User guide Systemair Connect

Document in original language | 190519 · A002





ΕN

Contents

User manual
ABOUT THIS DOCUMENT 3
ACTIVATING ACCOUNT
USING SYSTEMAIR CONNECT 6

About this document

User guide to assist you in getting started with activating, administrating and use of the Systemair Connect account with Access. The user guide is intended both for users responsible for accept terms and condition and administrating the structure and users of the operation and supervision of devices.

Activating account

An account has been created for you to activate and accept. Information with activation link has been sent to the stated E-mail address. If not, look in your SPAM folder otherwise contact your local Systemair responsible.

Systemair connect activation request

Example of received information email with web link entitled at the bottom of message. Verify the information in the email and if something is wrong contact your Systemair responsible with the contact details from the email. Note! The email message cannot be replied.

From	Systemair Conne	ct (noreply@systemairconnect.com)				
Subject	Systemair Conne	ct activation request				
Message	Welcome,					
	You have been in	You have been invited to activate a Systemair Connect account				
	Check account properties below					
	Account details:					
	Name: The customer					
	Parent object: Systemair SE					
	Account type:	Systemair Local				
	E-mail: mr.responsible@thecustomer.xx					
	Regards	Mr. P. Salesman (country admin)				
		se.admin@systemairconnect.com				
	Click here to acti	vate your account				

Click on the web link in the message. A web page is opened and an email is sent from system informing that the activation process has started. Once here here the web link is consumed and will not work again. If the activation process is not fulfilled you need the new web link and user details from this second email.



Systemair connect activation procedure

To start using the service the user must activate the service and follow the presented steps. Following screen shots is an example for the account "The customer".

Before the user has fulfilled the account activation there are no possibility to administrate or add devices to the account.

Proceed the activation by pressing the button [Activate].

The account activation now proceed with user *sysadmin* logged in. Press [Continue] to proceed or abort the activation steps via [Cancel] button.

Check any previously	filled in information and
supplement it. Press	[Continue].





e		
pod in as sysadmin		
2 : Account	information	
Account name	The customer	
Customer number		
Company name*	The company Inc	
Contact person*	mr receiver@thecompany.xx	
Street*	Ventilation Ave	
Zip/postal code*	12345	
City*	Skin tax mountain	
Country	Sweden	2
Phone*	222111	
Mobile phone*	111222	
Order number		
Order label		

L

An acceptance of the *Terms and condition* is necessary to complete the registration process. Open the Terms and condition by selecting **Click here for Terms and conditions** link. Accept by ticking in the check box I **approve to the terms and conditions** and then press [Continue].

Note! It is highly recommended to change the default password at least for the user *sysadmin*, which can be done via the **Edit profile** shortcut link.

It's possible to change the user name to a more suitable and supplement with an E-mail address for the user. Press [Update] when finished.

When approval process is finished a confirmation page is shown and an email with account information is sent to the account specified E-mail address. The user can now start using the service.

Example of email received after finalized activation of account.

🌀 syste	m air			
Home Logged in a	ıs oysadmin -			
Step 3 : Terms	& Conditions			
Terms and condition				
Click here for Terms and	I conditions	the terms and condition		
	9			
	Back Cont	Inue		
				₹ 100%
🌀 systei	m air			
Home				the Arithmetical States
Logged in as sysadmin				
Step 4 : Finished				
our activation was succe	ssful, you will recie	we a confirmation mail	with account details. U	pdate user password.
ZEdit Profile				
				R 100%
				and second
🕷 syster	mair			
www.oyote.				
Logged in as sysadmin				
Edit Liser				Ba
User name*	ovsadmin			
Created	2019-10-23 12 4	17-52 UTC		
Passured				
Confirm exercutord				
Account	- The custome			
Language	English			
Email	Congrout			
L-man		ha sum alarms via a.n	العد	
		ve sum alemis via en		
	Update			
				* 100%
🌑 system air				07
count activation	of Systema	air Connect co	mpleted for Th	ne customer.
count details:			5	
ame:		The	rustomer	
arent object:		Syste	emair SE	
ccount type:		Syste	amair Local	
		me company I Mrs Property C	nc Owner	
ompany name: ontact person:				
company name: contact person: treet:		Ventilation Ave		
company name: contact person: treet: ip/postal code: ity:		Ventilation Ave 12345 Ski Tax Mount	ain	
company name: contact person: treet: ip/postal code: ity: country:		Ventilation Ave 12345 Ski Tax Mount Sweden	ain	
company name: contact person: treet: ip/postal code: ity: country: hone:		Ventilation Ave 12345 Ski Tax Mount Sweden 2221111	ain	
company name: contact person: treet: ip/postal code: ity: country: hone: lobile phone:		Ventilation Ave 12345 Ski Tax Mount Sweden 2221111 3332222	ain	

Using Systemair Connect

Start using the Systemair Connect service.

Login

Go to <u>www.systemairconnect.com</u> and log in with account and user credentials, press [Log in].

If previous activation has not been finalized this is the way to login and proceed the activation steps, according chapter Activating account.

Lost password? Activate the link **Forgot your password**. Fill form with the name of your Account or E-mail address belonging to the account. An email will be sent to Account owner email address with instructions how to reset password for different users on the account.

Users

At first login with the user *sysadmin* it's <u>highly</u> <u>recommended</u> to change password and adopt to user name according to your own IT regulation and standards.

When logged in to the account, press the [Action] button besides the account name and select **Edit Users**.

Two default users are created from beginning, sysadmin and operator. User sysadmin belong to the highest user level, that can view and change all values and add respectively delete Users, Areas and Devices. The default user operator can only view controllers and change some of their values. The operator user can be deleted.

Press the [Edit] button besides respectively username and edit respectively property. It's is also possible to add new users via button [New User].



s/3734/edit/back_url=%2Fusers%3Ffolder_id%3D2654

* 100% *

Access levels

Five user access levels exist in Systemair Connect that can be used for user administration.

- SysAdmin
 This is the highest user level, permitting viewing and changing all controller settings.

 The Sysadmin can also add, modify and delete users and add controllers to an account.
 account.
- Service User level that can see and change all values. Cannot add new users, areas or controllers.
- Admin Same user rights as Service.
- Operator Users belonging to this level can only view controllers and change values for Setpoints and Time control using the site. Operators cannot add new users, areas or controllers.

Guest The user access level with read only rights. Can see all values but cannot add or change anything.

Create User

User with access level SysAdmin can create a new user.

Press [Action] button next to the Account, in this example the account **The customer**, and then select **Edit Users**.



Press button [New user].

Home	Logged in as s	iysadmin -			
🖁 User	s in acco	unt "The cu	istomer"		Back
Jser name	Language	Access level	Created	Last login	
sysadmin	en	SysAdmin	2019-10-23 12:47:52 UTC	2019-10-24 11:03:11 UTC	Edit
Securitas	me-SF	Onerator.	2019-10-23 12-47-52 UTC	2019-10-24 09-04-52 UTC	Edit

Enter values to the property fields for user, User name, password, select local language for the account, and select Areas and Devices the user should have access to.

With the setup to the right the user will get access to the complete Area of Gym and also the Device Topvex LB01 that belong to another Area.

If the user would have access to several Areas and/or Devices, select by holding the **Ctrl** key and select with the mouse. If nothing selected from Devices or Areas, the user will have access to everything in the structure. Remember to add E-mail address and tick the checkbox if user should receive an email in case of alarms. Finish by pressing [Create User].

Create and organize structure

Build structures organized if you want several users to share the responsibility for all devices in a building or just some devices in parts of buildings.

In some cases the account has been predefined with one Device direct on account level, which can be reorganized to a substructure, so called area. In example, account **The customer** expanded show a predefined Device, Topvex LB01, direct on the account.

established

Building a structure

User with access level SysAdmin can administrate and build structures of areas and devices.



Symbolises the Account level in tree



Symbolises a Device – air handling unit where communication has not yet been



Symbolises a Device – air handling unit where communication has been established once



Symbolises an Area – an area is used to subdivide a structure to ease navigation and control different user access

me Logged in as	sysadmin -			
New User				Ba
User name*	Operator1	Devices	Topvex LB01 Topvex LB02	
Password*	•••••		Geniox LB03	
Confirm password	•••••			
Account	The customer			
Language	English			
Access level	Operator 💌			
E-mail		Areas	Areas Building1 Building2 Gym	
	i want to receive sum alarms via e-mail			



Two functions are available for building the substructure on your account:

Area Used to divide the installation in several small areas, example buildings, floor plans or rooms. It is possible to restrict user access using the Area. For example, Area can be used if you want to split the installation in 2 areas where you have separate users responsible for each area.

Device This function is used when you link an air handling unit controller to Systemair Connect. It is possible to restrict user access to using the Device.

Create Area

Ensure that user is logged in with SysAdmin access level. Press button [Action] next to the account name and then select **New Area**.



Under the account **The customer** two areas are created: Building1 and Building2. Property "Name" for the Area is mandatory to fill in but it is recommended to also use "Description" and "Comment" fields. Finish by pressing [Create Area].

It is possible to create one or several sub Areas under each Area. It provides the opportunity to build a structure in many levels. The structure can be used to provide users access to specific areas and devices they are responsible for. An example can be found in the chapter Create User.

Home Logged in a	s sysadmin –	
New Area		Back
Name*	Building1	
Parent	The customar	
Description	Ventilation Ave no1	
Comment	0	



10 |

Administration of Area

The areas can be edited, moved and deleted. Press [Action] next to the Area you need to edit.

Edit Area: Change name, description or comment.

Move Area: Move the Area to the Account or to another Area.

Delete Area: Delete the Area. Note! Areas with Devices cannot be deleted until Devices has been moved or deleted from the Area.

For example, a move of the Area called "Gym", press [Action] next to it and then select **Move** Area.



Ventilation Ave no1

Faalgood

Air Street 2

Move here

Move here

Move here

Then select position by pressing [Move here] next to the Area it should be moved.

Add and manage Devices

Ensure that user is logged in with SysAdmin access level. The serial number of Access controller is printed on the controller and is also indicated in the NaviPad for the controller in menu Cloud. In order to get communication between the controller device and Systemair Connect the serial number must match.

🚓 Building1

Sulding2

🛞 Gym

If air handling unit has been ordered with Systemair Connect enabled from the factory following steps can be skipped.

T

Enable Systemair Connect

Prepare the Access controller of the air handling unit for Systemair Connect using the NaviPad display.

- 1. Login with Service account (password: 0612)
- 2. Select Configuration

3. Select System settings

4. Select Communication

5. Select Cloud







- 12 |
- 6. *Enable Systemair Connect*, when read and approved the pop-up dialog

7. Note the serial number of your device that

will be needed later in step Add Device



Device properties

Following properties can be used for defining the Device:

Controller name	Mandatory, name of the AHU. Can be changed later on.
Serial number	Mandatory, serial number on the controller, consisting of 12 digits and starting with "01". This is the serial number copied from the Cloud menu.
Parent	Indication which the parent object is, account or area.
Description	Optional, one row of descriptive text.
Comment	Optional, comment field.
Building type	Optional, selection type of building in which the unit is installed.
Area (m2)	Optional, the area supplied by this AHU.
City	Optional, location where the unit is installed.
Country	Optional, location where the unit is installed.
Manual connection	Selection No/Yes, if a unit exists that is connected to a public IP address, its address can be entered here, enabling the Systemair server to automatically locate the controller.
	NOTE: This is an advanced function that is normally not intended for use.
Network address	Property used only when Manual connection is Yes.
Use encryption	Not supported in Access
Encryption key	Not supported in Access

Add new Device

In following example a device is added and placed in area Gym.

Press button [Action] next to the area and then select New Device.



Enter values to the properties in the dialog box. Mandatory fields are *Controller name* and *Serial number* which need to be both a valid one and not previously connected/used in the service. Finalize with button [Create Device].

The initial connection may take some time before the controller is online. Note! The controller need to have access to Internet.

		Bed
Serial number*		
011805151046		
E PHOLE MER		
	N	
-	-	
Manual connection	press.	
No	¥	
Use encryption		
No	~	
Encryption key		
	Sanial nonzos" G11205151046 Manual connection No Use encryption No Encryption key	Sold number* C11305151345 C11305151345 Career Control of the sold

Device status

The status of the air handling unit is presented next to the Device name and in alarm list with icons according:



Device offline

No alarm

Alarmed



Alarm still active but acknowledged

Alarmed returned not acknowledged

Alarm blocked

14 I

Use Systemair Connect

When Device is connected to Systemair Connect it is possible to open the Device by selecting it.

Overview

The first tab is an overview flow chart with operation status.



Overview

Charl

R S ttings

Actual values and setpoints

Read the actual control values and setpoints. For all user access levels except Guest the setpoints, values in blue can be changed.

e citorariori incore	Cropped	Example outperdoard	20.0 0
Outdoor temperature	13.0 °C	Controller output	20.5 °C
Time channel normal speed	On	Extract setpoint	20.5 °C
Time channel reduced speed	On	Frequency controlled supply air fan	
Extended operation normal speed	Off	Supply air fan pressure	0 Pa
Extended operation reduced speed	Off	Frequency (from frequency converter)	0 Hz
Exhaust air temperature	20.5 °C	Current (from frequency converter)	0 A
Extract temperature	21.5 °C	Power (from frequency converter)	0 kW
Extra sensor 1	29.6 °C	Controller output	0 %
Extra sensor 2	14.6 °C	Actual setpoint compensation	0 Pa
Extra flow SAF	0.0 m3/h	Supply air fan normal speed setpoint	80 Pa
Extra flow EAF	0.0 m3/h	Supply air fan reduced speed setpoint	40 Pa
Supply air fan run time	11174 h	Setpoint offset when free cooling	0
Extract air fan run time	11192 h	Frequency controlled extract air fan	
Supply air		Extract air fan pressure	0 Pa
Supply temperature	19.1 °C	Frequency (from frequency converter)	0 Hz
Supply setpoint	20.5 °C	Current (from frequency converter)	0 A
Neutral zone	4.0 °C	Power (from frequency converter)	0 kW
Max supply setpoint	25.0 °C	Controller output	0 %
Min supply setpoint	15.0 °C	Actual setpoint compensation	0 Pa
Controller output	0 %	Extract air fan normal speed setpoint	80 Pa

Time control

Extract ai

ال ال

Inputs and outputs

Read the actual status of input and output values for the air handling control unit.

Overview	+ Actual/Setpoint	Input/Output	Time control	3 Manual/Auto	Alarm status
Settings	Chart				
Analogue inp	uts		Analogue outp	outs	
Al1	Supply air temp (°C)	19.6	AO1	Split	0.0
AJ2	Frost protection temp (*C)	37.4	AO2	Y4 extra sequence	0.0
AI3	SAF pressure (Pa)	0.0	AO3	Y1 heating/Y3 cooling (V	0.0
AI4	EAF pressure (Pa)	0.0	A04	Extra unit control	0.0
UAI1	Not used	NaN	AO5	Not used	0.0
UAI2	Not used	0.0	Exp1AO1	Not used	0.0
UAI3	Not used	NaN	Exp1AO2	Not used	0.0
UAI4	Not used	0.0	Exp1AO3	Not used	0.0
Exp1Al1	Not used	0.0	Exp1AO4	Not used	0.0
Exp1AI2	Not used	0.0	Exp1AO5	Not used	0.0
Exp1AI3	Not used	0.0	Digital outputs	5	
Exp1Al4	Not used	0.0	DO1	Not used	Off
Exp1UAI1	Extra unit temp (*C)	13.5	DO2	Y4 extra sequence activa	te Off
Exp1UAI2	Extra sensor 1 (°C)	29.6	DO3	Cool step 1	Off
Exp1UAI3	Extra sensor temp 2 (°C)	14.7	DO4	Sum alarm	On
Exp1UAI4	Deicing temp (*C)	20.6	DO5	Fresh air damper	Off
Digital inputs			DO6	Exhaust air damper	Off
DI1	Extended operation reduc	ed Off	DO7	Not used	Off

Auto

T

Time control

Read the actual time control schedules. All user access levels except *Guest* can modify the settings.

Overview in Actual/Setpoint		Input/Output		Time control	3 Manual/Auto	Alarm status	
Settings 🔯 Chart							
Normal speed	Start	Stop	Start	Stop	Holiday schedule	Start date	End date
Monday	07.00	17.00	00.00	80.00	Holiday period 1	1 Jan	1 Jan
Tuesday	07.00	17.00	00.00	00.00	Holiday period 2	1 Jan	1 Jan
Wednesday	07.00	17.00	00.00	00.00	Holiday period 3	1 Jan	1 Jan
Thursday	07.00	21.00	00.00	00.00	Holiday period 4	1 Jan	1 Jan
Friday	05.00	17.00	00.00	00.00	Holiday period 5	1 Jan	1 Jan
Saturday	09.00	15.00	00.00	00.00	Holiday period 6	1 Jan	1 Jan
Sunday	00.00	00.00	00.00	00.00	Holiday period 7	1 Jan	1 Jan
Holiday	00.00	00.00	00.00	00.00	Holiday period 8	1 Jan	1 Jan
Reduced speed	Start	Stop	Start	Stop	Holiday period 9	1 Jan	1 Jan
Monday	00.00	24.00	00.00	00.00	Holiday period 10	1 Jan	1 Jan
Tuesday	00.00	24.00	00.00	00.00	Holiday period 11	1 Jan	1 Jan
Wednesday	00.00	24.00	00.00	00.00	Holiday period 12	1 Jan	1 Jan
Thursday	00.00	24,00	00.00	00.00	Holiday period 13	1 Jan	1 Jan
Friday	00.00	24.00	00.00	00.00	Holiday period 14	1 Jan	1 Jan
Saturday	00.00	24.00	00.00	00.00	Holiday period 15	1 Jan	1 Jan
Sunday	00.00	24.00	00.00	00.00	Holiday period 16	1 Jan	1 Jan
Holiday	00.00	24.00	00.00	00.00	Holiday period 17	1 Jan	1 Jan

Manual and auto

Via this tab it is possible for users belonging to access level *SysAdmin, Admin* and *Service* to change operation mode and set manual values for some functions.

The second se			
er Settings 🔛 Chart			
Supply air		Ventilation unit	
Mode	Auto	Mode	Auto
Controller output	0 %	Mode	Stopped
Frequency controlled supply air fan		Supply air fan	
Mode	Auto	Mode	Auto
Controller output	0 %	Normal speed	Off
Frequency controlled extract air fan		Reduced speed	Off
Mode	Auto	Extract air fan	
Controller output	0 %	Mode	Auto
Exchanger		Normal speed	Off
Mode	Auto	Reduced speed	Off
Controller output	0 %	Exchanger pump	
Heater		Mode	Auto
Mode	Auto	Pump	Off
Controller output	0 %	Heater pump	
Cooler		Mode	Auto
Mode	Auto	Pump	On

Extra con

Overview + Actual/Setpoint Input/Output Time control & Manual/Auto Alarm status

Alarm status and handling

Alarm status tab, with indications of active, unacknowledged and blocked alarms. For all user access levels except *Guest* it is possible to acknowledge and block/unblock individual alarms. For definition of icon status see Device Status.

Note! When the alarm notification email is enabled for the user and there is an active or unacknowledged alarm, an email will be sent within 10 minutes.

Overview		+ Actual/Setpoint	Input/Output	Time control	3 Manual/Auto		Alarm status	
Setting	5	Chart						
Show class		Alarm object						
All classes	\checkmark	Malfunction supply	air fan	Alarm	class B	No.	irmal	
Alarm class A	62	Malfunction extract	air fan	Alarm	class B	No No	rmal	
Alarm class	R	Malfunction P1 heat	ler	Events		No.	irmal	
B		Malfunction P1 cool	er	Alarm class C		No.	rmal	
C C	M	Malfunction P1 excl	nanger	Alarm	class B	No.	irmal	
Events		Filter guard 1		Alarm	class B	No.	ernal	
		Flow guard		Alarm	class A	No.	rmal	
Show status		External frost guard		Alarm	class A	N	rmal	
All statuses		Deicing pressure gu	ard	Events	(No	emal	
Normal		Fire alarm		Alarm	class C	N	rmal	
Blocked	6	External switch		Alarm	class C	N	ormal	
Acknowledge	ed 5	External alarm		Events		N	ernal	
Returned	5	Supply air control er	TFOF	Alarm	class B	N	rmal	
Alarmed	6	High supply air tem	p	Alarm	class B	N	rmal	
		Low supply air temp	1	Alarm	class B	No.	ermal	
Acknowledge		Supply air temp max limit		Events	6	No.	emal	
× Block		Supply air temp min	ı fimit	Events	1	No.	rmal	
		High extract air tem	P	Alarm	class B	No.	rmal	
* Unblock		Low extract air temp	>	Alarm	Alarm class B		emal	
		Elsetrie hostina ir a	hoteothou	Alson	chare A	1 M	lemma l	

Settings

SysAdmin, Service and *Admin* can modify control settings for functions. All user access levels can view the values.

Overview Actual/Setpoint	Input/Output	Time control 3 Manual	/Auto 🐴 Alarm status
🗑 Settings 🔛 Chart			
Controller settings		Alarm settings	
Supply air		General	
P-band	50 °C	Alarm hysteresis	0.2
I-time	100 s	Malfunction supply air fan	
Extract air		Class	В
P-band	50 °C	Delay	240 s
l-time	300 s	Stop ventilation unit if alarm active	Yes
Frequency controlled supply air fan		Alarm text	Malfunction supply air fan
P-band pressure	500 Pa	Malfunction extract air fan	manuficeeri eeppiy un mit
I-time	60 s	Class	R
Min output signal	0 %	Delay	240 e
Frequency controlled extract air fan		Ston upstilation unit if alarm	240.0
P-band pressure	500 Pa	active	Yes
I-time	60 s	Alarm text	Malfunction extract air fan
Min output signal	0 %	Malfunction P1 heater	
Frost protection		Class	Disabled
P-band	100 °C	Delay	5 s
I-time	100 s	Stop ventilation unit if alarm	Ma
Deicing		active	NO
P-band	10 °C	Alarm text	Malfunction P1 heater
I-time	100 s	Malfunction P1 cooler	
Extra control unit		Class	С
P-band	50 °C	Delay	60 s
I-time	300 s	Stop ventilation unit if alarm active	No

Select and view charts

Record and view analogue values for the control. Select which parameters to be shown in the chart on the available sensor names above the chart. Yaxis resolution adopts to the value ranges and the left is used for pressure and flow while the right is used for temperatures and output percentage. With drop down list it is possible to change the time resolution. The chart recording values can be exported to CSV format by pressing the [Export to Excel] button.







Systemair Sverige AB Industrivägen 3 739 30 Skinnskatteberg Phone +46 222 440 00 Fax +46 222 440 99 www.systemair.com