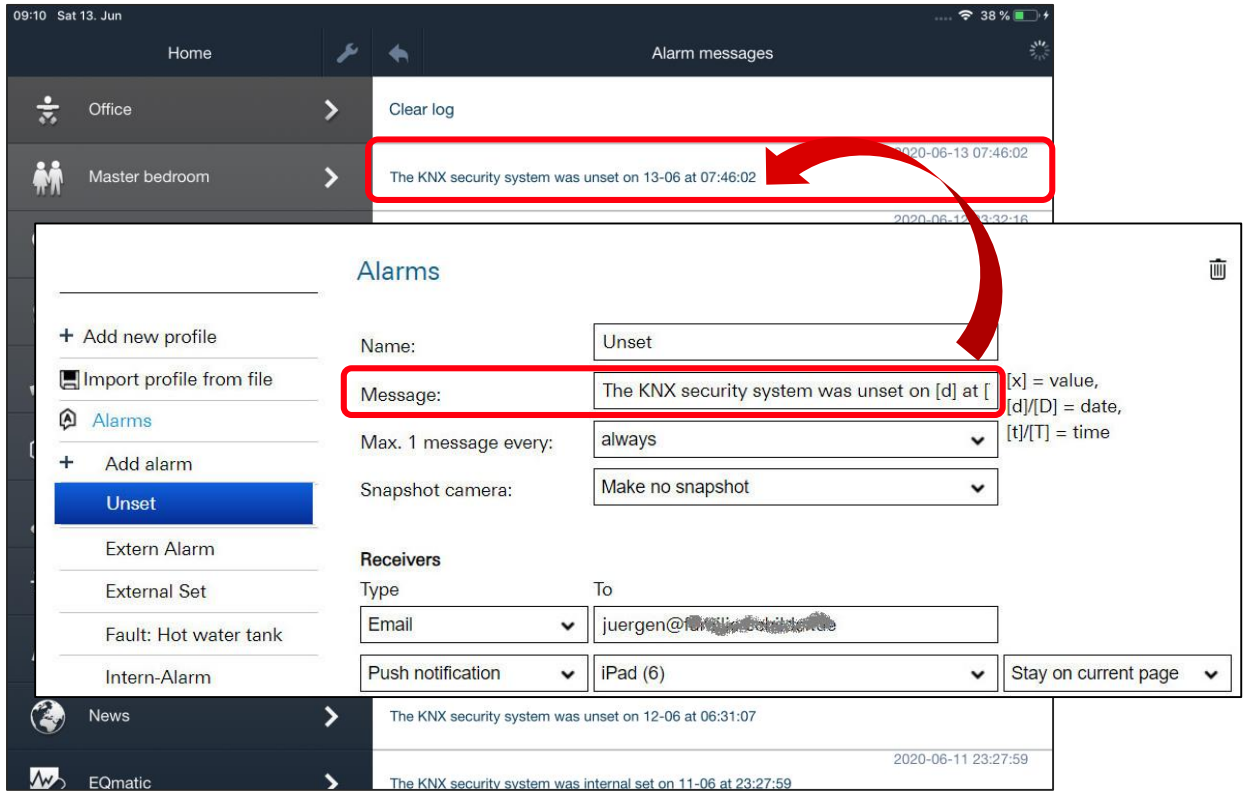
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Online Learning Session

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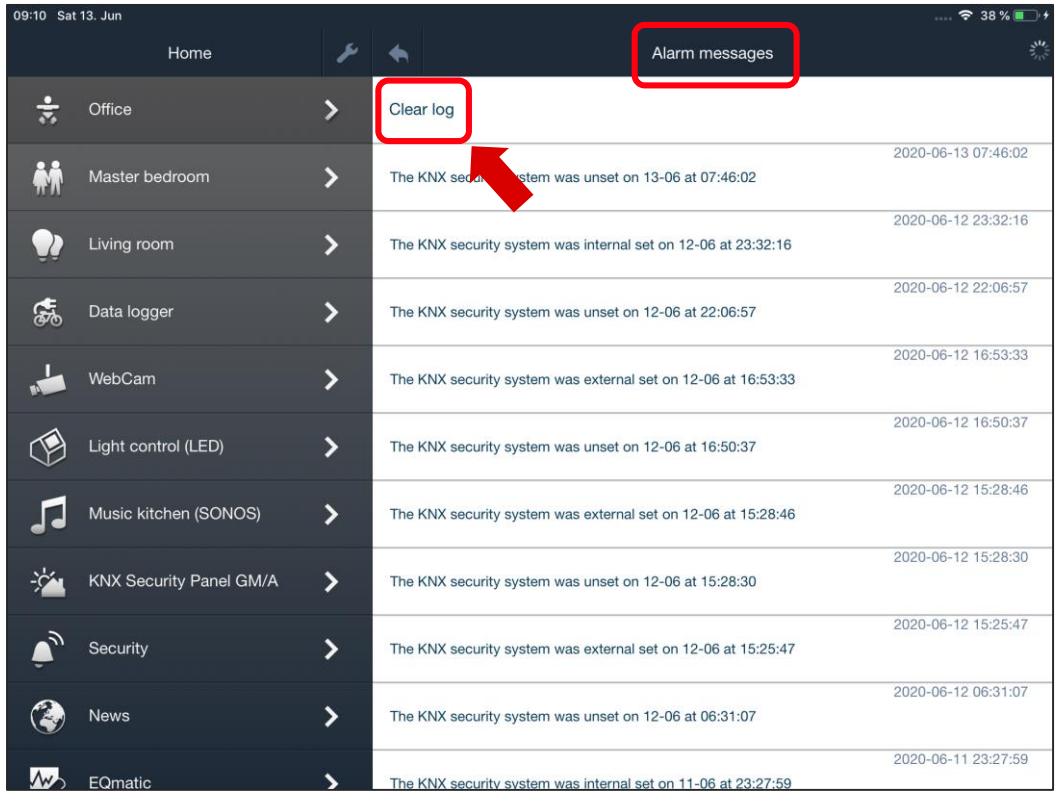
KNX Busch-ControlTouch® - Alarm Functions

Online Learning Session

Setting of the app (smartphone/tablet)

Alarm log

- Access can be secured with the entry of a PIN
- Click on the tool icon
  → The config window opens
- Click on “Alarm log” to open it
  → All reported alarm messages are displayed in the window
  → Including the date and time stamp
- The complete list can be deleted



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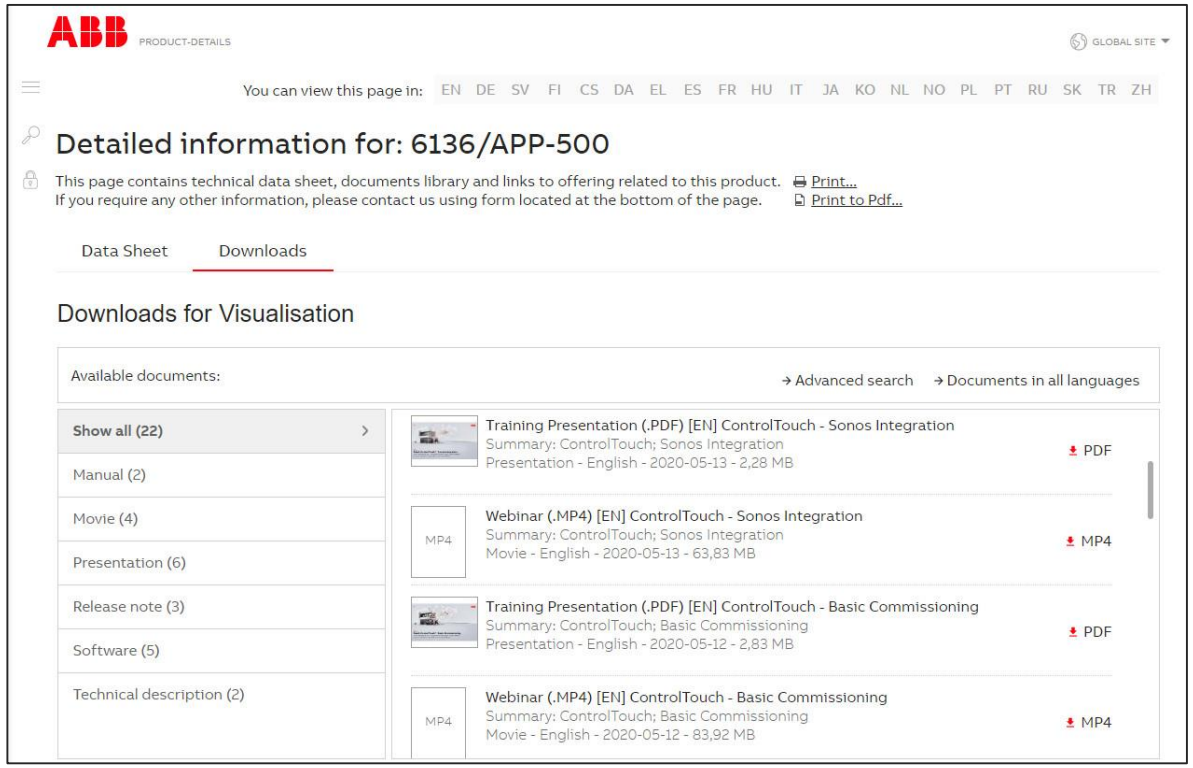
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Homepage

www.abb.com/KNX

→ Products and Downloads
→ Visualisation, Display and Signalling
→ Visualisation

- Product Manual
- Technical description
- Software
- Installation and Operating Instructions
- Presentations
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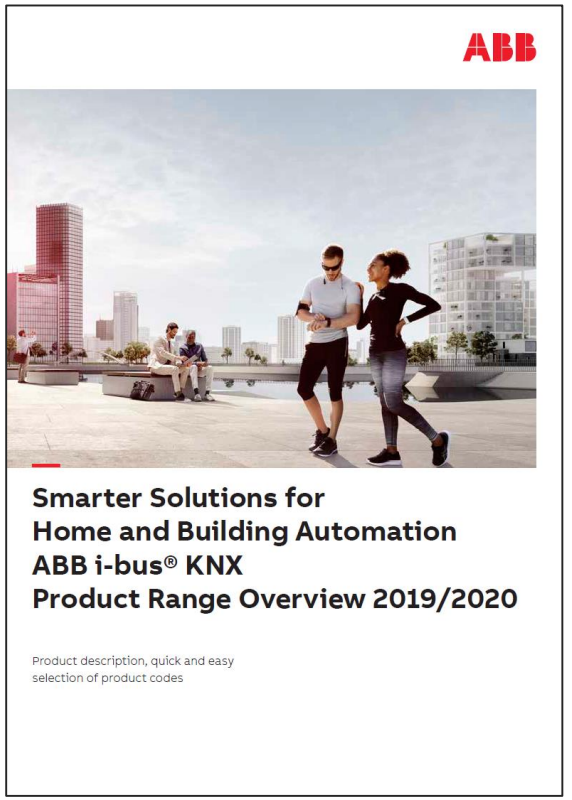
Product Range Overview

Smarter Solutions for Home and Building Automation

ABB i-bus KNX

Product Range Overview 2019/2020

LINK



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Training Material

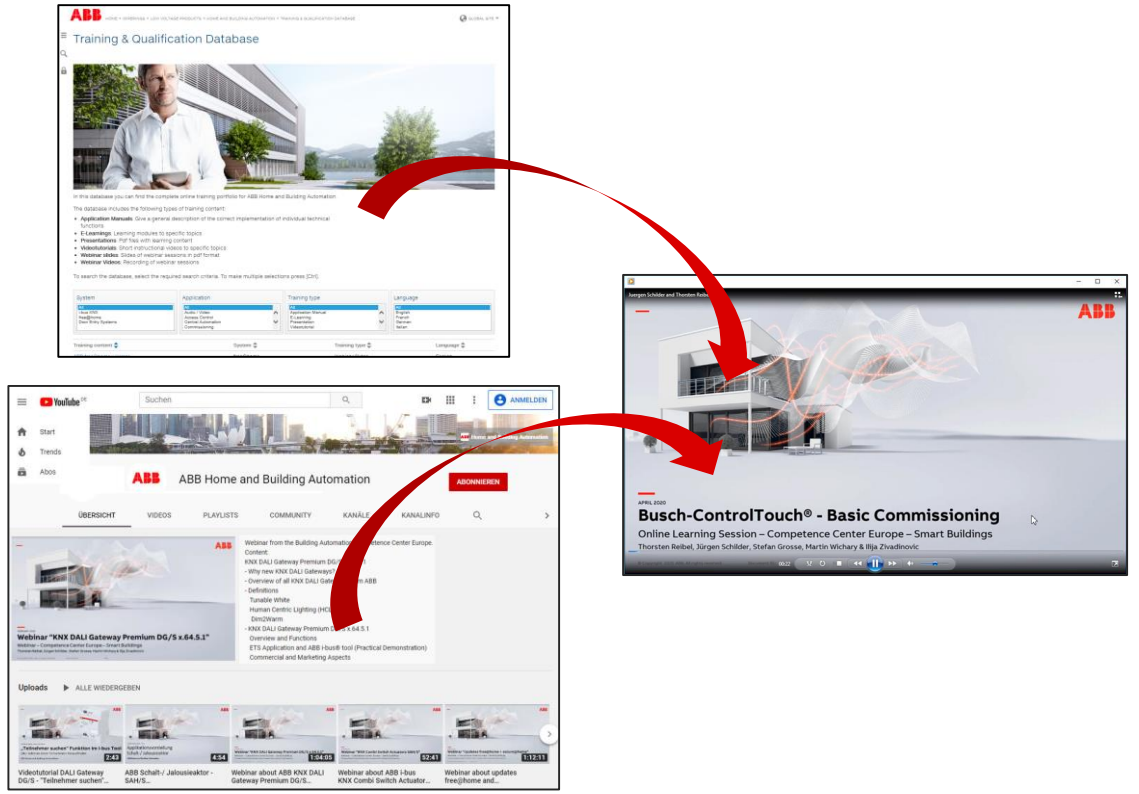
Training & Qualification Database

– The database contains extensive training content
  - Presentations
  - Video tutorials
  - Webinar slides and videos
  - and more …
  - https://go.abb/ba-training
  - ww.abb.com/knx (→ Services & Tools → Training and Qualification → Training Database)

YouTube

– Channel “ABB Home and Building Automation”
  - https://www.youtube.com/user/ABBibusKNX

Training and Qualification



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Training & Qualification Calendar

In addition to the online modules and the traditional training programs offered by your local ABB sales team, we offer a variety of on-site trainings conducted by our specialists at different ABB training facilities

In this Training & Qualification Calendar you can find the educational events that are taking place during 2020

If you are interested in a training please click the training und you will be forwarded to register in “ABB MyLearning”

www.abb.com/knx or https://go.abb/ba-training

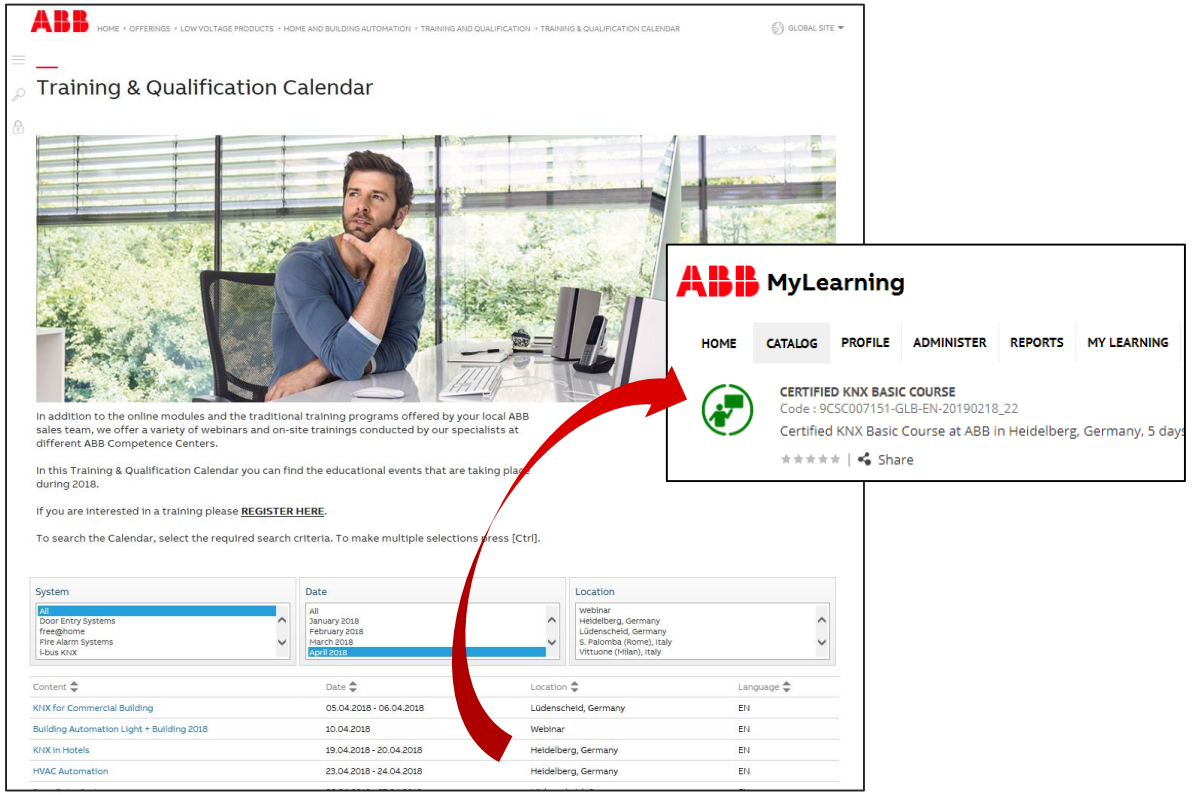
→ Services & Tools

→ Training and Qualification

→ Training Calendar



Training and Qualification



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