

Compact air handling units Topvex SC, TC, SR, TR

Commissioning Record

GB

Document in original language | 162527 · A003



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1 Commissioning record

Company:
Responsible:

Customer:	Date:
Installation/Project:	Installation address:
Object/Unit:	Model/Size:
Item no.:	Serial no.:

Access Software version:	Operator password: 1111	Service password: 0612
	Operator password changed:	Service password changed:
Time and date set: <input type="checkbox"/>	Weekly program set: <input type="checkbox"/>	External connections (sensors, dampers, external alarm etc.) performed: <input type="checkbox"/>
Installation and service partner information entered into Access'  System information page. <input type="checkbox"/> ¹		

¹ See chapter "System information" in document "Quick guide" available at www.pacificventilation.com.au

2 Notes and signatures

Signature:

Printed name: _____

Location: _____

Date: _____

Phone no.: _____

3 Function settings

3.1 Airflow

Function	Default setting	Set value
Airflow		
Fan levels	<input type="checkbox"/> Low <input checked="" type="checkbox"/> Normal <input type="checkbox"/> High	<input type="checkbox"/> Low <input type="checkbox"/> Normal <input type="checkbox"/> High
Fan control type	<input checked="" type="checkbox"/> Flow (CAV) <input type="checkbox"/> Pressure (VAV)	<input type="checkbox"/> Flow (CAV) <input type="checkbox"/> Pressure (VAV)
Flow preference unit	<input checked="" type="checkbox"/> m ³ /h <input type="checkbox"/> l/s <input type="checkbox"/> m ³ /s <input type="checkbox"/> CFM	<input type="checkbox"/> m ³ /h <input type="checkbox"/> l/s <input type="checkbox"/> m ³ /s <input type="checkbox"/> CFM
Pressure preference unit	<input checked="" type="checkbox"/> Pa <input type="checkbox"/> in wg (x100)	<input type="checkbox"/> Pa <input type="checkbox"/> in wg (x100)
Air flow setpoints		
		Supply airflow at low speed _____ Extract airflow at low speed _____ Supply airflow at normal speed _____ Extract airflow at normal speed _____ Supply airflow at high speed _____ Extract airflow at high speed _____

Airflow readings	Output %	Flow	Pressure
Supply airflow at low speed	_____	_____	_____
Extract airflow at low speed	_____	_____	_____
Supply airflow at normal speed	_____	_____	_____
Extract airflow at normal speed	_____	_____	_____
Supply airflow at high speed	_____	_____	_____
Extract airflow at high speed	_____	_____	_____

Fan compensation curves (configuration)	Curve 1 <input type="checkbox"/>	Curve 2 <input type="checkbox"/>	Curve 3 <input type="checkbox"/>
Fan level	<input type="checkbox"/> All levels <input type="checkbox"/> Low speed <input type="checkbox"/> Normal speed <input type="checkbox"/> High speed <input type="checkbox"/> Low + Normal speed <input type="checkbox"/> Normal + High speed	<input type="checkbox"/> All levels <input type="checkbox"/> Low speed <input type="checkbox"/> Normal speed <input type="checkbox"/> High speed <input type="checkbox"/> Low + Normal speed <input type="checkbox"/> Normal + High speed	<input type="checkbox"/> All levels <input type="checkbox"/> Low speed <input type="checkbox"/> Normal speed <input type="checkbox"/> High speed <input type="checkbox"/> Low + Normal speed <input type="checkbox"/> Normal + High speed
Mode	<input type="checkbox"/> All modes <input type="checkbox"/> When defrosting	<input type="checkbox"/> All modes <input type="checkbox"/> When defrosting	<input type="checkbox"/> All modes <input type="checkbox"/> When defrosting
Fan	<input type="checkbox"/> Supply + Extract <input type="checkbox"/> Supply <input type="checkbox"/> Extract	<input type="checkbox"/> Supply + Extract <input type="checkbox"/> Supply <input type="checkbox"/> Extract	<input type="checkbox"/> Supply + Extract <input type="checkbox"/> Supply <input type="checkbox"/> Extract
Sensor	_____	_____	_____

Fan compensation curves (settings)	Sensor value	Compensation	Sensor value	Compensation	Sensor value	Compensation
Lowest sensor value	_____	_____	_____	_____	_____	_____
Middle sensor value	_____	_____	_____	_____	_____	_____
Highest sensor value	_____	_____	_____	_____	_____	_____

3.2 Temperature

Function	Default setting	Set value
Temperature	<input checked="" type="checkbox"/> °C <input type="checkbox"/> °F	<input type="checkbox"/> °C <input type="checkbox"/> °F
Temperature control type and set point	<input type="checkbox"/> Supply 18 °C <input checked="" type="checkbox"/> Extract 22 °C <input type="checkbox"/> Room 22 °C	<input type="checkbox"/> Supply _____ ° <input type="checkbox"/> Extract _____ ° <input type="checkbox"/> Room _____ °
Neutral zone type	<input checked="" type="checkbox"/> ½ neutral zone <input type="checkbox"/> Neutral zone to cooling <input type="checkbox"/> Neutral zone to heating	<input type="checkbox"/> ½ neutral zone <input type="checkbox"/> Neutral zone to cooling <input type="checkbox"/> Neutral zone to heating
Neutral zone	0 °C	_____ °

Function	Default setting	Set value
Summer/Winter mode	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Summer mode temperature set point	<input type="checkbox"/> Supply _____ °C <input type="checkbox"/> Extract _____ °C <input type="checkbox"/> Room _____ °C	<input type="checkbox"/> Supply _____ ° <input type="checkbox"/> Extract _____ ° <input type="checkbox"/> Room _____ °
Switch between cascade control during Summer and outdoor compensated supply control during Winter	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Type of switch to indicate Summer	<input type="checkbox"/> Calender From Date: _____ Month: _____ To Date: _____ Month: _____	<input type="checkbox"/> Calender From Date: _____ Month: _____ To Date: _____ Month: _____
	<input type="checkbox"/> Digital input <input type="checkbox"/> Outdoor temp. > 13 °C	<input type="checkbox"/> Digital input <input type="checkbox"/> Outdoor temp. > _____
If outdoor comp. temp. control		
Outdoor temp/setpoint Curve point 1, 2, 3, 4:	-20 / 25 °C -10 / 23 °C 0 / 22 °C 10 / 18 °C	____ ° ____ ° ____ ° ____ °
If cascade control:		
Min supply air temp. limit	14 °C	____ °
Max supply air temp. limit	30 °C	____ °
Cooling recovery		
Mode	<input checked="" type="checkbox"/> On <input type="checkbox"/> Off	<input type="checkbox"/> On <input type="checkbox"/> Off
Start at temp. difference	2 °C	____ °
Cooling		
Type of cooler	<input type="checkbox"/> Water <input type="checkbox"/> DX	<input type="checkbox"/> Water <input type="checkbox"/> DX
If water cooler		
Type of feedback, pump	<input type="checkbox"/> None <input checked="" type="checkbox"/> Alarm <input type="checkbox"/> Run indication	<input type="checkbox"/> None <input type="checkbox"/> Alarm <input type="checkbox"/> Run indication
Pump stop delay	5 min	____ min

Function	Default setting	Set value
If DX cooler		
Reduction of min limit supply air temp. when DX cooling	5 °C	_____ °
Min setpoint deviation to allow start of DX-cooling	2 °C	_____ °
Control function cooling	<input type="checkbox"/> 0-10 V <input type="checkbox"/> Step controller	<input type="checkbox"/> 0-10 V <input type="checkbox"/> Step controller
If step controller		
Type of step control	<input type="checkbox"/> Sequential <input type="checkbox"/> Binary	<input type="checkbox"/> Sequential <input type="checkbox"/> Binary
Number of steps	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
Freeze protection		
Type of freeze protection	<input type="checkbox"/> None <input checked="" type="checkbox"/> Temp. sensor <input type="checkbox"/> Guard	<input type="checkbox"/> None <input type="checkbox"/> Temp. sensor <input type="checkbox"/> Guard
Alarm limit when unit is running	7 °C	_____ °
P-band when unit is running	5 °C	_____ °
Set point when unit is stopped	20 °C	_____ °
HW pump control		
Pump running mode	<input checked="" type="checkbox"/> Auto <input type="checkbox"/> Always running	<input type="checkbox"/> Auto <input type="checkbox"/> Always running
Type of feedback	<input type="checkbox"/> None <input checked="" type="checkbox"/> Alarm <input type="checkbox"/> Run indication	<input type="checkbox"/> None <input type="checkbox"/> Alarm <input type="checkbox"/> Run indication
Pump stop delay	5 min	_____ min
Pump running when outdoor temp. is below:	10 °C	_____ °
Hysteresis to allow pump stop	1 °C	_____ °

3.3 Temperature (Zone control)

Function	Default setting	Set value
Zone control		
Zone control limitation	<input checked="" type="checkbox"/> None <input type="checkbox"/> Interlock heating/cooling	<input type="checkbox"/> None <input type="checkbox"/> Interlock heating/cooling
Temperature zone 1		
Temperature control type and set point	<input type="checkbox"/> Supply _____ °C <input type="checkbox"/> Extract _____ °C <input type="checkbox"/> Room _____ °C	<input type="checkbox"/> Supply _____ ° <input type="checkbox"/> Extract _____ ° <input type="checkbox"/> Room _____ °
Neutral zone	_____ °C	_____ °
If cascade control:		
Min supply air temp. limit	_____ °C	_____ °
Max supply air temp. limit	_____ °C	_____ °
Heating		
Type of heater	<input type="checkbox"/> None <input type="checkbox"/> Water <input type="checkbox"/> Electric	<input type="checkbox"/> None <input type="checkbox"/> Water <input type="checkbox"/> Electric
Type of feedback, heater	<input type="checkbox"/> None <input type="checkbox"/> Alarm <input type="checkbox"/> Run indication	<input type="checkbox"/> None <input type="checkbox"/> Alarm <input type="checkbox"/> Run indication
If water heater		
Pump control	<input type="checkbox"/> None <input type="checkbox"/> Auto <input type="checkbox"/> Always running	<input type="checkbox"/> None <input type="checkbox"/> Auto <input type="checkbox"/> Always running
Pump stop delay	5 min	_____ min
Pump running when outdoor temp. is below:	10 °C	_____ °
Hysteresis to allow pump stop	1 °C	_____ °
Freeze protection		
Freeze protection	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Alarm limit when unit is running	7 °C	_____ °
P-band when unit is running	5 °C	_____ °
Set point when unit is stopped	20 °C	_____ °

Function	Default setting	Set value
Cooling		
Type of cooler	<input type="checkbox"/> None <input type="checkbox"/> Water <input type="checkbox"/> DX	<input type="checkbox"/> None <input type="checkbox"/> Water <input type="checkbox"/> DX
Type of feedback, cooler	<input type="checkbox"/> None <input type="checkbox"/> Alarm <input type="checkbox"/> Run indication	<input type="checkbox"/> None <input type="checkbox"/> Alarm <input type="checkbox"/> Run indication
If water cooler		
Pump control	<input type="checkbox"/> None <input type="checkbox"/> Auto <input type="checkbox"/> Always running	<input type="checkbox"/> None <input type="checkbox"/> Auto <input type="checkbox"/> Always running
Pump stop delay	5 min	_____ min
If DX cooler		
Reduction of min limit supply air temp	5 °C	_____ °
Type of step control	<input type="checkbox"/> Sequential <input type="checkbox"/> Binary	<input type="checkbox"/> Sequential <input type="checkbox"/> Binary
Number of steps	<input type="checkbox"/> 1 <input type="checkbox"/> 2	<input type="checkbox"/> 1 <input type="checkbox"/> 2
Temperature Zone 2		
	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Temperature control type and set point	<input type="checkbox"/> Supply _____ °C <input type="checkbox"/> Extract _____ °C <input type="checkbox"/> Room _____ °C	<input type="checkbox"/> Supply _____ ° <input type="checkbox"/> Extract _____ ° <input type="checkbox"/> Room _____ °
Neutral zone	_____ °C	_____ °
If cascade control:		
Min supply air temp. limit	_____ °C	_____ °
Max supply air temp. limit	_____ °C	_____ °
Heating		
Type of heater	<input type="checkbox"/> None <input type="checkbox"/> Water <input type="checkbox"/> Electric	<input type="checkbox"/> None <input type="checkbox"/> Water <input type="checkbox"/> Electric
Type of feedback, heater	<input type="checkbox"/> None <input type="checkbox"/> Alarm <input type="checkbox"/> Run indication	<input type="checkbox"/> None <input type="checkbox"/> Alarm <input type="checkbox"/> Run indication
If water heater		
Pump control	<input type="checkbox"/> None <input type="checkbox"/> Auto <input type="checkbox"/> Always running	<input type="checkbox"/> None <input type="checkbox"/> Auto <input type="checkbox"/> Always running
Pump stop delay	5 min	_____ min
Pump running when outdoor temp. is below:	10 °C	_____ °
Hysteresis to allow pump stop	1 °C	_____ °

Function	Default setting	Set value
Freeze protection	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Alarm limit when unit is running	7 °C	_____ °
P-band when unit is running	5 °C	_____ °
Set point when unit is stopped	20 °C	_____ °
Cooling		
Type of cooler	<input type="checkbox"/> None <input type="checkbox"/> Water <input type="checkbox"/> DX	<input type="checkbox"/> None <input type="checkbox"/> Water <input type="checkbox"/> DX
Type of feedback, cooler	<input type="checkbox"/> None <input type="checkbox"/> Alarm <input type="checkbox"/> Run indication	<input type="checkbox"/> None <input type="checkbox"/> Alarm <input type="checkbox"/> Run indication
If water cooler		
Pump control	<input type="checkbox"/> None <input type="checkbox"/> Auto <input type="checkbox"/> Always running	<input type="checkbox"/> None <input type="checkbox"/> Auto <input type="checkbox"/> Always running
Pump stop delay	5 min	_____ min
If DX cooler		
Reduction of min limit supply air temp	5 °C	_____ °
Type of step control	<input type="checkbox"/> Sequential <input type="checkbox"/> Binary	<input type="checkbox"/> Sequential <input type="checkbox"/> Binary
Number of steps	<input type="checkbox"/> 1 <input type="checkbox"/> 2	<input type="checkbox"/> 1 <input type="checkbox"/> 2
Temperature Zone 3		
	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Temperature control type and set point	<input type="checkbox"/> Supply _____ °C <input type="checkbox"/> Extract _____ °C <input type="checkbox"/> Room _____ °C	<input type="checkbox"/> Supply _____ ° <input type="checkbox"/> Extract _____ ° <input type="checkbox"/> Room _____ °
Neutral zone	_____ °C	_____ °
If cascade control:		
Min supply air temp. limit	_____ °C	_____ °
Max supply air temp. limit	_____ °C	_____ °
Heating		
Type of heater	<input type="checkbox"/> None <input type="checkbox"/> Water <input type="checkbox"/> Electric	<input type="checkbox"/> None <input type="checkbox"/> Water <input type="checkbox"/> Electric
Type of feedback, heater	<input type="checkbox"/> None <input type="checkbox"/> Alarm <input type="checkbox"/> Run indication	<input type="checkbox"/> None <input type="checkbox"/> Alarm <input type="checkbox"/> Run indication

Function	Default setting	Set value
If water heater		
Pump control	<input type="checkbox"/> None <input type="checkbox"/> Auto <input type="checkbox"/> Always running	<input type="checkbox"/> None <input type="checkbox"/> Auto <input type="checkbox"/> Always running
Pump stop delay	5 min	_____ min
Pump running when outdoor temp. is below:	10 °C	_____ °
Hysteresis to allow pump stop	1 °C	_____ °
Freeze protection		
	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Alarm limit when unit is running	7 °C	_____ °
P-band when unit is running	5 °C	_____ °
Set point when unit is stopped	20 °C	_____ °
Cooling		
Type of cooler	<input type="checkbox"/> None <input type="checkbox"/> Water <input type="checkbox"/> DX	<input type="checkbox"/> None <input type="checkbox"/> Water <input type="checkbox"/> DX
Type of feedback, cooler	<input type="checkbox"/> None <input type="checkbox"/> Alarm <input type="checkbox"/> Run indication	<input type="checkbox"/> None <input type="checkbox"/> Alarm <input type="checkbox"/> Run indication
If water cooler		
Pump control	<input type="checkbox"/> None <input type="checkbox"/> Auto <input type="checkbox"/> Always running	<input type="checkbox"/> None <input type="checkbox"/> Auto <input type="checkbox"/> Always running
Pump stop delay	5 min	_____ min
If DX cooler		
Reduction of min limit supply air temp	5 °C	_____ °
Type of step control	<input type="checkbox"/> Sequential <input type="checkbox"/> Binary	<input type="checkbox"/> Sequential <input type="checkbox"/> Binary
Number of steps	<input type="checkbox"/> 1 <input type="checkbox"/> 2	<input type="checkbox"/> 1 <input type="checkbox"/> 2

3.4 General

Function	Default setting	Set value
General		
Extended operation stop delay	0 min	_____ min
Warm start when outdoor temp. is below:	3 °C	_____ °
CO₂ control	<input checked="" type="checkbox"/> No <input type="checkbox"/> Fan start/stop	<input type="checkbox"/> No <input type="checkbox"/> Fan start/stop
Supply air fan set point when CO ₂ control	<input type="checkbox"/> Low <input checked="" type="checkbox"/> Normal <input type="checkbox"/> High	<input type="checkbox"/> Low <input type="checkbox"/> Normal <input type="checkbox"/> High
Extract air fan set point when CO ₂ control	<input type="checkbox"/> Low <input checked="" type="checkbox"/> Normal <input type="checkbox"/> High	<input type="checkbox"/> Low <input type="checkbox"/> Normal <input type="checkbox"/> High
Start limit	800 ppm	_____ ppm
Stop hysteresis	160 ppm	_____ ppm
Min time for CO ₂ control	20 min	_____ min
Free cooling	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Running when day outdoor temp. is above:	22 °C	_____ °
Stop when night outdoor temp. is above:	18 °C	_____ °
Stop when night outdoor temp. is below:	10 °C	_____ °
Stop when room temp. is below:	18 °C	_____ °
Free cooling start/stop hour	Start: 00:00 Stop: 07:00	Start: _____ Stop: _____
Time to block heat output after free cooling:	60 min	_____ min
Offset from normal speed when free cooling:	SAF: 0 EAF: 0	SAF: _____ EAF: _____

Function	Default setting	Set value
Support control	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Start heating room temperature	15 °C	_____ °
Stop heating room temperature	21 °C	_____ °
Start cooling room temperature	30 °C	_____ °
Stop cooling room temperature	28 °C	_____ °
Preheater	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Start/Stop function	<input checked="" type="checkbox"/> Unit running <input type="checkbox"/> When defrosting	<input type="checkbox"/> Unit running <input type="checkbox"/> When defrosting
Preheater setpoint:	-15 °C	_____ °
Exchanger defrosting mode (only applied for SC, TC units without section defrosting)	<input checked="" type="checkbox"/> Pressure monitoring	<input type="checkbox"/> Pressure monitoring
Bypass	<input checked="" type="checkbox"/> On <input type="checkbox"/> Off	<input type="checkbox"/> On <input type="checkbox"/> Off
Stop defrosting	<input checked="" type="checkbox"/> On <input type="checkbox"/> Off	<input type="checkbox"/> On <input type="checkbox"/> Off
Outdoor temp. to allow defrosting	18 °C	_____ °
Outdoor temp. for stop of supply air fan	18 °C	_____ °
Max deviation exchanger pressure to start defrosting	50%	_____ %
Pressure hysteresis to end defrosting	60%	_____ %
Exchanger defrosting mode (only applied for SC, TC units with section defrosting)	<input checked="" type="checkbox"/> Section defrosting	<input type="checkbox"/> Section defrosting
Allow fan stop defrosting if exchanger pressure > max limit	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Max allowed deviation exchanger pressure when defrosting	150%	_____ %
Max deviation exchanger pressure to start defrosting	25%	_____ %
Pressure hysteresis to end defrosting	60%	_____ %
Setpoint temperature min limit	4 °C	_____ °
Temperature hysteresis to end defrosting	4 °C	_____ °
Calibration extract air flow	_____	_____
Calibration exchanger pressure	_____	_____

Function	Default setting	Set value
Fire function		
Operation mode when fire alarm	<input checked="" type="checkbox"/> Stopped <input type="checkbox"/> Continuous run <input type="checkbox"/> Only supply air fan <input type="checkbox"/> Only extract air fan <input type="checkbox"/> Running via normal start/stop conditions	<input type="checkbox"/> Stopped <input type="checkbox"/> Continuous run <input type="checkbox"/> Only supply air fan <input type="checkbox"/> Only extract air fan <input type="checkbox"/> Running via normal start/stop conditions
Supply air fan setpoint type	<input type="checkbox"/> Auto <input type="checkbox"/> Low <input type="checkbox"/> Normal <input type="checkbox"/> High <input type="checkbox"/> Manual output _____ % <input type="checkbox"/> Manual setpoint _____	<input type="checkbox"/> Auto <input type="checkbox"/> Low <input type="checkbox"/> Normal <input type="checkbox"/> High <input type="checkbox"/> Manual output _____ % <input type="checkbox"/> Manual setpoint _____
Extract air fan setpoint type	<input type="checkbox"/> Auto <input type="checkbox"/> Low <input type="checkbox"/> Normal <input type="checkbox"/> High <input type="checkbox"/> Manual output _____ % <input type="checkbox"/> Manual setpoint _____	<input type="checkbox"/> Auto <input type="checkbox"/> Low <input type="checkbox"/> Normal <input type="checkbox"/> High <input type="checkbox"/> Manual output _____ % <input type="checkbox"/> Manual setpoint _____
Outdoor air damper function	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Open <input type="checkbox"/> Closed	<input type="checkbox"/> Normal <input type="checkbox"/> Open <input type="checkbox"/> Closed
Exhaust air damper function	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Open <input type="checkbox"/> Closed	<input type="checkbox"/> Normal <input type="checkbox"/> Open <input type="checkbox"/> Closed

4 Setting the weekly program

Factory setting of the normal and low fan speed are:

- High fan speed 00:00 to 00:00 Monday to Sunday.
- Normal fan speed 07:00 to 16:00 Monday to Sunday.
- Low fan speed 00:00 to 24:00 Monday to Sunday.
- Settings of 00:00 to 00:00 stops the unit. E.g. changing low fan speed setting from 00:00-24:00 to 00:00-00:00 will stop the unit outside the time of normal fan speed.



Note:

High fan speed has priority over normal fan speed which has priority over low fan speed.

Weekday	Period	Low fan speed	Normal fan speed	High fan speed
Monday	1	–	–	–
	2	–	–	–
Tuesday	1	–	–	–
	2	–	–	–
Wednesday	1	–	–	–
	2	–	–	–
Thursday	1	–	–	–
	2	–	–	–
Friday	1	–	–	–
	2	–	–	–
Saturday	1	–	–	–
	2	–	–	–
Sunday	1	–	–	–
	2	–	–	–

Holiday (month. day)	Holiday (month. day)	Holiday (month. day)
1. –	9. –	17. –
2. –	10. –	18. –
3. –	11. –	19. –
4. –	12. –	20. –
5. –	13. –	21. –
6. –	14. –	22. –
7. –	15. –	23. –
8. –	16. –	24. –

5 I/O Allocation

Note any changes from the factory default input and output allocation configuration. Fill in any related information in the comment field. E.g. a pressure sensors measuring range, a contact's polarity or similar.



Note:

Make notes of any additional connected accessories or external signals in the air handling unit's wiring diagram!

Digital outputs	Function	Comment
D01		
D02		
D03		
D04		
D05		
D06		
Analog outputs	Function	Comment
A01		
A02		
A03		
A04		
Digital inputs	Function	Comment
DI1		
DI2		
DI3		
DI4		
DI5		
DI6		
DI7		
DI8		
DI9		
Analog inputs	Function	Comment
AI4		
AI5		
AI6		

Universal inputs	Function	Comment
UI1		
UI2		
UI3		
UI4		

6 Alarm configuration

Alarm no.	Name	Class	Action	Delay	Limit
1	Malfunction supply air fan 1	A	Normal stop	300s	
6	Malfunction extract air fan 1	A	Normal stop	300s	
11	Alarm supply air fan 1	A	Normal stop	5s	
16	Alarm extract air fan 1	A	Normal stop	5s	
21	Warning supply air fan 1	C	No action	5s	
26	Warning extract air fan 1	C	No action	5s	
38	Malfunction fire damper	A	Normal stop	90s	
42	Testing fire damper	C	No action	1s	
43	Malfunction heating (SEQ-A)	B	No action	5s (EL: 60s)	
44	Malfunction exchanger (SEQ-B)	B	No action	5s	
45	Malfunction cooling (SEQ-C)	B	No action	5s	
46	Malfunction recirculation 1 (SEQ-D)	B	No action	5s	
47	Malfunction recirculation 2 (SEQ-E)	B	No action	5s	
48	Malfunction fan setpoint comp (SEQ-F)	B	No action	5s	
49	Malfunction heating 2 (SEQ-G)	B	No action	5s	
50	Malfunction cooling 2 (SEQ-H)	B	No action	5s	
51	Malfunction exchanger extract (SEQ-I)	B	No action	5s	
52	Malfunction external heating/cooling (SEQ-J)	B	No action	5s	

Alarm no.	Name	Class	Action	Delay	Limit
53	Filter alarm supply air	B	No action	300s	
54	Filter alarm extract air	B	No action	300s	
55	Alarm low air flow	A	Normal stop	30s	
56	Freeze protection guard	A	Fast stop	1s	
58	Fire alarm	A	Fast stop	1s	
59	Smoke alarm	A	Fast stop	1s	
60	External stop	C	Normal stop	1s	
61	External alarm	B	No action	1s	
62	Service stop	C	Normal stop	1s	
63	Electric heater is overheated	A	Normal stop	1s	
65	Low efficiency exchanger	B	No action	30m	50%
66	Defrosting alarm	A	Normal stop	1s	
67	Rotary exchanger alarm	B	No action	30s	
68	Extra alarm 1	B	No action	5s	
69	Extra alarm 2	B	No action	5s	
70	Extra alarm 3	B	No action	5s	
71	Extra alarm 4	B	No action	5s	
72	Extra alarm 5	B	No action	5s	
73	Extra alarm 6	B	No action	5s	

Alarm no.	Name	Class	Action	Delay	Limit
74	Extra alarm 7	B	No action	5s	
75	Extra alarm 8	B	No action	5s	
76	Extra alarm 9	B	No action	5s	
77	Extra alarm 10	B	No action	5s	
78	Internal battery error	B	No action	5s	
79	Alarm service interval	C	No action	1s	
80	Restart blocked after power on	C	Fast stop	0s	
81	Deviation alarm supply air temperature	-	No action	4m	5°C
82	Deviation alarm supply air fan	-	No action	4m	500
83	Deviation alarm extract air fan	-	No action	4m	500
84	Deviation alarm humidity control	-	No action	30m	10%
85	Deviation alarm extra controller	-	No action	30m	10°C
86	High supply air temperature	A	Normal stop	300s	35°C
87	Low supply air temperature	A	Normal stop	300s	10°C
88	Supply air temperature max limit	-	No action	300s	
89	Supply air temperature min limit	-	No action	300s	
90	High room temperature	-	No action	30m	30°C
91	Low room temperature	-	No action	30m	10°C
92	High extract air temperature	-	No action	30m	30°C

Alarm no.	Name	Class	Action	Delay	Limit
93	Low extract air temperature	-	No action	30m	10°C
94	High outdoor air temperature	-	No action	30m	40°C
95	Low outdoor air temperature	-	No action	30m	-30°C
96	Freeze protection alarm 1	A	Fast stop	1s	
99	High temperature extra sensor 1	-	No action	30m	30°C
100	Low temperature extra sensor 1	-	No action	30m	10°C
101	High temperature extra sensor 2	-	No action	30m	30°C
102	Low temperature extra sensor 2	-	No action	30m	10°C
103	High temperature extra sensor 3	-	No action	30m	30°C
104	Low temperature extra sensor 3	-	No action	30m	10°C
105	High temperature extra sensor 4	-	No action	30m	30°C
106	Low temperature extra sensor 4	-	No action	30m	10°C
107	High temperature extra sensor 5	-	No action	30m	30°C
108	Low temperature extra sensor 5	-	No action	30m	10°C
109	High temperature selected sensor 1	-	No action	0m	0°C
110	Low temperature selected sensor 1	-	No action	0m	0°C
111	High temperature selected sensor 2	-	No action	0m	0°C
112	Low temperature selected sensor 2	-	No action	0m	0°C
144	Sensor error outdoor air temperature	B	No action	5s	

Alarm no.	Name	Class	Action	Delay	Limit
145	Sensor error intake air temperature	B	No action	5s	
146	Sensor error supply air temperature	B	No action	5s	
147	Sensor error exhaust air temperature	B	No action	5s	
148	Sensor error extract air temperature	B	No action	5s	
149	Sensor error room temperature 1	B	No action	5s	
150	Sensor error room temperature 2	B	No action	5s	
151	Sensor error room temperature 3	B	No action	5s	
152	Sensor error room temperature 4	B	No action	5s	
153	Sensor error pressure supply air	B	No action	5s	
154	Sensor error pressure extract air	B	No action	5s	
155	Sensor error flow supply air	B	No action	5s	
156	Sensor error flow extract air	B	No action	5s	
157	Sensor error flow exchanger supply air	B	No action	5s	
158	Sensor error pressure exchanger extract air	B	No action	5s	
159	Sensor error defrosting temperature	B	No action	5s	
160	Sensor error freeze protection temperature 1	A	Fast stop	1s	
163	Sensor error CO2 room/extract air	B	No action	5s	
164	Sensor error humidity room/extract air	B	No action	5s	
165	Sensor error humidity supply air	B	No action	5s	

Alarm no.	Name	Class	Action	Delay	Limit
166	Sensor error humidity outdoor	B	No action	5s	
167	Sensor error extra controller	B	No action	5s	
168	Signal error external control supply air fan	B	No action	5s	
169	Signal error external control extract air fan	B	No action	5s	
170	Sensor error extra sensor 1	B	No action	5s	
171	Sensor error extra sensor 2	B	No action	5s	
172	Sensor error extra sensor 3	B	No action	5s	
173	Sensor error extra sensor 4	B	No action	5s	
174	Sensor error extra sensor 5	B	No action	5s	
175	Sensor error external temperature setpoint	B	No action	5s	
176	Signal error external flow setpoint	B	No action	5s	
177	Sensor error pressure filter supply air	B	No action	5s	
178	Sensor error pressure filter-extract air	B	No action	5s	
179	Sensor error efficiency temperature exchanger	B	No action	5s	
180	Communication fault device	C	No action	1s	
181	Malfunction extra controller	B	No action	5s	
182	Internal error	A	Fast stop	1s	
183	Service alarm smoke detector	B	No action	120s	
184	Sensor error smoke detector	A	Normal stop	5s	

Alarm no.	Name	Class	Action	Delay	Limit
185	Malfunction preheater	B	No action	5s	
186	Communication fault BMS master	C	No action	1s	
187	Leakage heater valve	B	No action	5m	
188	Sensor error preheater temperature	B	No action	5s	
207	Malfunction heating zone 1	B	No action	5s	
208	Malfunction heating zone 2	B	No action	5s	
209	Malfunction heating zone 3	B	No action	5s	
210	Malfunction cooling zone 1	B	No action	5s	
211	Malfunction cooling zone 2	B	No action	5s	
212	Malfunction cooling zone 3	B	No action	5s	
213	Deviation alarm supply temp zone 1	B	No action	30min	10°C
214	Deviation alarm supply temp zone 2	B	No action	30min	10°C
215	Deviation alarm supply temp zone 3	B	No action	30min	10°C
216	Freeze protection alarm zone 1	A	Fast stop	1s	
217	Freeze protection alarm zone 2	A	Fast stop	1s	
218	Freeze protection alarm zone 3	A	Fast stop	1s	
219	Electric heater is overheated zone 1	A	Normal stop	1s	
220	Electric heater is overheated zone 2	A	Normal stop	1s	
221	Electric heater is overheated zone 3	A	Normal stop	1s	

Alarm no.	Name	Class	Action	Delay	Limit
222	Sensor error supply air temp zone 1	B	No action	5s	
223	Sensor error supply air temp zone 2	B	No action	5s	
224	Sensor error supply air temp zone 3	B	No action	5s	
225	Sensor error room temp zone 1	B	No action	5s	
226	Sensor error room temp zone 2	B	No action	5s	
227	Sensor error room temp zone 3	B	No action	5s	
228	Sensor error extract temp zone 1	B	No action	5s	
229	Sensor error extract temp zone 2	B	No action	5s	
230	Sensor error extract temp zone 3	B	No action	5s	
231	Sensor error freeze protection zone 1	A	Fast stop	1s	
232	Sensor error freeze protection zone 2	A	Fast stop	1s	
233	Sensor error freeze protection zone 3	A	Fast stop	1s	
237	Device warning	C	No action	5s	
238	Device alarm	B	No action	5s	



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