

#### NOVEMBER 2020

# ABB RoomTouch<sup>®</sup> KNX – Alarm Messages, Time Programs, ...

### Online Learning Session – Competence Center Europe – Smart Buildings

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### Webinar – Competence Center Europe - Smart Buildings



**ABB STOTZ-KONTAKT GmbH** Heidelberg / Germany







ABB Busch-Jaeger Luedenscheid / Germany





Agenda

Introduction

Fault and Alarm Messages

Time Programs

**Further Functions** 

**Favourite Control Elements** 

**Proximity Sensor** 

**Primary Function** 

Information Starting Page

Screensaver



#### ABB RoomTouch<sup>®</sup> KNX

Easy operation, easy commissioning, easy installation according to customer desire, regardless of private home, meeting room or hotel

- Small touch displays to control rooms are upcoming
- A touch panel is more flexible then a static push-button
- Lots of functions on a small space
- High quality of material:
  - Glass
  - Metal
- Known smartphone control concept by wiping up/down left/right



Introduction

### ABB RoomTouch® KNX

- ABB RoomTouch<sup>®</sup> will expand our range by an additional highquality KNX Touch panel
- One device and two colors (black and white)
- One Panel that can be mounted portrait and landscape
- New operating concept for quick operation of your lights, blinds, temperature, scenes and audio
- Flat, good looking device with enough functions for a room and for the right price
- Integrated temperature sensor
- Proximity sensor will switch on the device when I am near to it
- Quick switch off when the room is dark (bedroom application)
- Commission via ETS and DCA



Several units in <u>one</u> room, e.g. lighting, dimming, shutters, air conditioning, audio/video, ...



Introduction

#### ABB RoomTouch® KNX

- Maximum of 30 control elements
  - Switch, Dimmer (4-bit and 8-bit), Shutter
  - RTC
  - Display element
  - Split unit control and Fan speed control
  - RGB(W) / White colour control (WW/CW)
  - Audio control
  - Scene

- ...

- Fault and alarm messages
- Time programs
- Logical functions





Introduction

#### ABB RoomTouch<sup>®</sup> KNX

Webinar about installation, operating concept, commissioning with DCA, ... (Sept. 2020)

- Presentation  $\rightarrow$  Link
- Video recording  $\rightarrow$  Link

#### Homepage

• ...

- <u>www.abb.com/knx</u>  $\rightarrow$  Visualisation, Display and Signalling
  - Product Manual
  - Installation and Operating Instructions
  - ETS Application (\*.knxprod)
  - ETS App ABB Touch DCA (\*.etsapp)





1 PDF

1 PDF

1 MP4

KNXPROD

Application "Fault and alarm messages"

Application "Fault and alarm messages"

#### **Overview**

- The ABB RoomTouch® offers protection and information during malfunctions or faults
- Contacts, sensors, values, devices, ... and their functionality can be monitored
- The messages desired in case of a fault or an alarm can be set individually (type, acoustic alarm signal, confirming, archiving, ...)
- There are 20 fault and alarm messages available
- A message can be shifted into the archive and also be stored on the SD card as CSV file
- The current and archived messages are displayed and edited on the menu page "Alarm"



Application "Fault and alarm messages"

- The ABB RoomTouch<sup>®</sup> is parameterized with the "ABB Touch DCA" (device configuration app) like all other panels (SmartTouch, IP touch 7, ...)
- Add ABB RoomTouch to the building or topology view



Application "Fault and alarm messages"

- The ABB RoomTouch<sup>®</sup> is parameterized with the "ABB Touch DCA" (device configuration app) like all other panels (SmartTouch, IP touch 7, ...)
- Add ABB RoomTouch to the building or topology view
- Click on the "DCA" tab and start the commissioning



Application "Fault and alarm messages"

- The ABB RoomTouch<sup>®</sup> is parameterized with the "ABB Touch DCA" (device configuration app) like all other panels (SmartTouch, IP touch 7, ...)
- Add ABB RoomTouch to the building or topology view
- Click on the "DCA" tab and start the commissioning
  - Open the "Applications" tab



Application "Fault and alarm messages"

- The ABB RoomTouch<sup>®</sup> is parameterized with the "ABB Touch DCA" (device configuration app) like all other panels (SmartTouch, IP touch 7, ...)
- Add ABB RoomTouch to the building or topology view
- Click on the "DCA" tab and start the commissioning
  - Open the "Applications" tab
  - Click on "Fault and alarm messages"





Application "Fault and alarm messages"

- The ABB RoomTouch<sup>®</sup> is parameterized with the "ABB Touch DCA" (device configuration app) like all other panels (SmartTouch, IP touch 7, ...)
- Add ABB RoomTouch to the building or topology view
- Click on the "DCA" tab and start the commissioning
  - Open the "Applications" tab
  - Click on "Fault and alarm messages"
  - Activate the parameter "Use fault and alarm messages" and set the general parameters



Application "Fault and alarm messages"

- The ABB RoomTouch<sup>®</sup> is parameterized with the "ABB Touch DCA" (device configuration app) like all other panels (SmartTouch, IP touch 7, ...)
- Add ABB RoomTouch to the building or topology view
- Click on the "DCA" tab and start the commissioning
  - Open the "Applications" tab
  - Click on "Fault and alarm messages"
  - Activate the parameter "Use fault and alarm messages" and set the general parameters
  - All fault and alarm messages can be added, edited and deleted





Application "Fault and alarm messages"

#### **General parameters**

- Use fault and alarm messages
- Page PIN-protected (PIN code level 1-3)
- Enable export (SD card)
- Filename (CSV)
- Automatic archive at an acknowledgement (archive page)
  - NO: Automatic archive when the alarm is no longer active
- Sound (five different signal tones are available) for
  - Alarm\*
  - Hint\*
  - Fault\*
- Sound volume preset [%]\*

\*Can also be changed by the user in the "System Settings" menu

Ender and the second	$\checkmark$	
Page PIN-protected		
PIN-code level	Level 1	*
Enable export	$\checkmark$	
Filename [.CSV]	Alarm	
Automatic archive at an acknowledge		
Automatic archive when the alarm is no longer active		
Sound for alarm	1	\$
Sound for hint	2	\$
Sound for fault	3	\$
Sound volume preset [%]	100	÷

Application "Fault and alarm messages"

- Create a fault and alarm message
  - Click the "+" button and a new alarm "Message X" will be added





Application "Fault and alarm messages"

- Create a fault and alarm message
  - Click the "+" button and a new alarm "Message X" will be added
  - Click on the "Message X" tab





Application "Fault and alarm messages"

- Create a fault and alarm message
  - Click the "+" button and a new alarm "Message X" will be added
  - Click on the "Message X" tab
  - Set the parameters



Application "Fault and alarm messages"

### **Commissioning with the ETS**

- Create a fault and alarm message
  - Click the "+" button and a new alarm "Message X" will be added
  - Click on the "Message X" tab
  - Set the parameters
  - Link group addresses
  - Download individual address and application

• ...





Application "Fault and alarm messages"

- Create a fault and alarm message
  - Click the "+" button and a new alarm "Message X" will be added
  - Click on the "Message X" tab
  - Set the parameters
  - Link group addresses
  - Download individual address and application
  - ...
  - Right mouse click: Copy, paste, rename, delete, ...





Application "Fault and alarm messages"

#### Parameter

- Name of message
- Type of message
  - Alarm
  - Hint
  - Fault
- Type of alarm
- Text for alarm message (max. 60 characters)
- Send 0 at acknowledge
- Acoustic alarm signal
  - Time of the audio signal [min]
  - Repeat of alarm as long as it is active
  - Repeat time [min]

Name of message	Wateralarm Kitchen	
Type of message	Alarm	
ype of the alarm	1 bit 14 byte	
ext for alarm message	Wateralarm Kitchen> Close v	alve no. 7
end 0 at acknowledge	$\checkmark$	
coustic alarm signal		
ime of the audio signal [min]	1	1
Repeat alarm as long as it is active	$\checkmark$	
Repeat time [min]	30	12

Application "Fault and alarm messages"

#### Fault and alarms



Type of message: Alarm

Type of message			
i)pe of message	ırm 🔻		
Type of the alarm	<ul> <li>1 bit</li> <li>14 byte</li> <li>Water alarm Kitchen&gt; close valve no. 7</li> </ul>		
Text for alarm message Wat			
Send 0 at acknowledge			
Acoustic alarm signal	$\checkmark$		
Time of the audio signal [min] 1			
Repeat alarm as long as it is active			
Repeat time [min] 30			

Application "Fault and alarm messages"

		Parameter		
		Name of message	Message 1 "Alarm"	
	09:56 Mo 26-10-20	Type of message	Alarm	,
		Type of the alarm	1 bit 14 byte	
ALARM	26.10.20.09.55	Text for alarm message	Water alarm Kitchen> close valve no.	
ALARIM	59-10-20 (93)90	Send 0 at acknowledge	<b>v</b>	
Water alarm H	itchen> Close valve no. 7	Acoustic alarm signal	✓	
		Time of the audio signal [min]	1	
TIMER	SYSTEM	Repeat time [min]	30	
			97 <b>4 9</b> 7	
		33: Message 1 [1 bit] - input/output	it 💶 📕	
		I straight is a straight in the strai	- input/output	
Туре о	f message: Alarm			

Application "Fault and alarm messages"



Application "Fault and alarm messages"



Application "Fault and alarm messages"

#### Fault and alarms



Type of message: Alarm

	Message 1 "Alarm"	
Type of message	Alarm	
Type of the alarm	1 bit 14 byte	
Text for alarm message	Water alarm Kitchen> close valve no. 7	
Send 0 at acknowledge	~	
Acoustic alarm signal	$\checkmark$	
Time of the audio signal [min]	1	\$
Repeat alarm as long as it is active	$\checkmark$	
Repeat time [min]	30	\$

Application "Fault and alarm messages"

#### Fault and alarms



Type of message: Hint

Name of message	Message 2 "Hint"		
Type of message	Hint		
Type of the alarm	1 bit 14 byte		
Text for alarm message	Maintenance of the filter system		
Send 0 at acknowledge	Y		
Acoustic alarm signal			
Time of the audio signal [min]	1		
Repeat alarm as long as it is active	✓		
Repeat time [min]	30	\$	
Repeat time [min] Communication Objects	30 it - input/output		

Application "Fault and alarm messages"

#### Fault and alarms



Type of message: Fault

Name of message	Message 3 "Fault"		
Type of message	Fault		
Type of the alarm	1 bit 14 byte		
Text for alarm message	Boiler temperature too low		
Send 0 at acknowledge	~		
Acoustic alarm signal	$\checkmark$		
Time of the audio signal [min]	1	\$	
Repeat alarm as long as it is active	$\checkmark$		
Repeat time [min]	30	\$	
Communication Objects 29: Message 1 [1 bit] - input/output 41: Acknowledge message 1 [1 bit]	t - input/output		

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Application "Fault and alarm messages"

#### Fault and alarms



Type of message: Alarm (14 byte)

lame of message	Message 4 "Alarm Text"	
Type of message	Alarm	•
Type of the alarm	1 bit 💿 14 byte	
Send text at acknowledge	$\checkmark$	
Text at acknowledge	Alarm XYZ ackn	
Acoustic alarm signal	$\checkmark$	
Time of the audio signal [min]	1	÷
Communication Objects		
Communication Objects		
Communication Objects  42: Message 1 [14 bytes] - input		
Communication Objects 42: Message 1 [14 bytes] - input 43: Acknowledge message 1 [14	bytes] - output	

Application "Fault and alarm messages"



Application "Fault and alarm messages"



Application "Fault and alarm messages"

#### Fault and alarms – Example: Security Module SCM/S 1.1 and intrusion alarm

Security Module SCM/S 1.1 sends 14 byte text messages:

- Text setting status, e.g. unset, ready to set, externally set, ...
- Name and type of alarm, e.g. intrusion, panic alarm, tamper,...

- Detector	names	All Min School II Constant All House Hit School III		Type of the alarm Send text at acknowledge Text at acknowledge Acoustic alarm signal Time of the audio signal [min]	<ul> <li>○ 1 bit</li> <li>✓</li> <li>Alarm acknow</li> <li>✓</li> <li>1</li> </ul>	● 14 byte wl.
Number *	Name	Object Function	Length	Communication Objects		
23	Setting	Text, setting status	14 bytes	Intrusion" 42: Message 1 [14 bytes] - input		
2 33	Alarming	Text, alarm type	14 bytes 14 byte	↓ ■↓ 43: Acknowledge message 1 [14]	bytes] - output	Alarm acknow
2/24	Alarming	Ext sig dev strobe light	1 hit 1 hit	h = 44: Acknowledge message 1 [1 h	it] - input/output	<b>——</b> "1"

Parameter

Name of message

Type of message

.

Type of alarm - Security Module

Alarm

Application "Fault and alarm messages"

#### Fault and alarms - Example: Security Module SCM/S 1.1 and intrusion alarm

Security Module SCM/S 1.1 sends 14 byte text messages:

- Text setting status, e.g. unset, ready to set, externally set, ...
- Name and type of alarm, e.g. intrusion, panic alarm, tamper,...


Application "Fault and alarm messages"

#### Fault and alarms



Main menu

Menu page "Alarm"

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Application "Fault and alarm messages"

#### Fault and alarms



Application "Fault and alarm messages"





Application "Fault and alarm messages"



Application "Fault and alarm messages"



Application "Fault and alarm messages"



Application "Time Programs"

Application "Time Programs"

#### **Overview**

The ABB RoomTouch® multifunctional room control and offers further functions, such as 10 time programs with 6 switching times (time slots) each

Time programs can be used to call up functions according to the time automatically

The general settings can be made via the ETS

Further setting/selection options are made by the user in the menu page "Timer"

The vacation function and the blocking of all time programs can be activated/deactivated via KNX telegrams

Time and date of the ABB RoomTouch® can be sent/received via KNX telegrams or set by the user



Application "Time Programs"

#### Commissioning with the ETS

- The ABB RoomTouch<sup>®</sup> is parameterized with the "ABB Touch DCA" (device configuration app) like all other panels (SmartTouch, IP touch 7, ...)
- Add ABB RoomTouch to the building or topology view
- Click on the "DCA" tab and start the commissioning
  - Open the "Applications" tab
  - Click on "Time programs"
  - Activate the parameter "Use time programs" and set the general parameters
  - All time programs can be added, edited and deleted by the user in the menu page "Timer"





Application "Time Programs"

#### **General parameters**

- Use time programs
- Page PIN-protected
- PIN-code level (1...3)
- Overwrite time programs at download

Parameter		
Use time programs Page PIN-protected	✓ ✓	
PIN-code level	Level 1	*
Overwrite time programs at download	Y	
		_
Communication Objects		Group Addresses
Communication Objects		Group Addresses
□ Communication Objects ■☆ 3: Block all timeprograms - input ■☆ 4: Activate vacation - input		Group Addresses Group Addresses Group Addresses Rained States

Application "Time Programs"

#### **Time programs**

The time programs application (timer) is called up as follows:

- Call up the main menu page
- Select "Timer"



Main menu

Application "Time Programs"

#### **Time programs**

The time programs application (timer) is called up as follows:

- Call up the main menu page
- Select "Timer"
- The "Timer" overview page with the time programs that has already been created is displayed



Application "Time Programs"

#### **Overview time programs and time slots**



Maximum of 30 control elements (switch, dimmer, shutter, RTC, RGB(W), audio control, scene, ...)

Application "Time Programs"

#### **Overview time programs and time slots**



Maximum of 30 control elements (switch, dimmer, shutter, RTC, RGB(W), audio control, scene, ...)

Application "Time Programs"

#### Overview time programs and time slots



Maximum of 30 control elements (switch, dimmer, shutter, RTC, RGB(W), audio control, scene, ...)

Application "Time Programs"

#### Overview time programs and time slots



Application "Time Programs"

#### Creating a new time program

- Use the "+" to create a new time program



Application "Time Programs"

- Use the "+" to create a new time program
- Select the control element that is to become part of a time program and continue with the arrow



Application "Time Programs"

- Use the "+" to create a new time program
- Select the control element that is to become part of a time program and continue with the arrow
- Define the function of the control element
   e.g. on/off/up/down/RGB colour/brightness/scene/...



Application "Time Programs"

- Use the "+" to create a new time program
- Select the control element that is to become part of a time program and continue with the arrow
- Define the function of the control element
   e.g. on/off/up/down/RGB colour/brightness/scene/...
- Specify time parameters
  - Starting and end time
  - Activate the optional astro function
  - Weekdays
  - Select the desired vacation function (always, only at vacation or not at vacation)
- Complete the setup of the time program with the first timer slot



Application "Time Programs"

- Use the "+" to create a new time program
- Select the control element that is to become part of a time program and continue with the arrow
- Define the function of the control element
   e.g. on/off/up/down/RGB colour/brightness/scene/...
- Specify time parameters
  - Starting and end time
  - Activate the optional astro function
  - Weekdays
  - Select the desired vacation function (always, only at vacation or not at vacation)
- Complete the setup of the time program with the first timer slot
- A time program can consist of max. 6 switching times (timer slots)



Application "Time Programs"

#### Editing time programs

- In the list, tap on the time program and select the time slot to be edited
- The editing view for this time program opens
- Adjustment of function
  - Specify time parameters (starting and end time, activate the optional astro function, weekdays)
  - Select the desired vacation function (always, only/not at vacation)



Application "Time Programs"

#### Setup of vacation function

- Tap on the "Set vacation/vacation not set" icon
- The window "Set vacation" opens
- Activate the function "Vacation activated" with the slider
- Specify the start and the end of the vacation
- The overview list with the updated vacation entry is displayed
- The vacation function can also be activated/deactivated via the group object "Time programs - Activate vacation"







Application "Time Programs"

#### Deleting time programs and time slots

- Press the time program/time slot and slide it to the left
- The dustbin icon appears
- Tap on the dustbin icon
- Confirm the deleting message



Further Functions

**Further Functions** 

#### Favourite control elements

Individually set controls elements can be created  $\rightarrow$  favourites

You can then use these favourite control elements repeatedly on other operating pages

The favourite control elements are managed in the "Applications" view (delete, rename)

A control element can be pulled out of the tree structure into an operating page via drag and drop



**Further Functions** 

#### Favourite control elements

How to add a control element to the favourites list

- Open the "Navigation" tab
- Select an operating page
- Select the control element in the page view and a red frame appears
- Set the parameters as desired
- Click in the icon bar of the work area or right mouse click
- Click on "Add to favourite"
- Enter the name of the favourite control element
- The control element is added to the favourite list



**Further Functions** 

#### **Proximity sensor**

Display will be switched on as soon as the proximity sensor (infrared) detects movement

The proximity sensor function can also be made by the user in the "Panel settings" menu (activate/deactivate, sensitivity)

- Sensitivity (1 = near ... 3 = max. distance) can be adjusted
- 1-bit output can be used, if proximity sensor is activated
  - "1" = on → proximity function is activated and display is switched on
  - "0" = off  $\rightarrow$  when display is switched off

Parameter	
Proximity sensor Use proximity to switch the display on Sensitivity of the proximity function (1 = nearby 3 = max. distance) Use 1-bit output object from proximity function Switch-on value Switch-off value Enable communication object "Disable Proximity" 1 bit Hantic feedback	<ul> <li>✓</li> <li>3</li> <li>✓</li> <li>Off On</li> <li>Off On</li> </ul>
Communication Objects	
<ul> <li>8: Display brightness - input</li> <li>9: Backlight on/off - input</li> <li>10: Backlight status - output</li> <li>11: Proximity function - output</li> </ul>	^
	<ul> <li>Parameter</li> <li>Proximity sensor</li> <li>Use proximity to switch the display on Sensitivity of the proximity function (1 = nearby 3 = max. distance)</li> <li>Use 1-bit output object from proximity function</li> <li>Switch-on value</li> <li>Switch-off value</li> <li>Enable communication object "Disable Proximity" 1 bit</li> <li>Hantic feedback</li> <li>Communication Objects</li> <li>8: Display brightness - input</li> <li>9: Backlight on/off - input</li> <li>10: Backlight status - output</li> <li>11: Proximity function - output</li> <li>13: Screensaver on/off - input</li> </ul>

**Further Functions** 

#### **Primary function**

The primary function is the first function of the device which is carried out when the user touches the display with <u>at least 3 fingers</u> <u>at the same time</u>

The primary function should be a function that the user would use when entering the room for example (e.g. switching the ceiling light, call a welcome or panic scene)

- Icon for primary function
- Object type (1 bit, 1 byte, scene or RTC operation mode)
- Reaction on press (value 1, value 2, alternating or inactive)
- Reaction on release (value 1, value 2, alternating or inactive)
- Value 1 and 2 (on/off, 0...100%, 0...255, scene number, RTC operation mode)



**Further Functions** 

#### **Primary function**

The primary function is the first function of the device which is carried out when the user touches the display with <u>at least 3 fingers</u> <u>at the same time</u>

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- Icon for primary function
- Object type (1 bit, 1 byte, scene or RTC operation mode)
- Reaction on press (value 1, value 2, alternating or inactive)
- Reaction on release (value 1, value 2, alternating or inactive)
- Value 1 and 2 (on/off, 0...100%, 0...255, scene number, RTC operation mode)

Applications Navigation	Parameter	
System settings	Primary function Use Primary function	
<ul> <li>Fault and alarm messages</li> <li>Scenes actuator</li> <li>Time programs</li> <li>Logical functions</li> <li>RTC internal</li> <li>Favourite controls</li> </ul>	Object type	1 bit
	Reaction on press Reaction on release	Value 1 Value 2
	Value 1 Value 2	Off On Off On
	Communication Objects	
	11: Proximity function - output 13: Screensaver on/off - input 14: Screensaver status - output	ut ut ut
>	Delete	on - input

**Further Functions** 

#### Information starting page

This page is displayed only once

- After deactivation of the screen saver
- After activation of the panel (proximity sensor)
- Options for application in the hotel room or in meeting rooms, e.g to welcome someone

Up to 4 lines can be used

- Static text
- 14 byte object
- No

The information starting page can be activated/deactivated via KNX telegram



**Further Functions** 

#### Information starting page

- This page is displayed only once
- After deactivation of the screen saver
- After activation of the panel (proximity sensor)
- Options for application in the hotel room or in meeting rooms, e.g to welcome someone

Up to 4 lines can be used

- Static text
- 14 byte object
- No
- The information starting page can be activated/deactivated via KNX telegram

plications Navigation	Parameter	
System settings	Information starting page Use information starting page Use line 1	Static text
Fault and alarm messages Scenes actuator Time programs Logical functions RTC internal Favourite controls	Use line 2	14-byte text
	Use line 4 Static text line 1	No <text></text>
	Communication Objects	
	13: Screensaver on/off - input     14: Screensaver status - output     19: Activate Info page - input     19: Activate Info page - input	^

**Further Functions** 

#### Screensaver

- The screensaver is displayed depending on the time after the last actuation (no, 5, 10, 15, 30, 60 or 120 min)
- Screensaver mode
  - Clock (analog or digital, show seconds)
  - Slide show (interval time, push from right/fade, order random/alphabetical)

The images (jpg/png/bmp) must be located on the micro SD card in the "photo" folder. The micro SD card must remain inserted in the ABB RoomTouch® KNX

- Weather data (show: Outdoor temperature, rain, wind speed, brightness)
- The screensaver can be activated/deactivated via KNX telegram



**Further Functions** 

#### Screensaver

- The screensaver is displayed depending on the time after the last actuation (no, 5, 10, 15, 30, 60 or 120 min)
- Screensaver mode
  - Clock (analog or digital, show seconds)
  - Slide show (interval time, push from right/fade, order random/alphabetical)

The images (jpg/png/bmp) must be located on the micro SD card in the "photo" folder. The micro SD card must remain inserted in the ABB RoomTouch® KNX

- Weather data (show: Outdoor temperature, rain, wind speed, brightness)
- The screensaver can be activated/deactivated via KNX telegram
- The screensaver settings can also be made by the user in the "System Settings" menu (start after, mode, ...)



**Online Learning Session** 

Online Learning Session

#### Homepage

#### www.www.abb.com/KNX

- ightarrow Products and Downloads
  - ightarrow Visualisation, Display and Signalling
    - $\rightarrow$  Touch Panels RT/U
- Product Manual
- Installation and Operating Instructions
- ETS Application (\*.knxprod)
- ETS App ABB Touch DCA (\*.etsapp)
- Webinar recordings and presentations

- • • •

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Detailed information for	: RT/U30.0.1-811	
his page contains technical data sheet, docume you require any other information, please conta	ents library and links to offering related to this product. act us using form located at the bottom of the page.	
Data Sheet Downloads		
Downloads for Touch Panels		
Available documents:	→ Advanced search → Documents	in all languag
Show all (20)	Installation Instruction (.PDF) [XX] RoomTouch 5" RT-U30.0.x	
Advertisement (3)	Instruction - English - 2020-10-09 - 1,14 MB	1 PDF
Certificate (1)	ETS Application (.KNXPROD) [EN] RT/U30.0.1	
Declaration of conformity (1)	KNXPROD Software - German, English, Spanish, French, Italian, Dutch - 2020-10-02 - 0,72 MB	• KNXPROD
Instruction (1)	Release Note (.PDF) [EN] RT/U30.0.1	
Manual (1)	Summary: Release Note Application 1.1a Release note - German, English - 2020-10-02 - 0,11 MB	1 PDF
Mourio (6)		
MOVIE (0)	VIDEO (EN) I MP4I ABB ROOM I OUCH	
## ABB RoomTouch® KNX – Alarm Messages, Time Programs, ...

Online Learning Session

## **Training Material**

**Training & Qualification Database** 

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



YouTube

- Channel "ABB Home and Building Automation"
  - <u>https://www.youtube.com/user/ABBibusKNX</u>



## ABB RoomTouch<sup>®</sup> KNX – Alarm Messages, Time Programs, ...

**Online Learning Session** 

## **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

 $\rightarrow$  Training Calendar

- $\rightarrow$  Services & Tools
  - $\rightarrow$  Training and Qualification Training and

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