User guide
Systemair Connect

EN

Document in original language | 190519 · A002

systemair

Contents

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

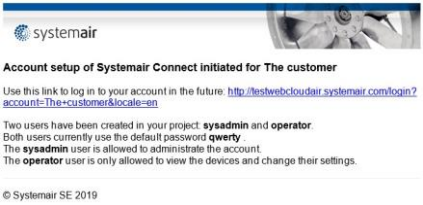
An account has been created for you to activate and accept. Information with activation link has been sent to the stated E-mail address. If not, look in your SPAM folder otherwise contact your local Systemair responsible.

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 Connect (noreply@systemairconnect.com)
Subject	Systemair Connect activation request
Message	Welcome, 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 activate 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.

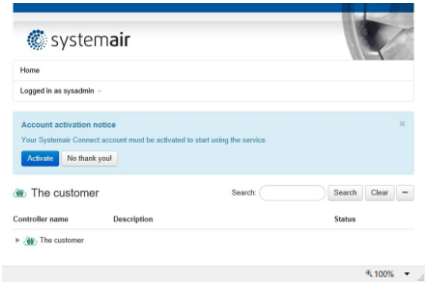


Systemair connect activation procedure

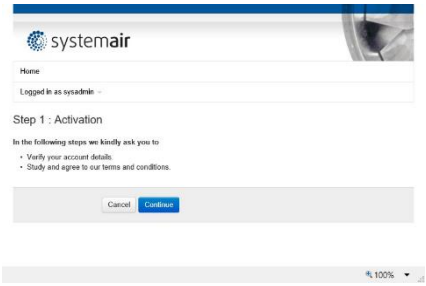
To start using the service the user must activate the service and follow the presented steps. Following screen shots is an example for the account “The customer”.

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].

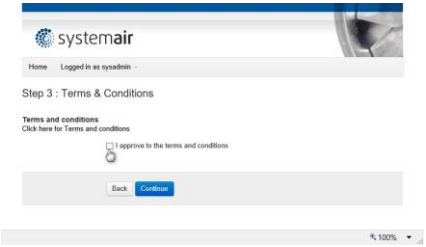


The account activation now proceed with user *sysadmin* logged in. Press [Continue] to proceed or abort the activation steps via [Cancel] button.

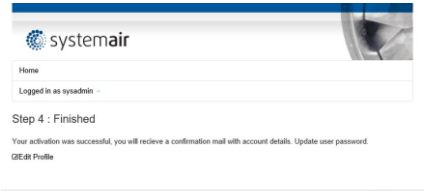


Check any previously filled in information and supplement it. Press [Continue].

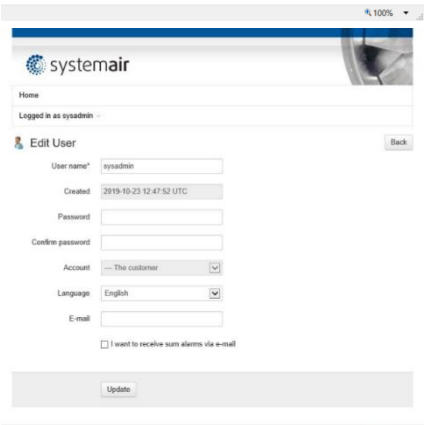
An acceptance of the *Terms and condition* is necessary to complete the registration process. Open the Terms and condition by selecting **Click here for Terms and conditions** link. Accept by ticking in the check box **I approve to the terms and conditions** and then press [Continue].



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.

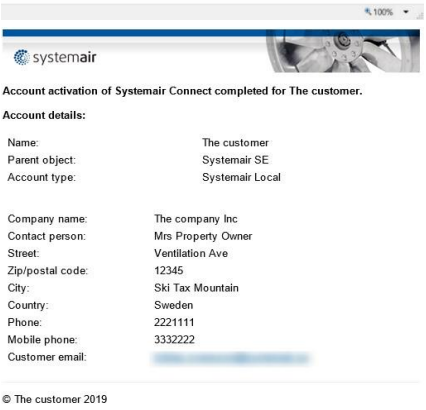


It's possible to change the user name to a more suitable and supplement with an E-mail address for the user. Press [Update] when finished.



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.

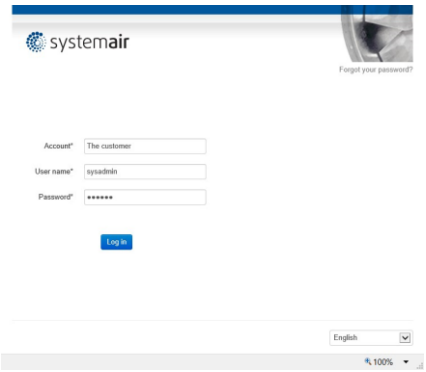


Using Systemair Connect

Start using the Systemair Connect service.

Login

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

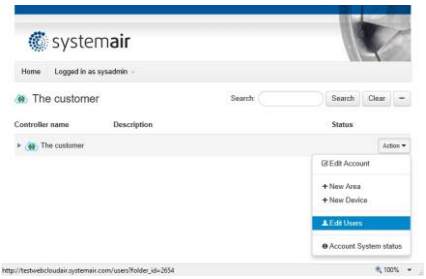


If previous activation has not been finalized this is the way to login and proceed the activation steps, according chapter Activating account.

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.

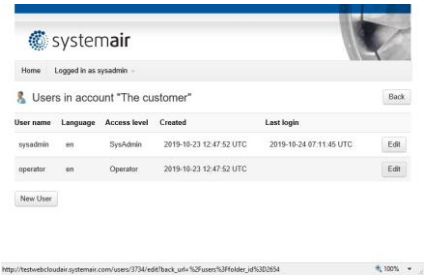
Users

At first login with the user *sysadmin* it's highly recommended 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].

Access levels

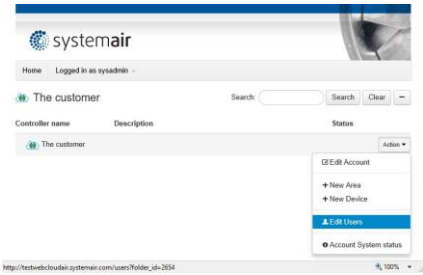
Five user access levels exist in Systemair Connect that can be used for user administration.

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.
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.

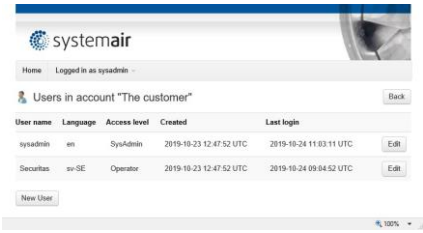
Create User

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**.



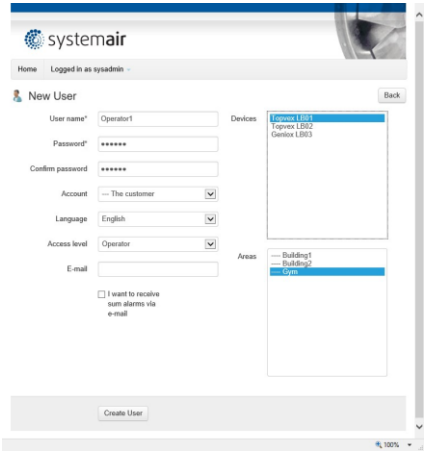
Press button [New user].



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.

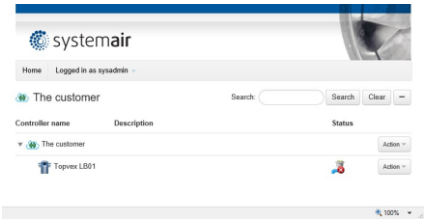
If the user would have access to several Areas and/or Devices, select by holding the **Ctrl** key and select with the mouse. If nothing selected from Devices or Areas, the user will have access to everything in the structure. Remember to add E-mail address and tick the checkbox if user should receive 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.



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 established

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

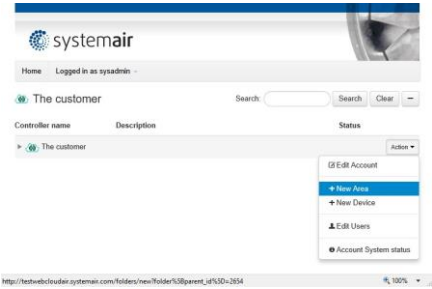
Symbolises an Area – an area is used to subdivide a structure to ease navigation and control different user access

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

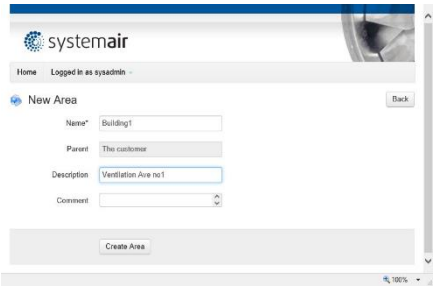
Area	Used to divide the installation in several small areas, example buildings, floor plans or rooms. It is possible to restrict user access using the Area. For example, Area can be used if you want to split the installation in 2 areas where you have separate users responsible for each area.
Device	This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

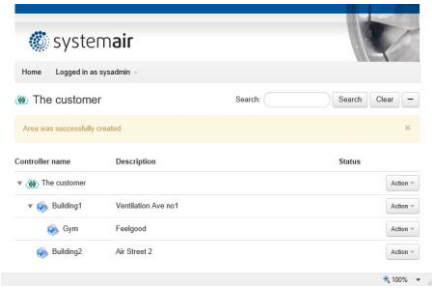
Ensure that user is logged in with SysAdmin access level. Press button [Action] next to the account name and then select **New Area**.



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.



Administration of Area

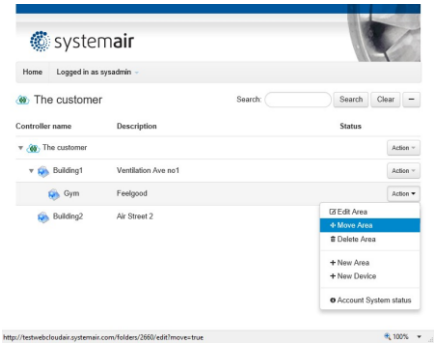
The areas can be edited, moved and deleted. Press [Action] next to the Area you need to edit.

Edit Area: Change name, description or comment.

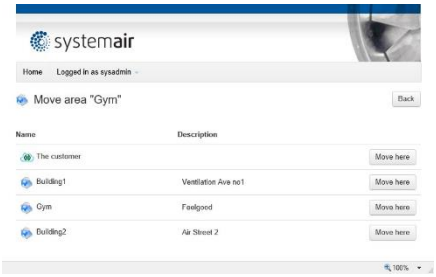
Move Area: Move the Area to the Account or to another Area.

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**.



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



Add and manage Devices

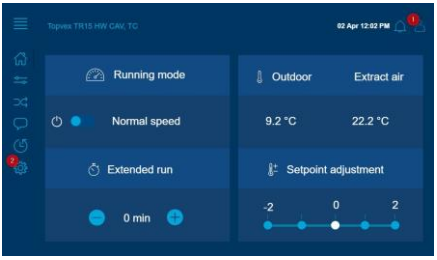
Ensure that user is logged in with SysAdmin access level. The serial number of Access controller is printed on the controller and is also indicated in the NaviPad for the controller in menu Cloud. In order to get communication between the controller device and Systemair Connect the serial number must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

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

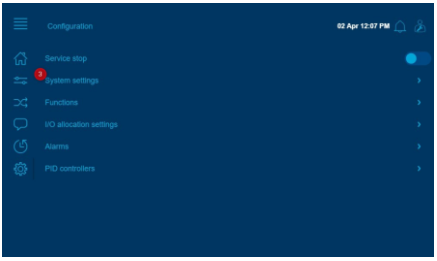
Enable Systemair Connect

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

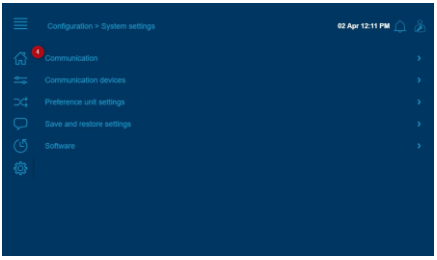
1. Login with *Service account (password: 0612)*
2. Select *Configuration*



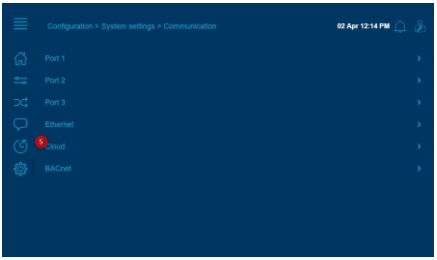
3. *Select System settings*



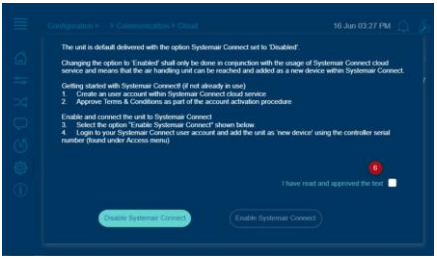
4. Select *Communication*



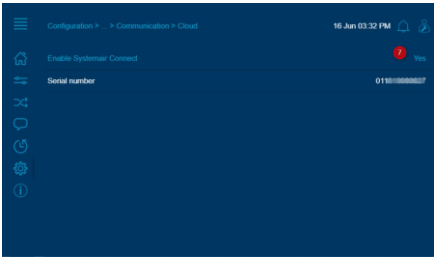
5. Select *Cloud*



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

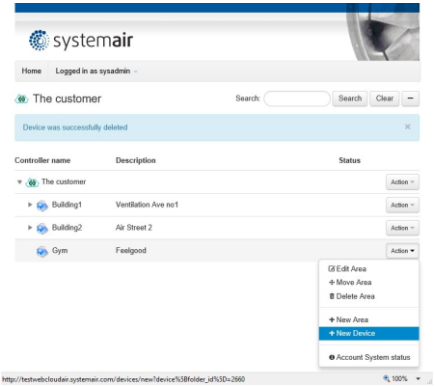
Following properties can be used for defining the Device:

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

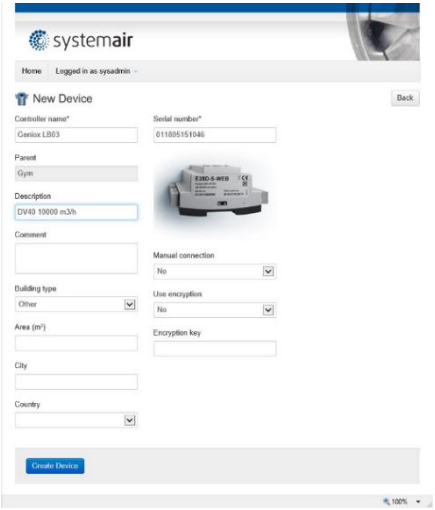
In following example a device is added and placed in area Gym.

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.



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

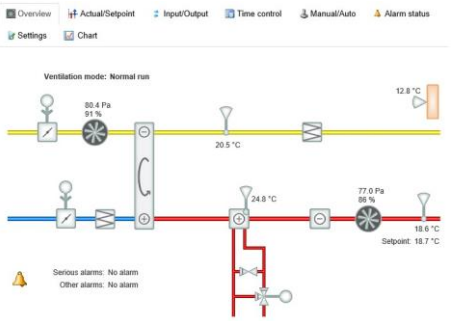

Alarm blocked

Use Systemair Connect

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

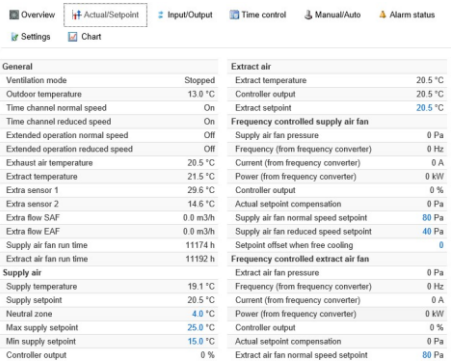
Overview

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



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.



General	
Ventilation mode	Stopped
Outdoor temperature	13.0 °C
Time channel normal speed	On
Time channel reduced speed	On
Extended operation normal speed	Off
Extended operation reduced speed	Off
Exhaust air temperature	20.5 °C
Extract temperature	21.5 °C
Extra sensor 1	29.6 °C
Extra sensor 2	14.6 °C
Extra flow SAF	0.0 m3/h
Extra flow EAF	0.0 m3/h
Supply air fan run time	11174 h
Extract air fan run time	11192 h
Supply air	
Supply temperature	19.1 °C
Supply setpoint	20.5 °C
Neutral zone	4.0 °C
Max supply setpoint	25.0 °C
Min supply setpoint	15.0 °C
Controller output	0 %

Extract air	
Extract temperature	20.5 °C
Controller output	20.5 °C
Extract setpoint	20.5 °C
Frequency controlled supply air fan	
Supply air fan pressure	0 Pa
Frequency (from frequency converter)	0 Hz
Current (from frequency converter)	0 A
Power (from frequency converter)	0 kW
Controller output	0 %
Actual setpoint compensation	0 Pa
Supply air fan normal speed setpoint	80 Pa
Supply air fan reduced speed setpoint	40 Pa
Setpoint offset when free cooling	0
Frequency controlled extract air fan	
Extract air fan pressure	0 Pa
Frequency (from frequency converter)	0 Hz
Current (from frequency converter)	0 A
Power (from frequency converter)	0 kW
Controller output	0 %
Actual setpoint compensation	0 Pa
Extract air fan normal speed setpoint	80 Pa

Inputs and outputs

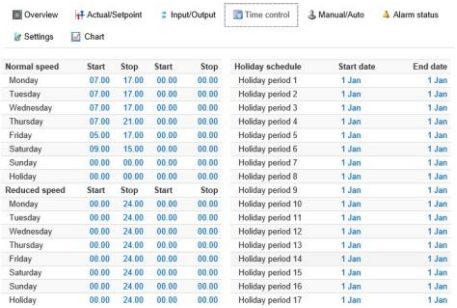
Read the actual status of input and output values for the air handling control unit.

Analogue inputs		
AI1	Supply air temp (°C)	19.6
AI2	Frost protection temp (°C)	37.4
AI3	SAF pressure (Pa)	0.0
AI4	EAF pressure (Pa)	0.0
UAI1	Not used	NaN
UAI2	Not used	0.0
UAI3	Not used	NaN
UAI4	Not used	0.0
Exp1AI1	Not used	0.0
Exp1AI2	Not used	0.0
Exp1AI3	Not used	0.0
Exp1AI4	Not used	0.0
Exp1UAI1	Extra unit temp (°C)	13.5
Exp1UAI2	Extra sensor 1 (°C)	29.6
Exp1UAI3	Extra sensor temp 2 (°C)	14.7
Exp1UAI4	Deicing temp (°C)	20.6
Digital inputs		
DI1	Extended operation reduced	Off

Analogue outputs		
AO1	Split	0.0
AO2	Y4 extra sequence	0.0
AO3	Y1 heating/Y3 cooling (V)	0.0
AO4	Extra unit control	0.0
AO5	Not used	0.0
Exp1AO1	Not used	0.0
Exp1AO2	Not used	0.0
Exp1AO3	Not used	0.0
Exp1AO4	Not used	0.0
Exp1AO5	Not used	0.0
Digital outputs		
DO1	Not used	Off
DO2	Y4 extra sequence activate	Off
DO3	Cool step 1	Off
DO4	Sum alarm	On
DO5	Fresh air damper	Off
DO6	Exhaust air damper	Off
DO7	Not used	Off

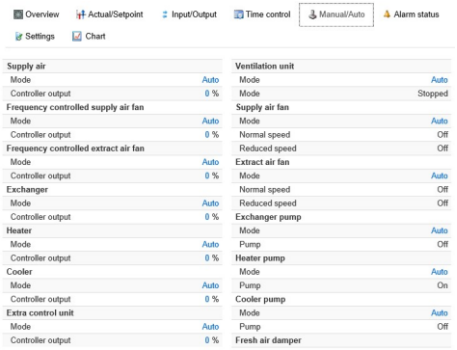
Time control

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



Manual and auto

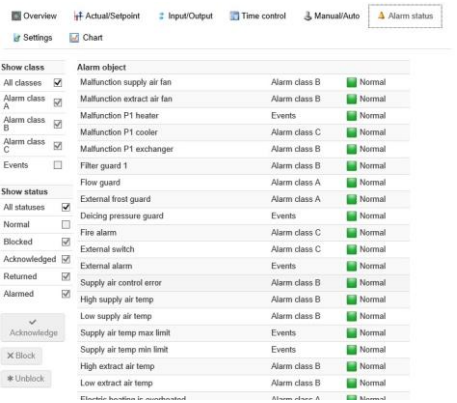
Via this tab it is possible for users belonging to access level *SysAdmin*, *Admin* and *Service* to change operation mode and set manual values for some functions.



Alarm status and handling

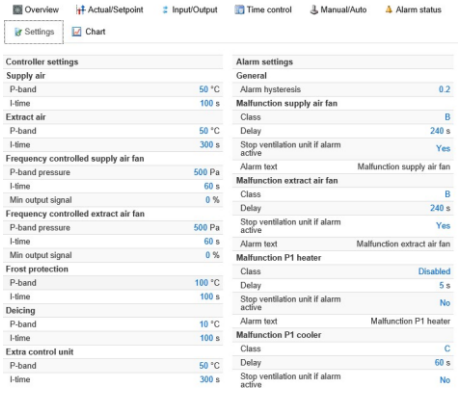
Alarm status tab, with indications of active, unacknowledged and blocked alarms. For all user access levels except *Guest* it is possible to acknowledge and block/unblock individual alarms. For definition of icon status see Device Status.

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.



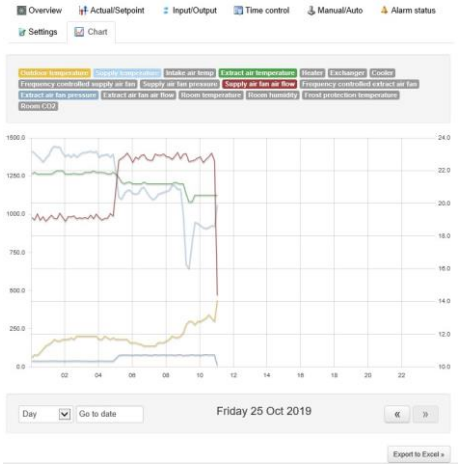
Settings

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



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. Y-axis 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.



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