

## Checklist and commissioning protocol ProNordic/Albatros

Project name		Projectnumber
Installationaddress		Description
Client		Clients reference
Phone number		Email
Ventilation unit		Commissioning date
Type of heatingbattery	Power source	Sign

**The unit must not be started until all documentation has been studied and all electrical fitting and plumbing work has been performed.**

1. Familiarise yourself well with the documentation for the automatic control system
2. Check that the network settings are correct. For 230V 3~Phase, the unit and electric battery must be switched.
3. Start the unit as described in the documentation for the automatic control.
4. Program the various operating times and speeds (possibly including stop)
5. Check that the correct temperature regulation and temperature settings have been selected. Are the sensors located correctly?
6. Check that the fans rotate freely.
7. Check that all air dampers work. The unit must not be operated with closed air dampers! 8. Check that all doors are properly closed.
9. Check that settings on the circuit board are correct (cf. chap. 2-9, in the units installation guide ).
10. Check that the heat recovery system works correctly.
11. Check that the heat control works correctly.
12. If the unit has a water battery, you must test the frost function. Cool the frost sensor to below 5 °C. The unit should stop and the air dampers close.
13. See chapter 4-1.3-Troubleshooting in the units installation guide and follow the instructions.
14. Tighten all terminal blocks after commissioning.

### Setpoint (1)

Name	Area	Factory settings	Projected settings	Custom settings
Sply fan st 1 stpt	0 - 40000	100		
Sply fan st 2 stpt	0 - 40000	300		
Sply fan st 3 stpt	0 - 40000	500		
Sply fan max force	0 - 40000	0		
Exh fan st 1 stpt	0 - 40000	100		
Exh fan st 2 stpt	0 - 40000	300		
Exh fan st 3 stpt	0 - 40000	500		

Name	Area	Factory settings	Projected settings	Custom settings
Exh fan force max	0 - 40000	0		
Comfort clg stpt	0 - 99 °C	22 °C		
Comfort htg stpt	0 - 99 °C	20 °C		
Economy clg stpt	0 - 99 °C	24 °C		
Economy htg stpt	0 - 99 °C	18 °C		
Supply tmp max stpt	-64 - 64 °C	35 °C		
Supply tmp min stpt	-64 - 64 °C	17 °C		
DX start stage 1	0 - 100 %	20 %		
DX start stage 2	0 - 100 %	40 %		
DX step hys off	1 - 100 %	10 %		

### Setpoint (2)

Name	Area	Factory settings	Projected settings	Custom settings
Night clg room stpt	-64 - 64 °C	22 °C		
Night clg room hys	0 - 64 °C	3 °C		
Night clg minOutTmp	-64 - 64 °C	12 °C		
Night clg on delta	1 - 64 °C	5 °C		
Night clg min runtm	0 - 999 min	30 min		
Su comp tmp start	-64 - 64 °C	25 °C		
Su comp tmp end	-64 - 64 °C	30 °C		
Su comp tmp delta	-64 - 64 dK	0 dK		
Wi comp tmp start	-64 - 64 °C	5 °C		
Wi comp tmp end	-64 - 64 °C	-20 °C		
Wi comp tmp delta	-64 - 64 dK	0 dK		
DX min step time	5 - 600 s	360 s		
DX min off time	5 - 600 s	120 s		
StrtUpDly DX fdbk	0 - 36000 s	30 s		
DX min run time	0 - 36000 s	60 s		
DX min run time	0 - 36000 s	60 s		
Htg pump start	-64 - 64 °C	12 °C		
Htg frost stpt	-64 - 64 °C	12 °C		
Standby stpt htg	-64 - 64 °C	20 °C		
Water temp. in	°C			
Water temp. return	°C			
Flows	l/s			
Pressure drop, waterbattery	kPa			
Pressure drop, valve	kPa			
KVS-value, valve				

### TSP

Name	Area	Factory settings	Projected settings	Custom settings
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Name	Area	Factory settings	Projected settings	Custom settings
<b>Schedule step/temp</b>				
<b>Day schedule</b>				
Time 1	**:**, 00:00 - 23:59	00:00:00		
Value 1	Off*Eco St1*Comf St1*Eco St2*Comf St2*Eco St3*Comf St3	Eco.St1		
Time 2	**:**, 00:00 - 23:59	08:00:00		
Value 2	Off*Eco St1*Comf St1*Eco St2*Comf St2*Eco St3*Comf St3	Comf.St1		
Time 3	**:**, 00:00 - 23:59	18:00:00		
Value 3	Off*Eco St1*Comf St1*Eco St2*Comf St2*Eco St3*Comf St3	Eco.St1		
Time 4	**:**, 00:00 - 23:59	*:**:00		
Value 4	Off*Eco St1*Comf St1*Eco St2*Comf St2*Eco St3*Comf St3	Av		
Time 5	**:**, 00:00 - 23:59	*:**:00		
Value 5	Off*Eco St1*Comf St1*Eco St2*Comf St2*Eco St3*Comf St3	Av		
Time 6	**:**, 00:00 - 23:59	*:**:00		
Value 6	Off*Eco St1*Comf St1*Eco St2*Comf St2*Eco St3*Comf St3	Av		
<b>Exceptions</b>				
Time 1	**:**, 00:00 - 23:59	00:00:00		
Value 1	Off*Eco St1*Comf St1*Eco St2*Comf St2*Eco St3*Comf St3	Av		
Time 2	**:**, 00:00 - 23:59	00:00:00		
Value 2	Off*Eco St1*Comf St1*Eco St2*Comf St2*Eco St3*Comf St3	Av		
Time 3	**:**, 00:00 - 23:59	*:**:00		
Value 3	Off*Eco St1*Comf St1*Eco St2*Comf St2*Eco St3*Comf St3	Av		
Time 4	**:**, 00:00 - 23:59	*:**:00		
Value 4	Off*Eco St1*Comf St1*Eco St2*Comf St2*Eco St3*Comf St3	Av		
Time 5	**:**, 00:00 - 23:59	*:**:00		
Value 5	Off*Eco St1*Comf St1*Eco St2*Comf St2*Eco St3*Comf St3	Av		

Name	Area	Factory settings	Projected settings	Custom settings
Time 6	**:**, 00:00 - 23:59	*:**:00		
Value 6	Off*Eco St1*Comf St1*Eco St2*Comf St2*Eco St3*Comf St3	Av		

Settings				
Name	Area	Factory settings	Projected settings	Custom settings
TSP step/temp	Off*Eco St1*Comf St1*Eco St2*Comf St2*Eco St3*Comf St3	Eco.St1		
Copy schedule	Monday to*Tu to Fr	Mon. to*		

#### Cascade controller

Name	Area	Factory settings	Projected settings	Custom settings
Casc controller tmp				
Dead zone	-	2		
Gain	-	2		
Int action time	-	0s		
Max limit	15-25°C	25°C		
Min limit	15-25°C	15°C		

#### Configuration

Name	Area	Factory settings	Projected settings	Custom settings
Supply tmp sensor	-	Ja		
Exh air tmp sensor	-	Ja		
Outs air tmp sensor	-	Ja		
TSP function	-	Steps+Tmp		
TSP steps	-	3 steps		
Fan control mode	-	Flow		
Tmp control mode	-	Supply		
Heat recovery	-	Wheel		
Damper	-	Sply+Exh		
Filter	-	Sply+Exh		
Flow display	-	Ja		