Swegon

NESTOR Web Page Manual

NESTOR software version 1.2

1. GENERAL

NESTOR has a built-in web server that enables you to monitor or enter and change the settings in the system. Access to this server requires a web browser with support for SUN Java and that JRE Version 6 Runtime Environment (or a later version) is installed on the computer. The most recent version of the SUN Java software can be downloaded from www.java.com.

2. CONNECTIONS

The computer and NESTOR can be connected to one another in two different ways: by means of a crossover cable or with a network hub (HUB, switch or router).

The determining factor as to whether or not a network hub should be used could, for instance, be the number units that are to be connected together. Two units can be connected together without any network hub.

One example of two units connected together is when a computer and NESTOR are connected together. Two or more units can be connected together with a network hub.

The NESTOR unit's network connection is located on the control unit in the NESTOR cubicle and is shown encircled in Figure 1.

2.1 Connection between two units

Connection of one or more NESTOR units to a computer is done with a crosslinked CAT5 cable with RJ45 connectors, see figure 2. Connecting through a network and hubs, switches or routers should be done with a straight CAT5 cable with RJ45 connectors, see figure 3. The cable should be of twisted-pair type, and can be shielded or unshielded.

2.2 Connection between two or more units

A straight (not cross-connected) CAT5 cable with RJ45 connectors, see Fig. 3, should be used for the connection between NESTOR, Super WISE and GOLD air handling unit and computer/network. The cable should be of twisted-pair type, and can be shielded or unshielded.

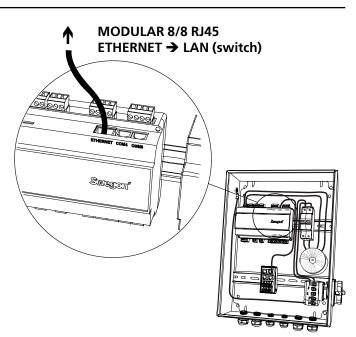


Figure 1: Ethernet connection, NESTOR

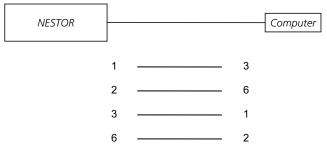


Figure 2: Connection between two units, crossover cable.

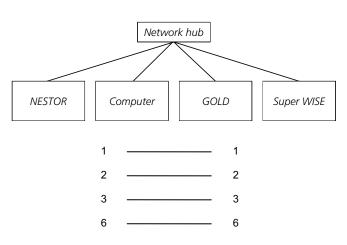


Figure 3. Connection between two or more units, network hub.



3. NESTOR SETTINGS

On delivery, the control unit has a static IP address set to 10.200.1.1. To assign the control unit another static address, activate the DHCP, change the Subnet mask or do the following to change the Gateway:

Use the Golden Gate Config program which can be downloaded from www.swegon.com. Connect the NESTOR to the network. Start Golden Gate Config. Select Golden Gate Ethernet and press OK. See Figure 4.

Golden Gate Config now searches through the network to find all the units that are supported by Golden Gate Config. NESTOR with IP. number 10.200.1.1 can be found on line three in the list in Figure 5.

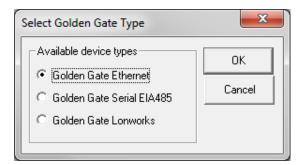


Figure 4. Selections in Golden Gate Config.

IP	SN	GW	DHCP	Version	Туре	MAC
172.16.2.73	255.255.255.252.0	172.16.1.2	Off	0.33.3	Super WISE	00-23-38-00-03-1F
10.8.0.98	255.255.255.255.0	0.0.0.0	Off	0.34.3	Super WISE	00-12-7C-00-B9-19
10.200.1.1	255.255.255.255.0	0.0.0.0	Off	1.00	NESTOR	00-18-2D-00-E3-22
10.8.0.58	255.255.255.252.0	10.8.0.1	Off	4.00.0	GoldenGate	00-30-11-FB-00-AC
Sw	egoní				(<u>S</u>	can Exit

Figure 5. Discovered units in the network.

Double click on the line that shows the NESTOR to be configured and a new window will open where the unit can be configured. See Figure 6.

- 1. If the DHCP is set to ON, the NESTOR automatically obtains an IP address/subnet mask/Gateway and DNS from the network server. If the DHCP is set to OFF, the IP address/subnet mask/Gateway and DNS must be set manually in the dialogue box. It is recommended that static IP addresses are used.
- 2. IP address: Change or check the IP address here.
- 3. Subnet mask: Change or check the subnet mask here. Keep in mind to select an IP address and a subnet mask that are in agreement.
- 4. Default gateway: Change or check the Gateway here.
- 5. A password must be filled in before the changes will begin to apply. The password for the first found user profile with administrator privileges shall be used. The default password is admin. The Change password function does not work in NESTOR.

Now click **Set**.

The NESTOR network configuration is now completed. To check that the changes have been implemented, carry out a new search by pressing **Scan**.

Configure: 00-12-7C-01-32-A7	Y
Ethernet configuration	
IP address: 172 . 16 . 1 . 109 2 DHCP	
• On	
Subnet mask: 255 . 255 . 252 . 0 -3	
COff	
Default gateway: 172 . 16 . 1 . 1	
Primary DNS: 172 . 16 . 1 . 1	
Secondary DNS: 172 . 16 . 1 . 1	
Hostname: Swegon	
Password:	
New password:	
Set Cancel	1
Swegon	

Figure 6: IP address settings.



3.1 Settings via Modbus EIA485

All settings are accessible via Modbus communication and the COM4 connection. For further details, see the Excel document - *NESTOR_Modbus_list*.

N.B.! For configuration and settings of any underlying product (e.g. Super WISE, GOLD), see each specific product documentation.

4. LOG IN

Sun Java must be installed and activated. Sun Java can be activated at various places depending on the operative system and web browser in use. Contact local computer support group for help.

Start the web browser and enter the IP address for the NESTOR (Factory setting http://10.200.1.1). Enter your user name and password when the log in dialogue box opens. See Figure 7.

The appropriate authorisation, reader, writer, service and admin status are allocated depending on user name and password.

Enter the following the first time you log in:

User name = admin

Password = admin

N.B.! When changing the password, the new password must not consist of more than 15 characters.

Select the appropriate language to be used in the web interface. Press the button by the appropriate language to choose. See Figure 8.

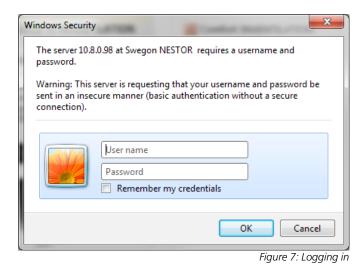




Figure 8: Choice of language

5. USER LEVELS

The web page is divided into four authorisation levels to prevent unauthorised persons from accessing and changing sensitive parameters.

At the *Reader* level, all the tabs except the Configuration tab are accessible. At this level, it is only possible to view certain values. Nothing can be changed and the alarm list cannot be reset.

At the next level, the *Writer* level, it is possible to change all settings, except those on the Configuration tab that are still inaccessible. It is NOT possible to reset the Alarm list.

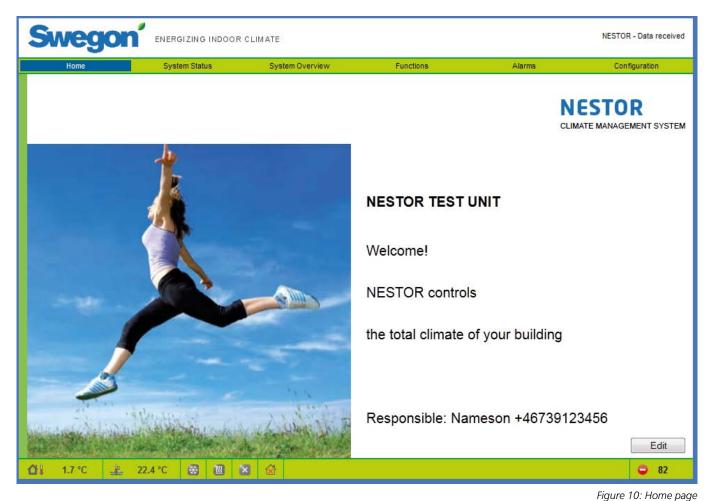
The *Service* level, has the same permissions as the Writer level.

The *Admin* level, gives full access to change all settings. The Configuration tab is fully accessible and it is possible to reset the Alarm list.

Read values	Change set points	Change set- tings	Access admin-tab
\times			
X	\times	X	
X	\boxtimes	X	
X	\times	X	\times
	values	valuesset pointsIMIMIMIMIMIMIMIM	valuesset pointstingsImage: Set pointsImage:

Figure 9: User Levels

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6. WEB PAGE

There is a status list at the bottom of each page showing:

- The system outdoor temperature
- The supply water temperature
- Cooling demand status (blue for demand, grey for no demand)
- Heating demand status (red for demand, grey for no demand)
- Current mode of the Swegon Chiller/Heat pump (grey for stop, flashing red for heating, flashing blue for cooling)
- Operation mode (No occupancy/Occupancy/Year channel)
- Number of active alarms

The various tabs in the NESTOR web interface are described on the following pages.

There are six main pages: Home, System Status, System Overview, Functions, Alarm and Configuration.

6.1 Home

When entering the NESTOR web page, after selecting the preferred language, the home page is displayed. The pictures and text shown on the home page can be changed by clicking on the "Edit" button.



Home	System Status	System Overview	Functions	Alarms	Configuration
	Number of active ala	rms	83	•	
	Outdoor temperature		3.3 °C	3	
	Operation Mode		No occupancy		
	Cooling demand		No		
	Current cooling setp	pint	-		
	Heating demand		No		
	Current Heating setp	oint	-		
	Current supply air vo	lume	6.08 m³/s	21906 m³/h	
	Current extract air vo	blume	2.52 m³/s	9072 m³/h	

6.2 System Status

The system status page includes a short summary of the most important CMS system parameters:

- Number of active alarms
- Outdoor temperature
- Operation mode (No occupancy/Occupancy)
- Actual cooling demand
- Current cooling supply set point
- Actual heating demand
- Current heating supply set point
- Current total system supply airflow
- Current total system extract airflow



Swegor		CLIMATE			NESTOR - Data received
Home	System Status	System Overview	Functions	Alarms	Configuration
Nestor I.	Heat pump Roof HP				
2. 1st floor entrance Super WISE 1. Main building	1. Version D, roof 3. 2nd	floor			
∆ i 0.0 °C ≟	22.2 °C 😸 🔃 🗓	1 🗟			a 32

6.3 System Overview

A schematic picture of all NESTOR connected products is shown in the system overview. Any names given to units on the configuration page will be displayed here. Two types of status symbols can appear on each connected unit.

- A yellow symbol indicates that communication to this particular unit is lost.
- A red symbol indicates that there is at least one active alarm on the particular unit.

Note that an alarm symbol on a Super Wise indicates either an internal Super Wise alarm or an alarm in any of its underlying products.

Click on the products to open up their own web page.

Figure 12: System Overview



Home	System Status	System Overview	Functions	Alarms Config	
Temperature Control		Temperature Set Points	Operation Mode	Time Controlled Out	
Configuration	ı		System Status		
Parameter		Value	Signal	Value	
Cooling activation	n delay	5 min	Cooling setpoint	0.0 °C	
Heating activatio	n delay	5 min	Heating setpoint	40.0 °C	
Prioritize cooling	at outdoor temp higher tha	n 10.0 °C `	System cooling demand	No	
Min. days betwe	Min. days between mode switches Min. hours between mode switches Prioritized mode		System heating demand	No	
Min. hours betwe			Supply water temperature	22.2 °C	
Prioritized mode			Return water temperature	33.3 °C	
Min. hour to forc	e prioritized mode	1 h	Outdoor temperature 0.0 °C		
Heat limit detection	n	Supply temp	Time since last switch	>22 day(s)	
Heat limit action		None	Current water type	Hot	
Heat limit hystere	esis	3.0 K	Blue Box		
Heat Limit Delay		10 min]	-	
System outdoor	temperature collected from	Gold 1 Ext. sensor]		
External heating	demand function	Economy]		
External cooling	demand function	Economy]		
External heating	demand input	NO]		
External cooling	demand input	NO]		

6.4 Functions

All NESTOR functionality settings are collected on this tab. It includes four sub-pages: *Temperature Control, Temperature Set Points, Operation Mode* and *Time Controlled Output.* The first one opens when accessing the Functions tab.

6.4.1 Temperature Control

The Temperature Control page mainly contains parameters for the control of a Swegon Chiller/Heat pump.

Only the relevant parameters and values are shown. If, for example, a Swegon Chiller that produces only cooling is present, no settings and values concerning heating are displayed. All values that can be displayed on this page are described in Table 1 in Appendix A.

Figure 13. Functions; Temperature control



Home	System Status	System Overview	Functions	Alarms	Configurat
Temperature Control		Temperature Set Points	Operation Mode		Time Controlled Output
	System	Configuration			
	Parameter		Value		
	Optimizatio	on Heating Diff.	3.0 K	۲	
	Optimizatio	on Cooling Diff.	2.0 K		
	Gold1	- Configuration			
		on: Heating set point increase speed (K/min) 0.50		
	Optimizatio	on: Heating set point decrease speed	(K/min) 0.25		
	Optimizatio	on: Cooling set point increase speed (I	t point increase speed (K/min) 0.25		
	Optimizatio	on: Cooling set point decrease speed ((K/min) 0.50	۲	
	Optimizatio	on: Valve upper limit	70 %	· · · · · ·	
	Optimizatio	on: Valve lower limit	50 %	· · · · · · · · · · · · · · · · · · ·	
	Optimizatio	on: Delay	1.0 min	· · · · · ·	
	Heating se	et point	35.0 °C	`	
	Cooling se	t point	15.0 °C	۲	
	External	l demand set point configura	tion		
	Parameter		Value		
	External h	eating demand set point	40.0 °C		
	External o	ooling demand set point	8.0 °C		

6.4.2 Temperature Set Points

The page contains parameters for the optimisation of cooling and heating set points. The System Configuration parameters are common for the whole system. The "GOLDx Configuration" parameters are individual for each GOLD unit. Select the GOLD to be configured in the drop down list.

Configuration for external demand where set points are set for each respective parameter.

See Table 2 in Appendix A for more information.

Figure 14. Functions; Temperature Set Points



Н	ome	System Status	System Overv	/iew	Functions		Alarms	Configuration
1	Temperatu	re Control	Temperature Set Points	Temperature Set Points Operation Mode		on Mode		Time Controlled Output
				Time c	hannel			
Function	n Auto-L	ow Speed	Opera	ation mod	e switch NO			
Time	Period		Start HH:MM		End HH:MM			
1	Monday-	Friday	00:00	`	00:00	`		
2	Monday-	Sunday	12:13		18:00	·		
3	Inactive		00:00		00:00			
4	Inactive		00:00					
5	Inactive		00:00			`		
6	Inactive		00:00			<u> </u>		
7	Inactive		00:00			<u> </u>		
8	Inactive		00:00		00:00			
				Year c	hannel			
Time Cha	nnel	Function	Start Date	Start H	H:MM	End Date		End HH:MM
1		Low Speed, No Cooling	den 30 november 2011	00:00	den 30 november 2014		2014	00:00
2		Inactive	den 30 november 2011	00:00		den 30 november		00:00
3	,	Inactive	den 30 november 2011	00:00		den 30 november	2011	00:00
4		Inactive	den 30 november 2011	00:00		den 30 november	2011	00:00
5	;	Inactive	den 30 november 2011	00:00		den 30 november	2011	00:00
6	;	Inactive	den 30 november 2011	00:00		den 30 november	2011	00:00
7	·	Inactive	den 30 november 2011	00:00		den 30 november	2011	00:00
8		Inactive	den 30 november 2011	00:00		den 30 november	2011	00:00

6.4.3 Times/Operation

The Operation Mode page is accessed from the Functions section. The user selects the required operation mode function and sets the time channels (weekly or yearly) and/or digital input 1 to trigger occupancy mode. See Table 3 in Appendix A for more information. Figure 15. Operation Mode



	Home		System Status	System	n Overview	Functio	ons	Alarms	Configuration
	Temperatu	ure Control		Temperature Set I	Points	C	peration Mode		Time Controlled Output
					Time c	hannel			
Fime Channel	Period			Start HH:MM		End HH:MM			
1	Friday			11:35	1	14:11	`		
2	Inactive			00:00	٦	00:00	٦		
3	Inactive		۲	00:00	`	00:00	۲		
					Year cl	nannel			
Time Ch	annel	Function	Start Date		Start HH:MM		End Date		End HH:MM
	1	Active	den 30 januari 201	3	12:30	٦	den 5 februari 2013	`	12:30
	2	Inactive	den 30 november 2	2011	00:00	`	den 30 november 2011	`	00:00
	3	Inactive	den 30 november 2	2011	00:00	•	den 30 november 2011		00:00

6.4.4 Time Controlled Output

The Time Controlled Output page is accessed from the Functions section. The user selects the time channels (weekly or yearly) to set digital output 3.

See Table 4 in Appendix A for more information.



Home	System Stat	us Syste	em Overview	Fu	nctions	Alar		Configuration	
	Alarm List					Digital	Output		
■ Date of appearence	Date of recovery	Device type	Location ID	Local Alarm No.	Priority	Class	Comment		
2014-04-07 09:50:35		NESTOR	-	1	A	System products	Sensor error on Gold un	nit 1	
2014-04-07 09:46:19	2014-04-07 09:50:50	NESTOR	-	10	А	System products		`	
2014-04-07 09:44:23		Gold AHU	2	14:1	A	Air production			
2014-04-07 09:44:23	2014-04-07 09:45:34	Gold AHU	2	69:5	A	Air production	Test comment 2	`	
2014-04-07 09:44:17		Gold AHU	1	7	Α	Air production	Test comment 1	`	
2014-04-07 09:44:17	2014-04-07 09:47:45	Gold AHU	1	57	В	Air production		`	
2014-04-07 09:44:17		Gold AHU	1	58	В	Air production		`	
2014-04-07 09:44:17		Gold AHU	2	8:1	Α	Air production		•	
2013-10-30 07:55:00		Zone controllers	1-0-2	65	A	Climate Supply		`	
2000-01-28 04:29:00		Zone controllers	1-0-2	65	Α	Climate Supply		· ·	
2000-01-06 20:51:00		Zone controllers	1-0-2	65	A	Climate Supply			
1999-12-26 10:34:00		Zone controllers	1-0-2	65	A	Climate Supply		`	
1999-12-25 13:54:00		Zone controllers	1-0-2	65	A	Climate Supply			
1999-12-25 13:51:00		Room controllers	1-0-2-1	65	В	Climate Supply			
1999-12-25 13:44:00		Zone controllers	1-0-1	65	A	Climate Supply		`	
1999-12-25 13:09:00		Zone controllers	1-0-1	65	A	Climate Supply		•	
1999-12-24 21:14:00		Zone controllers	1-0-1	65	А	Climate Supply	1	•	

6.5 Alarms

6.5.1 Alarm List

The alarm list displays the 200 most recent alarms in the system. The list can be sorted by any of its columns, and the recovered alarms can be hidden.

The refresh button can be used if the user has administrator privileges. This will remove all posts and forces NESTOR to read the alarm status from all products once again. Note that no alarms are cleared in the underlying products.

Recovered alarms will not reappear in the list, except for the zone and room controllers, which are stored in Super WISE. NESTOR will find the recovered alarm posts and re-display them in the list.

See Table 5 in Appendix A for more information.

Figure 17. Alarm List



Swego		NG INDOOR CLIMATE			NESTOR - Data received
Home	System :	Status System Overview	Functions	Alarms	Configuration
	Alarm	i List		Digital Output	
		Classification System products Air production Cooling/Heating production Climate Supply	Priority A & B A A None		
∆ i 23.7 °C 🚽	。 0.0 ℃	8 🔟 🔀 🖄			Q 8
					Figure 18. Digital outpu

6.5.2 Digital Output

The Digital Output page contains settings to use on digital output 4, to indicate an active alarm. The user selects the alarm priority for each device type classification which should set the digital output. Priority "None", "A" or "A and B" can be selected individually for each device class.



Home	System S	tatus	System Ove	rview	Function	ons	Alarms	Configuration
NESTOR	System Product Connec	tion Syste	m Product Config	E-mail s	settings	Users	SW Update	ММС
		TCP/IP SI	TTINCC					
		Setting	111105		NESTOR Port			
		Static IP/DH			Static IP		_	
		Domain nam					-	
		MAC addres			00:12:7C:01:32:/	17	-	
		IP address			10.200.1.1			
		Webserver	port		80			
		Subnet mas			255.0.0.0			
		Gateway			0.0.0.0			
		Primary DNS	:		0.0.0.0			
		Secondary			0.0.0.0			
		Secondary	545		0.0.0.0		_	
		Date/Time	e					
		Date				den 9 april 2013		
		Time				07:45:08		
				Reboot	Reset			

6.6 Configuration

System configurations are entered in this section and its sub pages.

6.6.1 NESTOR

TCP/IP settings for NESTOR are entered here. If a DHCP server is accessible, it is recommendable to use this server in order to avoid IP conflicts.

Static IP means that the NESTOR obtains a permanent IP address, which the user must specify. This works well for small networks, however in other cases IP addresses should be selected with great care so the selected IP address does not end up in conflict with another IP address.

A DNS checks whether the IP address is represented by some name. One example is the IP address 62.119.110.110, which obtains the name: swegon.com by a DNS. The MAC address is the unique hardware address allocated to the network card when the card is produced. This address can never be changed and is always unique. For information about which IP address, subnet mask, gateway and DNS is appropriate to use, contact the network manager.

It is possible to reset the software from this page. This means that all functions restored to the factory settings. It is also possible to reboot the NESTOR from this page. See Table 6 in Appendix A for more information.



	Home	Syste	m Status		Systen	1 Overview	erview Functions			Alarms	Configuration			
N	ESTOR	System Product Co	nnection Syste	em Prod	uct Confi	g E-n	ail settings	Users	Users SW Update			MMC		
llue E	Box						External	sources		Externa	al demands			
pe	ModBu	s ID Name					Parameter		Value	Parameter		Value		
hiller	70	Roof Chiller				`	External heat sour	се	On 🔪	External heating	demand activati	on Off		
							External cool sour	ce	Off	External cooling (demand activation	on On		
old A	HU			De	mata							Connected		
No.	Connected	IP number	ModBus Port		mote ss port	Name					Gold version	Connected SuperWise		
1	V	10.8.27.88	502		80 `	Version D, roo	f			٦	Ver. D	None		
2	V	10.8.27.56	502		80 `	1st floor entra	nce				Ver. E	1		
3	V	172.16.0.109	502		80 `	2nd floor					Ver. E	None		
4		10.8.27.255	502		80 `					`	Ver. E	None		
5		0.0.0.0	502		80 `					`	Ver. E	None		
6		0.0.00	502		80 `					`	Ver. E	None		
7		0.0.0.0	502		80 `					•	Ver. E	None		
8		0.0.0.0	502		80 `					•	Ver. E	None		
	Nico													
No.	Connected	IP number	ModBus I	Dort	Remote									
1		10.8.27.92	1 502	- UNI	8		n building							
2		0.0.0.0	502	-	8		~~							
3		0.0.0.0	502	-	8	0								
4		0.0.0.0	502	-1	8	0								
5		0.0.0.0	502	-	8	0								
6		0.0.0.0	502		8	0								
7		0.0.0.0	502		8	0								
8		0.0.0.0	502	-	8	0								

6.6.2 System product connection

Connection of devices (GOLD, Super WISE and Swegon Chiller/Heat pump, External sources) are made on this page. See Table 7 in Appendix A for more information. Figure 20. System Product Connection



Home System Status System Overvi NESTOR System Product Connection System Product Config					Sy	/stem Overviev	/	Functi	ons		Alarms			Configuration			
1	IESTOR	System Product	Connection	Sy	vstem Product Config E-mail settings			Users				SW U	pdate		MN	IC	
old A	Name		Use Nes Operati Mode (Overrid	on	Valid internal outdoor sensor	Use system outdoor temp		Only f	for water EH	r coils su XH	Ipplied b	y a Nest РН	or cooli	ng and/o EC	r heating XC	g sourc AYCC	
1	Floor 1a	٦	V		1			V		V		1			7	1	
2	Floor 1b	`	7		V	V								V	1	1	
3	Floor 1c	۲	V		1	V		1		V	V		1	1		1	
4	Floor 2a	*			V	V					V	V		V			
5	Floor 2b																
6	Floor 2c	`								V		7		1		1	
Abbreviation for the heating and cooling sequences OH = Ordinary Heating EH = Extra Heating XH = X-zone Heating AYCH = All Year Comfort Heating PH = Preheating OC = Ordinary Cooling EC = Extra Cooling XC = X-zone Cooling																	
									EC = E XC = X	Extra Cooli K-zone Co	-	Cooling					

6.6.3 System Product Config

Configurations for connected GOLD units are made on this page.

See Table 8 in Appendix A for more information.



Home	System Status	s System Over	rview	Funct	ions	Alarms	Configuration
NESTOR	System Product Connection	System Product Config	E-mail :	settings	Users	SW Update	MMC
	En	nail settings					
		nail server		External E-mail s	erver (ISP)		
	Ex	ternal SMPT server		172.16.0.247			
	Ext	ternal SMPT Portnumber		25			
	Ext	ternal SMPT login		aggregat			
	Ext	ternal SMPT password		aggregat			
	Em	ail sender		NESTOR@sweg	jon.se		
	E-r	nail reply-path					
	Ala	arm email language		English			

6.6.4 E-mail settings

E-mail settings for alarm notifications are defined on this page. If NESTOR is to manage the e-mail, fill in the SMTP server. This address can be a domain name or an IP address. The e-mail reply-path can be the same as the sender address, if the NESTOR has a unique e-mail address of its own.

It is often appropriate to enter the address to the person who is responsible for the NESTOR in both e-mail address boxes. Figure 22. E-mail settings

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Home	System St	atus	System Over	view	Functions		Alarms	Configuration
NESTOR	System Product Connec	tion System	Product Config	E-mail settings		Users	SW Update	MMC
		Name						
		reader			Edit	Delete		
		writer			Edit	Delete		
		service			Edit	Delete		
		admin			Edit	Delete		
					Edit	Delete]	
							\mathbf{X}	
				Userna	me:	charlie		
				Name: E-mail:		Charlie charlie@mail.co		
				Phone		+46123456789	m	
				Group:		Service -		
				Passw		•••••		
				Retype Email a	password			
				Email a	uartti.	Alarm Notificati	ons	
						C	ancel OK	

Figure 23. User settings

6.6.5 Users

Includes settings for different user access privileges, and configurations of alarm notifications by e-mail for each user.

Users can be managed on this tab. It is possible to specify who has access to web pages, as well as how and who to inform when alarms are generated.

Set the priority (None, A or A and B) for each device type that should generate an alarm e-mail. This is configured according to Fig. 24.

It is possible to enter a password for each user here. The passwords and user names must not contain any special characters.

The initial setting for the various user passwords:

User	Password
reader	reader
writer	writer
service	service
admin	admin

Home	System State	us System C	Iverview	Functions		Alarms		Conf	figuration
NESTOR	System Product Connectio	n System Product Config	E-mail settings		Users	S	W Update		MMC
	Na	ame							
	re	ader		Edit	Delete	•			
	w	riter		Edit	Delete	•			
	se	rvice		Edit	Delete				
	ad	min						×	
						E-n	nail notifica	ation	
				Alarm clas		None	A	A & B	
				System proc		0	0	۲	
				Air productio	on	0	0	۲	
	-			Cooling/Heat	ting production	0	۲	\bigcirc	
	-			Climate Supp	ply	۲	\bigcirc	0	
	_			Miscellaneou	us	۲	\bigcirc	0	
				<< Back	<				

Figure 24. User settings





Home	System Status		System Overv	iew Fu	nctions	Alarms	Configuration
NESTOR	System Product Connection	System Proc	luct Config	E-mail settings	Users	SW Update	MMC
				NESTOR update			
		C	urrent version:		0.99		
		s	tatus:	Update has timed of for the user to	ut while waiting accept updating		
				Rescan MMC			

6.6.6 SW Update

On the software update page, the user can see which software version the NESTOR contains. If a memory card that contains a newer software version is inserted into the memory card reader, the system will indicate on the status line that an update is available. When an update is available, the user can update NESTOR by pressing on Start upgrading.

The power supply must not be broken during the software update process.

Sweg		IDOOR CLIMATE			NESTOR - Data received
Home	System Status	System Overview	Functions	Alarms	Configuration
NESTOR	System Product Connection	System Product Config E-	mail settings Users	s SW Update	MMC
		nestor v99 iffs version.crc	2. update.tar.oz		
1.9 ℃	🙏 19.9 °C 🔀 🕻	🔟 🔀 🖄			51
					Fig. 26: MM0

6.6.7 MMC

If a memory card is inserted, the user can open or fetch files from the memory card to a local computer, on the memory card page. Manuals, etc. can be stored on the memory card so that they are always available.

Table 1: Temperature Control

Signal text	Description	Default	Min	Max	Device
	Configurations				
Cooling activation delay	Delay time for each GOLD to switch between cooling demand and no cooling demand. Increase this time if the system cooling demand appear and disappear too often.	5	0	1000	minute
Heating activation delay	Delay time for each GOLD to switch between heating demand and no heating demand. Increase this time if the system heating demand appear and disappear too often.	5	0	1000	minute
Prioritise cooling at out- door temp higher than	On a simultaneous cooling and heating demand, the unit will produce heating if the system outdoor temperature is lower than this value. Otherwise it will produce cooling. This is only applicable when using a Swegon Reversible Chiller. To always prioritise heating, set this value to 80 °C. To always prioritise cooling, set this value to -40 °C.	10	-40	80	°C
Min days between mode switches	Minimum number of days between switching from heat to cooling energy production and vice versa. This is only applicable when using a Swegon Reversible Chiller. If switching is allowed under all circumstances, set this value to 0.	0	0	365	day
Min hours between mode switches	Minimum number of hours between switching from heat to cooling energy production and vice versa. This is only applicable when using a Swegon Reversible Chiller. If switching is allowed under all circumstances, set this value to 0.	6	0	24	hour
Prioritised mode	Prioritised mode of heating or cooling regarding minimum switch time.	0	0	1	-
Min hour to force priori- tised mode	The minimum time between switching from heating to cooling and switching from cooling to heating, if the " <i>Prioritised mode</i> " is " <i>Heating</i> ". Otherwise, minimum time between switching in the other way. This value replaces the value of " <i>Min days between mode switches</i> " and " <i>Min hours between mode switches</i> " in the direction given by " <i>Prioritised mode</i> ".	1	0	256	hour
Heat limit detection	Activation and type selection of Heat limitation. None: No Heat limitation. Outdoor temp: Heat limitation activated when the outdoor temperature is lower than the "Outdoor temperature heat limit". Heat limitation is deactivated when the outdoor temperature has increased by 3 Kelvin. Supply flow temp: Heat limitation is activated when the supply water temperature is more than "Heat limit hysteresis" below the heating set point for more than "Heat limit Delay" minutes. Heat limitation is deactivated in one of two ways, Alt. 1) When the Swegon Heat pump/Reversible unit is active and the supply flow temperature is less than "Heat limit hysteresis" below the heating set point for more than the Heat limit activation time in minutes. Alt. 2) When the Swegon Heat pump/Reversible unit is not active and the outdoor temperature has increased by more than 3 Kelvin since entering the Heat limitation mode. This is only applicable when using a Swegon Chiller of Heat Pump type or Reversible.	0	0	2	-
Heat limit action	Action to take when Heat limitation is active. None : The Swegon Heat pump/Reversible unit and the external heating are turned off. Switch : The Swegon Heat pump/Reversible unit is turned off and the external heating is activated. Both : Swegon Heat pump/Reversible unit continues to be activated and external heat is activated. This is only applicable when using a Swegon Chiller of Heat Pump type or Reversible.	0	0	2	-
Outdoor temperature heat limit	Heat limitation activation level when the Heat limit activation type is <i>Outdoor temp</i> . See also description of parameter " <i>Heat limit detection</i> ".	-5	-20	80	°C
Heat limit hysteresis	See description of parameter Heat limit activation, type Supply flow temp	3	0	10	К
Heat Limit Delay	See description of parameter Heat limit activation, type Supply flow temp.	10	0	10000	minute
System outdoor tempera- ture collected from	The GOLD unit to collect the system outdoor temperature from. If "GOLD 1"-"GOLD 8" is selected, NESTOR collects the external outdoor temperature in that GOLD unit. If " <i>None</i> " is selected, no common outdoor temperature is used and the system outdoor temperature is selected from the first found reliable internal outdoor sensor in any GOLD unit.	1	0	8	-
Aqualink Activation	Activation of AQUA Link function. Only relevant when the Swegon Chiller/Heat pump type is Chiller or Heat pump (not reversible).	0	0	1	-
Aqualink alarm input	Select if a closed input (NO) or open (NC) shall generate the AQUA Link alarm	0 (NO)	0	1	-
External cooling demand function	Function selection for external cooling demand. Economy: The total system cooling set point should always be set to the same setting as that of the GOLD system as long as there is a cooling demand in the GOLD system, regardless of the external cooling demand set point. If there is only external cooling demand, this cooling set point is used as the system set point. Comfort: When there is a cooling demand both in the GOLD system and externally, the lowest of these cooling set points is used as the system set point. If there is only external cooling demand at one location, this relevant cooling set point is used as the system set point.	0	0	1	-
External heating demand function	Function selection for external heating demand. Economy: The total system heating set point should always be set to the same setting as that of the GOLD system as long as there is a heating demand in the GOLD system, regardless of the external heating demand set point. If there is only external heating demand, this heating set point is used as the system set point. Comfort: When there is a heating demand both in the GOLD system and externally, the highest of these heating set points is used as the system set point. If there is only external heating demand at one location, this relevant heating set point is used as the system set point.	0	0	1	-
Ext. cooling demand input	Select whether a closed input (NO) or an open one (NC) shall indicate an external cooling demand.	0	0	1	-
Ext. heating demand input	Select whether a closed input (NO) or an open one (NC) shall indicate an external heating demand.	0	0	1	-
	Readings	1	1	1	
Cooling supply set point	The current total system cooling set point. The value sent to the Chiller/Reversible Chiller.	-	-20	80	°C
Heating supply set point	The current total system heating set point. The value sent to the Heat pump/Reversible Chiller.	-	10	80	°C
System cooling demand	Indicates if there is a cooling demand or not in the system	-	0	1	-
System heating demand	Indicates if there is a heating demand or not in the system	-	0	1	-
Supply flow water temp:	The temperature of the supply water from the Swegon Chiller/Heat pump	-	-20	80	°C
Return water temp.	The temperature of the return water to the Swegon Chiller/Heat pump	-	-20	80	°C
Outdoor temperature Time since last switch	The system outdoor temperature Time since the most recent switch between cooling energy and heat production. Only relevant if a Reversible	-	-50 0	80 32767	°C minute
	Chiller is used.	1	1	1	1

Table 1: Temperature Control



Table 2: Temperature Set Points

Signal text	Description	Default	Min	Max	Device
	Common/Global Configurations				
Optimisation Heating diff.	The allowed difference between the set point and the reference water temperature. If the reference water temperature is between the set point value and the set point minus this value, optimisation is allowed. The value should normally have the same value as the heating diff. in the Swegon Heat pump/Reversible Chiller. <i>Tuning tip</i> : If the reference water temperature goes below "the set point minus the diff" in each cycle before the compressor(s) is started, the diff can be increased by the same amount that the temperature goes below that limit. This will allow a little more optimisation and result in a higher temperature set point. This in turn results in better heating comfort. <i>NOTE!</i> The heating diff in NESTOR, and NOT in the Swegon Heat pump/Reversible Chiller, shall be increased. The parameter is only relevant when using a Heat pump or Reversible Chiller.	3	0	10	К
Optimisation Cooling Diff.	The allowed difference between the set point and the reference water temperature. If the reference water temperature is between the set point value and the set point plus this value, optimisation is allowed. The value should normally have the same value as the cooling diff. in the Swegon Chiller/Reversible Chiller. <i>Tuning tip</i> : If the reference water temperature goes above "the set point plus the diff" in each cycle before the compressor(s) is started, the diff can be increased by the same amount that the temperature goes above that limit. This will allow a little more optimisation and result in a lower temperature set point. This in turn results in better heating comfort. <i>NOTE!</i> The cooling diff in NESTOR, and NOT in the Swegon Chiller/Reversible Chiller, shall be increased. The parameter is only relevant when using a Chiller or Reversible Chiller.	2	0	10	К
	GOLD unique configurations	1		1	1
Optimisation: Heating set point increase speed (K/min)	The speed at which the heating set point increases when optimisation is allowed, the delay time has elapsed and the valve is too open. <i>Tuning tip</i> : Increase this value if the heating power consumption varies often and the hot water temperature is sometimes too low. Decrease the value if the set point is periodically increasing and decreasing, and the tuning tip for the valve limits have already been performed without result.	0,5	0,01	10	K/ minute
Optimisation: Heating set point decrease speed (K/min)	The speed at which the heating set point decreases when optimisation is allowed, the delay time has elapsed and the valve is too closed. <i>Tuning tip</i> : Increase this value if the heating power consumption varies often and the hot water temperature is sometimes too high. Decrease the value if the set point is periodically increasing and decreasing, and the tuning tip for the valve limits have already been performed without result.	0,25	0,01	10	K/ minute
Optimisation: Cooling set point increase speed (K/min)	The speed at which the cooling set point increases when optimisation is allowed, the delay time has elapsed and the valve is too closed. <i>Tuning tip</i> : Increase this value if the cooling power consumption varies often and the cold water temperature is sometimes too low. Decrease the value if the set point is periodically increasing and decreasing, and the tuning tip for the valve limits have already been performed without result.	0,25	0,01	10	K/ minute
Optimisation: Cooling set point decrease speed (K/min)	The speed at which the cooling set point decreases when optimisation is allowed, the delay time has elapsed and the valve is too open. <i>Tuning tip</i> : Increase this value if the cooling power consumption varies often and the cold water temperature is sometimes too high. Decrease the value if the set point is periodically increasing and decreasing, and the tuning tip for the valve limits have already been performed without result.	0,5	0,01	10	K/ minute
Optimisation: Valve upper limit	The upper limit of the target zone for the valve position. <i>Tuning tip</i> : Set the gap between upper and lower valve limits to a slightly greater difference than the difference between the lowest and highest valve positions within a heating or cooling production cycle (from the compressor(s) being activated, until it is activated the next time). To save more energy, increase this upper limit. If a heating or cool- ing consumer does not get hot or cold enough water during some part of the cycle, decrease this upper limit.	70	20	100	%
Optimisation: Valve lower limit	The lower limit of the target zone for the valve position. <i>Tuning tip</i> : Set the gap between upper and lower valve limits to a slightly greater difference than that between the lowest and highest valve positions within a heating or cooling production cycle (from the compressor(s) being activated, until it is activated the next time). To save even more energy, increase this upper limit. If a heating or cooling consumer does not get hot or cold enough water during some part of the cycle, decrease this lower limit.	50	10	95	%
Optimisation: Delay	Delay time that must elapse before optimisation is allowed, when the reference water temperature "enters" the zone between the set point and the set point minus (plus for cooling) diff value. Tuning tip: If a cooling and heating production cycle is very short, this value can be decreased to allow optimisation before it is to late i.e. before the reference temperature leaves the zone between set point and set point minus (plus for cooling) diff. For systems with large volume (accumulator tanks) the value should be increased to achieve more stable set point optimisation. Decreasing the delay time can to some extent be compared to increasing the heating and cooling set point rates of change. Increasing the delay time can in turn be compared to decreasing the same.	1	0	60	minute
Heating supply set point	If optimisation is not activated for a particular GOLD unit, this value is used as the heating set point for that GOLD. If optimisation is activated, this value is the starting value for the optimised set point. When changing this value, the optimisation result (for the particular GOLD unit) is immediately updated to the new value for this parameter. <i>Tuning</i> <i>tip</i> : When starting up, set this value to what is believed to be a good hot water temperature for the moment.	35	5	60	°C
Cooling supply set point	If optimisation is not activated for a particular GOLD unit, this value is used as the cooling set point for that GOLD. If optimisation is activated, this value is the starting value for the optimised set point. When changing this value, the optimisation result (for the particular GOLD unit) is immediately updated to the new value for this parameter. <i>Tuning</i> <i>tip</i> : When starting up, set this value to what is believed to be a good cold water temperature for the moment.	15	-5	25	°C
	External demand set point configuration	-			
External cooling demand set point	Set point for external cooling demand. See the description of the External cooling demand function for more information about how the value is used.	8	-50	50	°C
External heating demand set point	Set point for external heating demand. See the description of the External heating demand function for more information about how the value is used.	40	0	100	°C

Table 2. Temperature Set Points

Swegon

Table 3: Operation Mode

Signal text	Description	Default	Min	Max	Device
	Time channel				
Function	Selection of action in No occupancy and Occupancy respectively. Occupancy occurs when the actual time is within any of the 8-week based time channels OR when digital input 1 indicates Occupancy. <i>Auto – Auto</i> : Each GOLD works according to individual time channel settings. <i>Auto, No cooling – Auto</i> : The chiller is not allowed to produce cooling in No occupancy mode. Using this setting, but no time channels, results in cooling never being activated. <i>Auto – Low speed</i> : In No occupancy mode, each GOLD works according to individual time channel settings. In Occupancy mode, they run at low speed (or the higher prioritised <i>High speed</i> or <i>Stop</i> , set from local time channels for GOLD). <i>Auto, No cooling – Low speed</i> : In No occupancy mode, they run at low speed (or the higher prioritised <i>High speed</i> or <i>Stop</i> , set from local time channels for GOLD). <i>Auto, No cooling – Low speed</i> : In No occupancy mode, each GOLD works according to individual time channels childre is not allowed to produce cooling in No occupancy mode. <i>Auto – High speed</i> : In No occupancy mode, each GOLD works according to individual time channels for GOLD). <i>Auto, No cooling – Low speed</i> : In No occupancy mode, each GOLD works according to individual time channels for GOLD). <i>Auto, No cooling – High speed</i> : Same as above, but the chiller is not allowed to produce cooling in the No occupancy mode. <i>Low speed – High speed</i> : In No occupancy mode, GOLD AHU runs at low speed (or the higher prioritised <i>"high speed</i> " or " <i>stop</i> " set from local GOLD time channels). In Occupancy mode, they run at high speed (or the higher prioritised <i>Stop</i> , set from local time channels). In Occupancy mode, they run at high speed (or the higher prioritised <i>Stop</i> , set from local time channels). In Occupancy mode, they run at high speed (or the higher prioritised <i>Stop</i> , set from local time channels). In Occupancy mode, they run at high speed (or the higher prioritised <i>Stop</i> , set from local time channels for GOLD). <i>Low speed, No cooling – High speed</i> : Same as above but t	0	0	7	-
Operation mode switch	Selects whether the digital input 1 shall indicate Occupancy mode when it is closed or open. <i>NO</i> : When the input is closed, it activates Occupancy mode <i>NC</i> : When the input is open, it sets Occupancy mode	0	0	1	-
Period (for Time Channels 1 – 8)	Selects the type of repeating Occupancy "window".	0	0	10	
Start HH:MM (for Time channels 1 – 8)	Selects the start hour and minute for the repeating Occupancy "window".	00:00	00:00	23:59	hour: minute
Stop HH:MM (for Time channels 1 – 8)	Selects the end hour and minute for the repeating Occupancy "window".	00:00	00:00	23:59	hour: minute
	Year channel		^		
Function (for Time channels 1 – 8)	Selection of action when the Year channel is active. The Year channel has higher priority than the Time channel. The Options are the following: <i>Inactive</i> : The Year channel is deactivated <i>Stop, No cooling</i> : Each GOLD unit is stopped and no cooling is allowed. <i>Auto</i> : Each GOLD works according to individual time chan- nels. <i>Auto, No Cooling</i> : As above but no cooling is allowed. <i>Low speed</i> : Each GOLD AHU runs at low speed (or the higher prioritised " <i>high speed</i> " or " <i>stop</i> " set from the local GOLD time channels). <i>Low</i> <i>speed, No Cooling</i> : As above but no cooling is allowed. <i>High speed</i> : Each GOLD AHU runs at high speed (or the higher prioritised " <i>stop</i> " set from the local GOLD time channels). <i>Low</i> <i>speed</i> , <i>No Cooling</i> : As above but no cooling is allowed. <i>High speed</i> : Each GOLD AHU runs at high speed (or the higher prioritised " <i>stop</i> " set from the local GOLD time channels). <i>High speed, No Cool- ing</i> : As above but no cooling is allowed.		0	7	-
Start date (for Time channels 1 – 8)	Selects the start date for the one time appearance of the Year channel action.	2012- 01-01	2010- 01-01	2100- 12-31	year: month: day
Start HH:MM (for Year channels 1 – 8)	Selects the start hour and minute for the one time appearance of the Year channel action.	00:00	00:00	23:59	hour: minute
End date (for Year channels 1 – 8)	Selects the end date for the one time appearance of the Year channel action.	2012- 01-01	2010- 01-01	2100- 12-31	year: month: day
Stop HH:MM (for Year channels 1 – 8)	Selects the end hour and minute for the one time appearance of the Year channel action.	00:00	00:00	23:59	hour: minute

Table 3. Operation Mode

Table 4: Time Controlled Output

Signal text	Description	Default	Min	Max	Device
	Time channel			·	·
Period (for Time Channel 1-3)	"Selects the type of repeating " "window" " to set the digital output 3 within.	0	0	10	-
Start HH:MM (for Time channels 1 – 3)	Selects the start hour and minute for the repeating "window".	00:00	00:00	23:59	hour: minute
Stop HH:MM (for Time channels 1 – 3)	Selects the end hour and minute for the repeating "window".	00:00	00:00	23:59	hour: minute
	Year channel		·	·	
Function (for Year channels 1 – 3)	Activate/deactivate use of the Year channel to set digital output 3.	0	0	1	-
Start date (for Year channels 1 – 3)	Selects the start date for the one time appearance of the Year channel action.	2012-01-01	2010-01-01	2100-12-31	year: month: day
Start HH:MM (for Year channels 1 – 3)	Selects the start hour and minute for the one time appearance of the Year channel action.	00:00	00:00	23:59	hour: minute
End date (for Year channels 1 – 3)	Selects the end date for the one time appearance of the Year channel action.	2012-01-01	2010-01-01	2100-12-31	year: month: day
Stop HH:MM (for Year channels 1 – 3)	Selects the end hour and minute for the one time appearance of the Year channel action.	00:00	00:00	23:59	hour: minute

Table 4. Time Controlled Output



Table 5: Alarm List

Signal text	Description				
Date of appearance	Date and time when the alarm appeared				
Date of recovery	Date and time when the alarm recovered. This field is empty if the alarm is still active				
Device type	The device type which generates alarms. Possible types : NESTOR, Swegon Chiller/Heat pump, GOLD AHU, Super WISE, Zone controllers, Room controllers, Room slave controllers				
Location ID	The ID number of the unit that generates the alarm. Single (1–8) denotes the product at system level, which can be a GOLD unit, a Super WISE or a Swegon Chiller/Heat pump. Zone controllers (always connected to a Super WISE) are shown with three digits in the A B C format, where A is the number of the Super WISE to which it is connected, B is the zone number and C is the number of the duct/damper in the zone. Room controllers (always connected to one zone controller) are shown with four digits in the A B C format, where A, B and C have the same meaning as for one zone controller and D is the number of the room. Room slave controllers (always connected to a zone controller) are shown with five numbers as A-B-C-D-E where A, B, C and D indicate the same as for a room controller and E is the slave number.				
Local Alarm No	The alarm number in the device. Alarms for Version E GOLD units are displayed as group and alarm number (e. g.: 10:10).				
Priority	Can be A or B where A has the highest priority.				
Class	Device type class, which is: System products for Swegon Chiller/Heat pump and NESTOR. Air production for one GOLD unit. Climate supply for Super WISE, zone controller, room controller, slave room controller.				
Comment	Field for adding any additional information text				

Table 5. Alarm List

Table 6: NESTOR configuration

Signal text	Description	Default	Min	Max	Device
	TCP/IP SETTINGS				
Static IP/DHCP	Alternatives are: DHCP and Static IP If a DHCP server is accessible, it is recommendable to use this server. IP conflicts can then be avoided by using DHCP. Static IP means that the NESTOR obtains a permanent IP address, which the user must specify. This works well for small networks, however in other cases IP addresses should be selected with great care so the selected IP address does not end up in conflict with another IP address.	1 (Static IP)	0	1	-
Domain name		-	-	-	-
MAC address	The MAC address is the unique hardware address allocated to the network card when the card is produced. This address can never be changed and is always unique.	-	-	-	-
IP address	Displays the assigned IP address when using a DHCP server. Input field for the IP address to use when using Static IP.	10.200.1.1	0.0.0.0	255.255.255.255	-
Web server port					
Subnet mask					
Gateway					
Primary DNS					
Secondary DNS					
	Date/Time				
Date	Input field for configuration of the current date	2000-01-01	2000-01-01	2099-12-31	
Time	Input field for configuration of the current day	00:00:00	00:00:00	23:59:59	

Table 6. NESTOR configuration

Table 7: System Product Connection

Signal text	Description	Default	Min	Max	Device
	Blue Box				
Туре	Swegon Chiller/Heat pump type is selected as " <i>None</i> ", " <i>Heating</i> " (Heat pump), " <i>Cooling</i> " (Chiller), " <i>Reversible</i> " or " <i>Hybrid system</i> ".	0 (none)	0	4	-
Port	Not relevant	-	-	-	-
ModBus ID	Modbus ID for the Swegon Chiller/Heat pump control interface. Should be 70.	70	1	255	-
Name	Input field. Name of the product which is displayed in the System Overview page.	-	-	-	-
	External sources				
External heat source	Activates external heating. Is automatically activated if <i>Hybrid system</i> is selected as Swegon Chiller/Heat pump type.	0	0	1	-
External cool source	Activates external cooling. Is automatically activated if <i>Hybrid system</i> is selected as Swegon Chiller/Heat pump type.	0	0	1	-
	External demands				
External heating demand activation	Activates (enables use of) external heating demand on digital input (DI) 2.	0	0	1	-
External cooling demand activation	Activates (enables use of) external cooling demand on digital input (DI) 3.	0	0	1	-
	GOLD AHU				
Connected	Connect the actual GOLD AHU to NESTOR. Select this after the correct IP number is given for the unit.	0	0	1	-
IP number	IP number for the actual GOLD AHU	0.0.0.0	0.0.0.0	255.255.255.255	-
Port	Port number in the actual GOLD AHU to use for the Modbus TCP communication with NESTOR. Normally, this is 502.	502	1	30000	-
Name	Input field. Name of the product which is displayed in the System Overview page.	-	-	-	-
Connected Super WISE	Select the number of the Super WISE, if any, which is connected to the actual GOLD AHU.	0 (none)	0	8	-
Remote Access port	The port mapping number for which the GOLD unit can be connected by Remote Access.	80	0	10000	-
GOLD version	As the GOLD version, select "Version D" or "Version E".	1	0	1	-
	Super WISE				
Connected	Connect the actual Super WISE to NESTOR. Select this after the correct IP number is given for the unit.	0	0	1	-
IP number	IP number for the actual Super WISE	0.0.0.0	0.0.0.0	255.255.255.255	-
Modbus port	Port number in the actual Super WISE to use for the Modbus TCP communication with NESTOR. Normally, this is 502.	502	1	30000	-
Remote Access port	The port mapping number for which the Super WISE unit can be connected by Remote Access.	80	0	10000	-
Name	Input field. Name of the product which is displayed in the System Overview page.	-	-	-	-

Table 7. System Product Connection

Table 8: System Product Config

Signal text	Description	Default	Min	Max	Device	
GOLD AHU						
Name	Input field. Name of the product which is displayed in the System Overview page. Same field as in the System Product Connection page.	-	-	-	-	
Use NESTOR Opera- tion Mode (Override)	Select this to get the particular GOLD AHU affected by the NESTOR operation mode.	0	0	1	-	
Valid internal outdoor sensor	The GOLD unit's INTERNAL outdoor temperature sensor is treated as <i>reliable</i> or <i>valid</i> , which means it can be used as the system outdoor temperature if no external sensor is selected in the Functions- >Temperature Control tab or if the selected external sensor is not available.	0	0	1	-	
Use system outdoor temperature	The particular GOLD unit will obtain and use the system outdoor temperature. If not selected, the GOLD unit will use its own temperature setting according to a standard routine.	0	0	1	-	
Use Optimisation	Select this setting to use the cooling and heating temperature set point optimisation. Other configura- tion of the optimisation is done on the Functions->Temperature set points tab.	1	0	1	-	
ОН	Select this if the Ordinary heating sequence for supply air heating is fed by the NESTOR heating source. Note that if it uses an electrical heating coil it is not fed by the NESTOR source. Hence, it should not be selected.	0	0	1	-	
EH	Select this if the <i>Extra heating</i> sequence for supply air heating is fed by the NESTOR heating source.	0	0	1	-	
ХН	Select this if the Xzone heating sequence is fed by the NESTOR heating source.	0	0	1	-	
AYCH	Select this if the All Year Comfort heating is fed by the NESTOR heating source.	0	0	1	-	
PH	Select this if the <i>Preheating</i> is fed by the NESTOR heating source.	0	0	1	-	
OC	Select this if the <i>Ordinary cooling</i> sequence for supply air cooling is fed by the NESTOR cooling source.	0	0	1	-	
EC	Select this if the <i>Extra cooling</i> sequence for supply air cooling is fed by the NESTOR cooling source.	0	0	1	-	
XC	Select this if the Xzone cooling sequence is fed by the NESTOR cooling source.	0	0	1	-	
AYCC	Select this if the All Year Comfort cooling is fed by the NESTOR cooling source.	0	0	1	-	

Table 8. System Product Config