



Conventions:

Readings are within parenthesis (23.5°C)
 but in this document both settings and readings are within parenthesis.
 Readings are, in this document, marked dark blue.
 Go to underlying menu(es), arrow ->

- 1. Readings**
- 1. Overview climate ->
 - 2. Overview heating ->
 - 3. Overview ventilation ->
 - 4. Overview screens ->
 - 5. Overview CO2 ->
 - 6. Overview suppl. light ->
 - 7. Overview humidity control->
 - 8. Overview irrigation ->
 - 9. Average readings ->
 - 10. Compartment registrations->
 - 11. Weather station readings->

- 1.1. Overview climate**
- 1. Airtemp (-99 °C)
 - 2. Humidity RH% (479.7 RH%)
 - 3. Humidity DX (-99 g/kg)
 - 4. Humidity VPD (-99 mbar)
 - 5. CO2 concentration (-750.3ppm)
 - 6. Light intensity (0 klx)
 - 7. Soil temperature (-99°C)

- 1.2. Overview heating**
- 1. Heat regulator ->
 - 2. Valve 1 ->
 - 3. Valve 2 ->

- 1.2.1 Heat regulator**
- 1. Airtemp (-99°C)
 - 2. Heat demand (18°C)
 - 3. Heat regulator demand (18°C)

- 1.2.2. Valve 1**
- 1. Flow temp. (-99°C)
 - 2. Flow temp. demand (18°C)
 - 3. Min. flow temp. (10°C)
 - 4. Max. inlet temperature (100°C)

- 1.2.3. Valve 2**
- 1. Flow temp. (-99°C)
 - 2. Flow temp. demand (18°C)
 - 3. Min. flow temp. (10°C)
 - 4. Max. inlet temperature (100°C)

- 1.3. Overview ventilation**
- 1. Lee ->
 - 2. Wind ->
 - 3. Airtemp. (-99°C)
 - 4. Ventilation temperature demand (20°C)

- 1.3.1. Lee**
- 1. Position demand (24.8%)
 - 2. Minimum demand (0%)
 - 3. Maximum demand (95%)

- 1.3.2. Wind**
- 1. Position demand (0%)
 - 2. Minimum demand (0%)
 - 3. Maximum demand (95%)

- 1.4. Overview screens**
- 1. Screen 1 ->
 - 2. Screen 2 ->

1.4.1. Screen 1	
1. Position	(0%)
2. Position demand	(100%)
3. High radiation	(Yes)
4. High temp.	(No)
5. Low temp	(Yes)
6. Low outdoor temp.	(No)
7. Low light level	(No)
8. Low screen temp.	(Yes)
9. High night temp. outdoor	(No)
10. Night/day	(Day)
11. Snow	(No)

1.4.2. Screen 2	
1. Position	(0%)
2. Position demand	(100%)
3. High radiation	(Yes)
4. High temp.	(No)
5. Low temp	(Yes)
6. Low outdoor temp.	(No)
7. Low light level	(No)
8. Low screen temp.	(Yes)
9. High night temp. outdoor	(No)
10. Night/day	(Day)
11. Snow	(No)

1.5. Overview CO2	
1. CO2 concentration	(-750.4ppm)
2. CO2 concentration demand	(300ppm)
3. CO2 dosing active	(No)
4. CO2 dosing time	(00:01:45)
5. CO2 consumption per hour	(0.7 kg/m2)

1.6. Overview suppl. light	
1. Light intensity corr. supp. light	(0 klx)
2. Light intensity corr.	(0 klx)
3. Suppl. light	(Off)

1.8. Overview irrigation	
1. Overview sprinkling	->
2. Overview irrigation	->

1.8.1. Overview sprinkling	
1. Auto period	(Off)
2. Sprinkling active	(No)
3. Valve number	(0)
4. Intervaltime	(24:00:00)

1.8.2. Overview irrigation	
1. Valve number	(0)
2. Elapsed irrigation time	(00:00:00)
3. Valve interval time	(00:00:00)
4. Manual irrigation round	(0)
5. Remaining irrigations solar integrator	(0 Wh)
6. Acc. Sun since last start	(0 Wh)
7. External start active	(No)
8. Time for last start	(1970-01-01-00:00:00)
9. Irrigations completed today	(0)
10. Irrigations completed totally	(0)
11. Check status	(Ready)

1.9. Average readings	
1. Average 24 hour	->
2. Average day	->
3. Average night	->

1.9.1. Average 24 hour	
1. Airtemp.	(97.6°C)
2. Humidity	(78.9)
3. CO2 concentration	(340.1ppm)

1.9.2. Average day	
1. Airtemp.	(-99°C)
2. Humidity	(479.2)
3. CO2 concentration	(-750.1ppm)

1.9.3. Average night	
1. Airtemp.	(-0.1°C)
2. Humidity	(0)
3. CO2 concentration	(-1.0ppm)

1.10 Compartment registrations	
1. CO2 used	(0 kg/m2)
2. CO2 active time	(00:00:00)
3. Light energy used	(0)
4. Light sum 24 hour	(2.2 klxh)
5. Light sum total	(2.2 klxh)
6. Light step 1 active time.	(0h)

1.11 Weather station readings

1. Outdoor temp. (0°C)
2. Light intensity (0 klx)
3. Sun intensity (0 W/m2)
4. Outdoor humidity (0 %)
5. Wind speed (0 m/s)
6. Wind direction (0 °)
7. Rain (No)
8. Snow (No)
9. Sun up (05:51:27)
10. Sun down (17:58:40)

2. Temperature

1. Common heat temp. ->
2. Average temp. control ->
3. Light sun night add. ->
4. Common ventilation temp. ->
5. Heat temp. zone 1 ->
6. Heat temp. zone 2 ->
7. Heat temp. zone ->
8. Prim. heat valve controller 1 ->
9. Secondary heat valve 1 ->
10. Prim. Heat valve controller 2 ->
11. Heat step ->
12. Heat step at max. humidity ->

2.1. Common heat temp.

1. Basis heat temp. (18°C)
2. Increase temp. by high humidity (0°C)
3. Time zones at suppl. Light (night) (1)
4. Time zone add. - zone ->
5. Light levels and ramps ->
6. Light dependent (-5.8°C)
7. Heat demand (18°C)
8. Active tz (1)

2.1.4. Time zone add. - zone

1. Fixed addition ->
2. Light dependent addition ->

2.1.4.1. Fixed addition

1. Zone 1 (0)°C
2. Zone 2 (0)°C
3. Zone 3 (0)°C
4. Zone 4 (0)°C
5. Zone 5 (0)°C
6. Zone 6 (0)°C

2.1.4.2. Light dependent addition

1. Zone 1 (0)°C
2. Zone 2 (0)°C
3. Zone 3 (0)°C
4. Zone 4 (0)°C
5. Zone 5 (0)°C
6. Zone 6 (0)°C

2.1.5. Light levels and ramps

1. Start ->
2. Full ->
3. TZ ramp ->
4. Ramp for increase light addition (6°C/h)
5. Ramp for decrease light addition (1.5°C/h)

2.1.5.1. Start

1. Zone 1 (0klx)
2. Zone 2 (0klx)
3. Zone 3 (0klx)
4. Zone 4 (0klx)
5. Zone 5 (0klx)
6. Zone 6 (0klx)

2.1.5.2. Full

1. Zone 1 (30klx)
2. Zone 2 (30klx)
3. Zone 3 (30klx)
4. Zone 4 (30klx)
5. Zone 5 (30klx)
6. Zone 6 (30klx)

2.1.5.3. TZ ramp

1. Zone 1 (1°C/h)
2. Zone 2 (1°C/h)
3. Zone 3 (1°C/h)
4. Zone 4 (1°C/h)
5. Zone 5 (1°C/h)
6. Zone 6 (1°C/h)

2.2. Average temp. control	
1. Average temp control active (No)	
2. Average temperature demand: (20°C)	
3. Average time (72:00:00)	
4. Recovery time (24:00:00)	
5. TZ recover temp. limit ->	
6. Recovery-temp. (0°C)	
7. Average temperature (23.5°C)	
8. Active TZ (1)	

2.2.5.TZ recover temp. limit	
1. Maximum ->	
2. Minimum ->	

2.2.5.1.Maximum	
1. Zone 1 (2°C)	
2. Zone 2 (2°C)	
3. Zone 3 (2°C)	
4. Zone 4 (2°C)	
5. Zone 5 (2°C)	
6. Zone 6 (2°C)	

2.2.5.2.Minimum	
1. Zone 1 (-2°C)	
2. Zone 2 (-2°C)	
3. Zone 3 (-2°C)	
4. Zone 4 (-2°C)	
5. Zone 5 (-2°C)	
6. Zone 6 (-2°C)	

2.3 Light sum night add.	
1. Light sum add. time zone 5 (0°C)	
2. Light sum add. time zone 6 (0°C)	
3. Light sum start add. (0 klxh)	
4. Light sum full add. (1000klxh)	
5. Light sum (0 klxh)	
6. Light sum add. (-5.8°C)	
7. TZ (1)	

2.4. Common ventilation temp.	
1. Common ventilation setup (Relative/Absolute)	
2. Dist. to heat temp. Demand (2°C) /Ventilation temp. basis (25°C)	
3. Time zone add. - zone ->	
4. Temp. add. at low humidity RH% ->	
5. CO2 dependent temp. addition ->	
6. CO2 dependent temp. addition (0°C)	
7. Light dependent (-5.8°C)	
8. Vent demand (20°C)	
9. Active TZ (1)	

2.4.3.Time zone add. - zone	
1. Fixed addition ->	
2. Light dependent addition ->	

2.4.3.1.Fixed addition	
1. Zone 1 (0)°C	
2. Zone 2 (0)°C	
3. Zone 3 (0)°C	
4. Zone 4 (0)°C	
5. Zone 5 (0)°C	
6. Zone 6 (0)°C	

2.4.3.2.Light dependent addition	
1. Zone 1 (0)°C	
2. Zone 2 (0)°C	
3. Zone 3 (0)°C	
4. Zone 4 (0)°C	
5. Zone 5 (0)°C	
6. Zone 6 (0)°C	

2.4.4.Temp. add. at low humidity RH%	
1. Time zone add. - zone ->	
2. P-band for full raising (10RH%)	
3. Temp. raise at ventilation reduction (3°C)	
4. P-band ignore at ventilation reduction (2°C)	

2.4.5.CO2 dependent temp. addition	
1. CO2 dependent temp. addition (0°C)	
2. CO2 concentration start extra (300ppm)	
3. CO2 concentration full extra (1200ppm)	

2.5 Heat temp. zone 1	
1. Temp. set point selector (Common/Local)	
2. Temp. distance to common demand: (0°C) /Temp day (18°C)	
3. Ramp for increasing temp. demand (0°C/h) /Temp night (18°C)	
4. Ramp decreasing temp. demand (0°C/h) /Ramp for increasing temp. demand (0°C)	
5. Increase temp. by hight humidity (0°C) /Ramp decreasing temp. demand (0°C)	
6. /Light dependent temp. add. (0°C)	
7. Increase temp. by hight humidity (0°C)	

2.6. Heat temp. zone 2

1. Temp. set point selector (Common/Local)
2. Temp. distance to common demand: (0°C) /Temp day (18°C)
3. Ramp for increasing temp. demand (0°C/h) /Temp night (18°C)
4. Ramp decreasing temp. demand (0°C/h) /Ramp for increasing temp. demand (0°C)
5. Increase temp. by hight humidity (0°C) /Ramp decreasing temp. demand (0°C)
6. /Light dependent temp. add. (0°C)
7. Increase temp. by hight humidity (0°C)

2.7. Heat temp. zone

1. Heat valve 1 (Close/Aut./Open/Stop)
2. Heat valve 2 (Close/Aut./Open/Stop)

2.8. Prim. heat valve controller 1

1. Min. flow temp. day (10°C)
2. Min. flow temp. night (10°C)
3. Min flow temp. by max. humidity (10°C)
4. Min. flow temp. by ass. light ((10°C)
5. Min flow temp. by heat dump (0°C)
6. Reduce min. flow temp. light dependent (0°C)
7. Max. inlet temperature (100°C)
8. Prim. demand start parallel (100°C)
9. Secondary demand for start parallel (200°C)
10. Prim. demand start secondary (200°C)
11. Min. temp (10°C)
12. Flow temp. (24.1°C)

2.9. Secondary heat valve controller 1

1. Min. flow temp. day (10°C)
2. Min. flow temp. night (10°C)
3. Min flow temp. by max. humidity (10°C)
4. Reduce min. flow temp. light dependent (0°C)
5. Max. inlet temperature (100°C)
6. Min. temp (10°C)
7. Flow temp. (-99°C)

2.10. Prim. heat valve controller 2

1. Min. flow temp. day (10°C)
2. Min. flow temp. night (10°C)
3. Min flow temp. by max. humidity (10°C)
4. Reduce min. flow temp. light dependent (0°C)
5. Max. inlet temperature (100°C)
6. Prim. demand start parallel (100°C)
7. Secondary demand for start parallel (200°C)
8. Prim. demand start secondary (200°C)
9. Min. temp (10°C)
10. Flow temp. (24.1°C)

2.11. Heat step

1. Dist. heat demand step 1 (-1°C)
2. Dist. heat demand step 2 (-2°C)
3. Free heatstep (0,5°C)
4. Heat step 1 (Off)
5. Heat step 2 (Off)

2.12. Heat step at max. humidity

1. Step 1 active at max. humidity (No)
2. Step 2 active at max. humidity (No)

3. Ventilation

1. Ventilation setup ->
2. Ventilation limitations ->
3. Ventilation speciel ->
4. Ventilations-step ->

3.1. Ventilation setup

1. Function selector window 1 (Close/Aut./Open/Stop)
2. Function selector window 2 (Close/Aut./Open/Stop)
3. Leeselection (Aut/1/2)
4. Outdoor temp. frost protection (-5°C)
5. Wind speed for gale (10 m/s)
6. Wind speed for storm (15 m/s)

3.2 Ventilation limitations

1. Min. lee normal (0%)
2. Min. lee high humidity (20%)
3. Min. lee storm (5%)
4. Max. lee normal (95%)
5. Max. lee rain (50%)
6. Max. lee at gale (30%)
7. Min. windside normal (0%)
8. Min. windside high RH (0%)
10. Max windside rain (50%)
11. Max windside gale (0%)

- 3.3. Ventilation special**
1. Max. lee low humidity (95%)
 2. Max. windside low humidity (95%)
 3. Max. outdoor cooling (50%)
 4. Lowest reduc. factor for max. (0.1)
 5. Lowest reduc. factor for min. (0.1)
 6. Lee position for start parallel (100%)
 7. Wind vary pos. for stop parallel (0%)

- 3.4. Ventilations-step**
1. Ventilation step at max. humidity ->
 2. Dist. heat demand step 1 (2°C)
 3. Dist. heat demand step 2 (3°C)
 4. Free ventstep. (0.5°C)
 5. Ventilation demand for stop (5%)
 6. Ventilation step 1 (On)
 7. Ventilation step 2 (On)

- 3.4.1. Ventilation step at max. humidity**
1. Step 1 active at max. humidity (No)
 2. Step 2 active at max. humidity (No)
 3. Distance heat demand for stop (-3°C)

- 4. Screens**
1. Screens day/night ->
 2. Screen 1 ->
 3. Screen 2 ->

- 4.1. Screens day/night**
1. Function selector (Time/Sun up-down/Light + sun/Heat reg./Night/Day)
 2. Sun up/down active (No)
 3. Time dawn (06:00:00)/Dawn relative to sunrise (00:00:00)
 4. Time dusk (18:00:00)/Dusk relative to sunset (00:00:00)
 5. Light intensity dawn (0.3 klx)
 6. Light intensity dusk (0.3 klx)
 7. Add. light intensity at suppl. light (0 klx)
 8. Max. energy level day night (30 W/m2)

- 4.2. Screen 1**
1. Function selector (Off/Aut./On/Stop)
 2. Radiation for screen on (500W/m2)
 3. Temp. above heat demand for on (5°C)
 4. Temp. below heat demand for on (-5°C)
 5. Outdoor temp. for screen on (-10°C)
 6. Outdoor temp. for screen off (50°C)
 7. Temp. relative for heat demand for limitation (5°C)
 8. Ventilation for limitation (100%)
 9. Light intensity for on additional light. (0.3klx)
 10. Outdoor temp. for step opening (5°C)
 11. Pos. for stop step opening (75%)
 12. Screen 1 limitation ->

- 4.2.12. Screen 1 limitation** ←
1. Max. pos. ventilation (100%)
 2. Max. pos. high temp. (100%)
 3. Max. pos. high humidity (100%)
 4. Max. pos. day (100%)
 5. Max. pos. night (100%)
 6. Max. pos. snow (100%)

- 4.3. Screen 2**
1. Function selector (Off/Aut./On/Stop)
 2. Radiation for screen on (500W/m2)
 3. Temp. above heat demand for on (5°C)
 4. Temp. below heat demand for on (-5°C)
 5. Outdoor temp. for screen on (-10°C)
 6. Outdoor temp. for screen off (50°C)
 7. Temp. relative for heat demand for limitation (5°C)
 8. Ventilation for limitation (100%)
 9. Light intensity for on additional light. (0.3klx)
 10. Outdoor temp. for step opening (5°C)
 11. Pos. for stop step opening (75%)
 12. Screen 2 limitation ->

- 4.3.12. Screen 2 limitation** ←
1. Max. pos. ventilation (100%)
 2. Max. pos. high temp. (100%)
 3. Max. pos. high humidity (100%)
 4. Max. pos. day (100%)
 5. Max. pos. night (100%)
 6. Max. pos. snow (100%)

- 5. CO2 + light**
1. CO2 control ->
 2. Suppl. light ->

- 5.1. CO2 control**
1. Function selector (Off)
 2. CO2 concentration - basis (0ppm)
 3. Time zone add. - zone ->
 4. Min. conc. suppl. light (600ppm)
 5. Max. con. at vent. (300ppm)
 6. Vent.demand for reduction CO2 (5%)

- 5.1.3. Time zone add. - zone**
1. Fixed addition ->
 2. Light dependent addition ->

- 5.1.3.1. Fixed addition**
1. Zone 1 (600ppm)
 2. Zone 2 (600ppm)
 3. Zone 3 (600ppm)
 4. Zone 4 (600ppm)
 5. Zone 5 (0ppm)
 6. Zone 6 (0ppm)

- 5.1.3.2. Light dependent addition**
1. Zone 1 (0ppm)
 2. Zone 2 (0ppm)
 3. Zone 3 (0ppm)
 4. Zone 4 (0ppm)
 5. Zone 5 (0ppm)
 6. Zone 6 (0ppm)

- 5.2. Suppl. light**
1. Function selector (Off/Abs./Rel/On)
 2. Function periode 2 (Off/Aut.) /Start time 1 (18:00:00)/Start 1 relative to sunrise (00:00:00)
 3. Start time 2 (00:00:00) /Stop time 1 (23:59:00)/Stop 1 relative to sundown (00:00:00)
 4. Stop time 2 (00:00:00) /Function periode 2 (Off/Aut.) /Function periode 2 (Off/Aut.)
 5. Light intensity start - stop (5klx) /Start time 2 (00:00:00)/Start time 2 (00:00:00)
 6. Light sum stop periode 1. (500) /Stop time 2 (00:00:00)/Stop time 2 (00:00:00)
 7. Light sum start time. (00:00:00) /Light intensity start - stop (5 klx)/Light intensity start - stop (5 klx)
 8. Max. light intens. for light sum (200klx) /Light sum stop periode 1. (500)/Light sum stop periode 1. (500)
 9. Light sum start time (00:00:00) /Light sum start time (00:00:00)
 10. Max light intens. for light sum (200klx) /Max light intens. for light sum (200klx)

- 6. Humidity**
1. Max. humidity settings ->
 2. P-band temperature + lee + screen ->
 3. Botrytis reduction ->

- 6.1. Max. humidity settings**
1. Function selector (On/Off)
 2. Max. humidity basis (80%RH)/Min.delta X basis (2g/kg)
 3. Time zone add. max. humidity ->/Time zone add. min. DX ->
 4. Dist. for fan start (-5RH%)/(1g/kg)
 5. Dist. vent. temp. fan start (-2°C)
 6. Ventilation demand for stop fan (10%)

- 6.1.3. Time zone add. max. humidity /Time zone add. min. DX**
1. Zone 1 (0RH%) / (0g/kg)
 2. Zone 2 (0RH%) / (0g/kg)
 3. Zone 3 (0RH%) / (0g/kg)
 4. Zone 4 (0RH%) / (0g/kg)
 5. Zone 5 (0RH%) / (0g/kg)
 6. Zone 6 (0RH%) / (0g/kg)

- 6.2. P-band temperature + lee + screen ->**
1. Dist. for raising flow temp. (-5RH%)/(1g/kg)
 2. P-band for raising inlet temperature (5RH%)/(1g/kg)
 3. Dist. for raising air temp. (-5RH%)/(1g/kg)
 4. P-band for raising air temperature (5RH%)/(1g/kg)
 5. Dist for raising minimum leeside (0RH%)/(1g/kg)
 6. P-band for raising minimum lee (5RH%)/(1g/kg)
 7. Dist. for limit screen pos. (-5RH%)/(1g/kg)
 8. P-band for limitation screen position (5RH%)/(1g/kg)

- 6.3. Botrytis reduction**
1. Delay of max. humidity (No/Yes)
 2. Band for delay max. humidity (5RH%) /(-1g/kg)
 3. Distance for drying-up (0RH%) / (0g/kg)
 4. Manual extra (0RH%) / (0g/kg)
 5. Start-delay max. humidity (00:00:00)
 6. Stop-delay max. humidity (00:00:00)

- 7. Irrigation**
1. Irrigation ->
 2. Sprinkling ->

7.1. Irrigation	
1. Basic settings	->
2. Sun integrator	->
3. Fixed interval	->
4. 24 hours program	->
5. External start active	->
6. Valve time	(00:00:00)

7.1.1. Basic settings	
1. Function selector	(Off/Time/Sun)
2. Manual irrigation round	(0)
3. Min. time between starts	(00:00:00)
4. Manuel standby	(No/Yes)
5. Valve pause	(00:00:00)
6. Cancel ongoing irrigation	(No/Yes)
7. Start autoperiod relative sunrise	(00:00:00)
9. Date interval	(0)
10. Mode	(Ready...)
11. Start condition	(None)
12. Valve number	(0)

7.1.2. Sun integrator	
1. Function selector	(No/Yes)
2. Overmodulated by auto period	(Yes/No)
3. Acc. sun for start	(9999Wh)
4. Reset outside auto period	(Yes/No)
5. Max. number accumulated irrigation starts	(10)
6. Acc. sun since last start	(0Wh)
7. Remaining irrigations solar integrator	(0Wh)

7.1.3. Fixed interval	
1. Function selector	(No/Yes)
2. Overmodulated by auto period	(Yes/No)
3. Irrigation interval	(01:00:00)
4. Time for last start	(1970-01-01-00:00:00)

7.1.4. 24 hours program	
1. Function selector	(No/Yes)
2. Start time 1	(00:00:00)
3. Start time 2	(00:00:00)
4. Start time 3	(00:00:00)
5. Start time 4	(00:00:00)
6. Start time 5	(00:00:00)
7. Start time 6	(00:00:00)
8. Start time 7	(00:00:00)
9. Start time 8	(00:00:00)

7.1.5. External start active	
1. Function selector	(No/Yes)
2. Overmodulated by auto period	(Yes/No)
3. External start active	(No/Yes)

7.2. Sprinkling	
1. Function selector	(Off/On/Aut.)
2. Start time	(06:00:00)
3. Stop time	(18:00:00)
4. Valve time	(00:00:00)
5. Shortest interval	(00:02:00)
6. Longest interval	(00:05:00)
7. Max interval	(24:00:00)
8. Sprinkling active	(-----)
9. Valve number	(0)
10. Intervalltime	(00:00:00)
11. Humidification	->
12. Cooling	->

7.2.11. Humidification	
1. Funtion selector	(Off/On)
2. Humidity setpoint	(Absolute/Relative)
3. Min. RH%	(40RH%)
4. Min. RH% relative	(0RH%)
5. P-band RH	(5%)
6. Humidity RH%	(479.4RH%)
7. Minimum RH demand	(40RH%)
8. Humidification factor	(0)
9. Humidification active	(Yes)

7.2.12. Cooling	
1. Function selector	(Off/On)
2. Temp. set point	(Absolute/Relative)
3. Cooling temperature basic	(30°C)
4. Time zone add. - zone	->
5. P-band air temperature	(2°C)
6. Air temp.	(23.4°C)
7. Cooling temperature	(30°C)
8. Heat demand	(18°C)
9. Cooling factor	(0)

7.2.12.4. Time sone add. - zone	
1. Zone 1	(0°C)
2. Zone 2	(0°C)
3. Zone 3	(0°C)
4. Zone 4	(0°C)
5. Zone 5	(0°C)
6. Zone 6	(0°C)

8. Alarm setup	
1. Alarm list	->
2. Alarm settings	->

8.1. Alarm list	
1. Switch off alarm relays	(1)
2. Activate alarms	->

8.1.2. Activate alarms	
1. Sensor failure readings	->
2. Low absolute air temp	(Yes)
3. Low rel. air temp	(Yes)
4. Low soil temp.	(Yes)
5. Low flow temp. 2	(Yes)
6. High absolute humidity	(Yes)
7. High RH%	(Yes)

8.1.2.1. Sensor failure readings	
1. Air temp. 1	(No)
2. Humidity 1	(Yes)
3. Flow temperatur 1	(No)
4. Flow temperatur 2	(Yes)
5. Local light	(No)
6. Local sun	(No)
7. CO2	(Yes)
8. Soil temp.	(Yes)

8.2 Alarm settings	
1. Air temp alarm	->
2. Soil temp alarm	->
3. Humidity alarm	->
4. CO2 alarm	->
5. Flow temp. alarm	->

8.2.1. Air temp alarm	
1. Abs. low air temp. day (12°C)	
2. Abs. high air temp. day (40°C)	
3. Abs. low air temp. night (12°C)	
4. Abs high air temp. night (40°C)	
5. Rel. low air temp. day (-2°C)	
6. Rel. high air temp. day (10°C)	
7. Rel. low air temp. night (-2°C)	
8. Rel. high air temp. night (10°C)	

8.2.2. Soil temp alarm	
1. Low soil temp.	(10°C)
2. High soil temp.	(30°C)

8.2.3. Humidity alarm	
1. Abs. low RH% day (40RH%)	
2. Abs. high RH% day (100RH%)	
3. Abs. low RH% night (40RH%)	
4. Abs. high RH% night (100RH%)	
5. Rel. high RH% day (10RH%)	
6. Rel. high RH% night (10RH%)	

8.2.4. CO2 alarm	
1. Min. CO2 conc. when active (300ppm)	
2. Rel. low CO2 when active (-200ppm)	
3. Max CO2 con. when active (1500ppm)	

8.2.5. Flow temp. alarm	
1. Low flow temp 1	(10°C)
2. High flow temp. 1	(100°C)
3. Low flow temp. 2	(10°C)
4. High flow temp. 2	(100°C)

9. Setup + Service

- 1. User settings ->
- 2. Installation setup ->
- 3. Service ->

1. User settings

- 1. Language (English/Dansk/Deutsch)
- 2. Time zones + day/night ->
- 3. Time settings ->
- 4. Alarm output setup ->
- 5. High prio. alarm selector ->
- 6. Low prio. alarm selector ->

9.1.2. Time zones + day/night

- 1. Time zone 1/5=day/night transition (Absolute/Relative)
- 2. Start time zone 1 (06:00:00) / Rel. start TZ 1 (00:00:00)
- 3. Start time zone 5 (18:00:00) /Rel start TZ 5 (00:00:00)
- 4. Duration time zone 1 (23:59:00)
- 5. Duration time zone 2 (00:00:00)
- 6. Duration time zone 4 (00:00:00)
- 7. Duration time zone 5 (00:00:00)
- 8. Day -night light dependent (Yes/No)
- 9. Light level night to day (0.3klx)
- 10. Light level day to night (0.3klx)
- 11. Sun up (05:52:22)
- 12. Sun down (17:59:35)
- 13. Time zone (6)

9.1.3 Time settings

- 1. Time and date (2011-12-15-19:29:17)
- 2. GMT (0)
- 3. Summer time (No/Yes)

9.1.4. Alarm output setup

- 1. Start high priority alarm (00:00:00)
- 2. Stop high priority alarm (23:59:00)
- 3. Start low priority alarm (06:00:00)
- 4. Stop low priority alarm (18:00:00)
- 5. Delay high priority alarms (00:01:00)
- 6. Delay low priority alarms (00:01:00)

9.1.5. High prio. alarm selector

- 1. Low absolute air temp (Yes)
- 2. Low rel. air temp (Yes)
- 3. High absolute air temp. (Yes)
- 4. High relative air temp. (No)
- 5. Low soil temp. (Yes)
- 6. High soil temp. (No)
- 7. Low flow temp 1 (No)
- 8. High flow temp. 1 (No)
- 9. Low flow temp. 2 (Yes)
- 10. High flow temp. 2 (No)
- 11. Low absolute humidity (No)
- 12. High absolute humidity (Yes)
- 13. High RH% (Yes)
- 14. Low absolute CO2 contrations (No)
- 15. Low rel. CO2 (No)
- 16. High absolute CO2 con. (Yes)
- 17. Circulating pump (No)
- 18. Ventilation position (No)
- 19. External 1 (No)
- 20. External 2 (No)
- 21. Sensor failure (Yes)

9.1.6. Low prio. alarm selector

- 1. Low absolute air temp (Yes)
- 2. Low rel. air temp (Yes)
- 3. High absolute air temp. (Yes)
- 4. High relative air temp. (No)
- 5. Low soil temp. (Yes)
- 6. High soil temp. (No)
- 7. Low flow temp 1 (No)
- 8. High flow temp. 1 (No)
- 9. Low flow temp. 2 (Yes)
- 10. High flow temp. 2 (No)
- 11. Low absolute humidity (No)
- 12. High absolute humidity (Yes)
- 13. High RH% (Yes)
- 14. Low absolute CO2 contrations (No)
- 15. Low rel. CO2 (No)
- 16. High absolute CO2 con. (Yes)
- 17. Circulating pump (No)
- 18. Ventilation position (No)
- 19. External 1 (No)
- 20. External 2 (No)
- 21. Sensor failure (Yes)

9.2. Installation setup

1. Unit setup ->
2. Boiler temp.demand setup ->
3. Ethernet setup ->
4. Compartment setup ->
5. Sensor and sensor zone setup ->
6. Heating setup ->
7. Ventilation setup ->
8. Screen setup ->
9. CO2 setup ->
10. Supplementary light setup ->
11. Humidity control setup ->
12. Alarm setup ->

9.2.1. Unit setup

1. Latitude (0)
2. Longitude (0)
3. Inverted cirkl.pump outputs (No)

9.2.2 Boiler temp.demand setup

1. Max. ring main flow temp. (100°C)
2. Min. ring main flow temp. (60°C)
3. Offset ring main temp.demand (10°C)
4. Offset boiler temp.demand (10°C)
5. Gain for analog output (0.1V/°C)
6. Polled highest temp.demand (0°C)
7. Ring main temp.demand (60°C)
8. Boiler temp. demand (20°C)
9. Voltage out (2V)

9.2.3. Ethernet setup

9.2.4. Compartment setup

1. Gable direction (90°)
2. Light sensor select (Weather station/Local)
3. Local light sensor type (LF2/Q20)
4. House reduction factor light (0.8)
5. Sun sensor select (-----/Local)
6. House reduction factor sun (0.8)
7. Light addition logarithmic (No)
8. Max. light level on light sum (200klx)

9.2.5. Sensor and sensor zone setup

1. Number of flow temp.sensors (2)
2. Number of soil temp.sensors (1)
3. Number of sensor zones (1)
4. Average control sensor zone (1)
5. Sensor select for sensor zones ->

9.2.5.5. Sensor select for sensor zones

1. Air temp. sensor zone 1 (Sensor 1/None)
2. Air temp. sensor zone 2 (None/Sensor 1)

9.2.6. Heating setup

1. Number of heat valve controllers (4)
2. Sensor zone selector heat PID 1 (1)
3. Sensor zone selector heat PID 2 (2)
4. Number of heating valves (3)
5. Heating controller 1 setup ->
6. Heating controller 2 setup ->
7. Heat valves setup ->

9.2.6.5. Heating controller 1 setup

1. PID no. flow temp.demand input (1)
2. Hysteresis heating-venting (0.5°C)
3. Delay heating-venting (00:05:00)
4. Heat-vent. interlock (No)
5. Heat-vent. status (Free)

9.2.6.6. Heating controller 2 setup

1. PID no. flow temp.demand input (2)
2. Heat-vent. interlock (No)
3. Heat-vent. status (Free)

9.2.6.7. Heat valves setup

1. Demand heating valve 1 (1)
2. Demand heating valve 2 (2)
3. Demand heating valve 3 (3)
4. Demand heating valve 4 (4)

9.2.7. Ventilation setup

1. Sensor zone select (1)
2. Auto-adjust vents.by pots. (No)
3. Auto-adjust pots.by midnight (Yes)

9.2.8. Screen setup

1. Number of screens (1)
2. Screen 1 setup ->
3. Screen 2 setup ->

9.2.8.2. Screen 1 setup	
1. Sensor zone select	(1)
2. Heating zone select	(1)
3. Ventilation zone select	(1)
4. Separate dawn-dusk	(No)

Test changing

5. Screen temp.sensor select (1)
6. Force closing by low scr.temp. (No)
7. Offset temp.for stop opening (-2°C)
8. Blackout (No/Yes)
9. Light reduction factor (0.6)

9.2.8.3. Screen 2 setup	
1. Sensor zone select	(1)
2. Heating zone select	(1)
3. Ventilation zone select	(1)
4. Separate dawn-dusk	(No)

Test changing

5. Screen temp.sensor select (1)
6. Force closing by low scr.temp. (No)
7. Offset temp.for stop opening (-2°C)
8. Blackout (No/Yes)
9. Light reduction factor (0.6)

9.2.9. CO2 setup	
1. CO2 on-off control	(Off)
2. CO2 minimum dosing time (00:01:00)	
3. CO2 consumed pr.hour (2g/h)	

9.2.10. Supplementary light setup	
1. Suppl.light 1 setup ->	

9.2.10.1. Suppl.light 1 setup	
1. Light intensity step 1 (2 klx)	
2. Light power step 1 (30kW)	

9.2.11.Humidity control setup	
1. Humidity unit (RH/DX)	

9.2.12. Alarm setup	
1. Alarm on vent. position (No)	
2. Alarm delay setup ->	
3. Sensor alarm select ->	
4. Alarm select ->	

9.2.12.2.Alarm delay setup	
1. Temp. alarm delay (00:01:00)	
2. Humidity alarm delay (00:05:00)	
3. Flow temp alarm delay (00:01:00)	
4. CO2 alarm delay (00:01:00)	
5. Vent.pos alarm delay (00:05:00)	

9.2.12.3.Sensor alarm setup	
1. Air temp. 1 (On)	
2. Flow temperatur 1 (On)	
3. Flow temperatur 2 (On)	
4. Humidity 1 (On)	
5. Local light (Off)	
6. Local sun (Off)	
7. CO2 (Off)	
8. Soil temp. (On)	

9.2.12.4. Alarm select	
1. Air temp. (On)	
2. Soil temp. (On)	

9.3. Service	
1. Heating ->	
2. Common compartment ->	
3. Sensor adjustment ->	
4. Average temp. control ->	

5. Ventilation ->
6. Screen setup ->
7. CO2 control ->
8. Suppl. light ->
9. Max. humidty ->
- 10.Sprinkling setup ->

9.3.1.Heating

1. Heat valve 1 ->
2. Heat valve 2 ->
3. Energy balance model ->
4. Heat PID regulator 1 ->
5. Heat PID regulator 2 ->
6. Heating controller 1 setup ->
7. Heating controller 2 setup ->
8. Circulating pump ->

9.3.1.1.Heat valve 1

1. Step factor (5)
2. Pause factor (5)
3. Minimum pause (00:00:10)
4. Minimum step (00:00:00)
5. Error factor (1)
6. Dead band (0°C)
7. D-factor (1)
8. Flow temperature demand (10°C)
9. Flow temperatur (23.9°C)

9.3.1.2.Heat valve 2

1. Step factor (5)
2. Pause factor (5)
3. Minimum pause (00:00:10)
4. Minimum step (00:00:00)
5. Error factor (1)
6. Dead band (0°C)
7. D-factor (1)
8. Flow temperature demand (10°C)
9. Flow temperatur (-99°C)

9.3.1.3.Energy balance model

1. K-factor greenhouse (10)
2. K-factor addition by rain (2)
3. K-factor screen 1 (30)
4. K-factor screen 2 (30)
5. Basis air exchange factor (1)
6. Air exchange factor (1)
7. Wind air exchange factor (0.2m/s)
8. Power factor air exchange (0.1)
9. Sun power factor (0.5)
10. Light power installed (30)
11. Pipe factor (0.2°C/W)
12. Pipe emission coefficient (0.8)
13. Energy balance model readings ->

9.3.1.3.13.Energy balance model readings

1. K-factor total (7.5W/°C)
2. Air exchange (21m3/h)
3. Energy loss due to air exchange (37.8W/m2)
4. Sun energy contribution (0W/m2)
5. Light energy contribution (0W/m2)
6. Energy flow demand (172.8W/m2)
7. Model flow temperature demand (40.3°C)

9.3.1.4.Heat PID regulator 1

1. P factor wo/model (10)
2. P factor w/ model (5)
3. I time (00:30:00)
4. D time (00:10:00)
5. Dog tail (5°C)
6. Temp. error for reset integral (2°C)
7. Integrale gain low temp. (1)
8. Integrale gain high temp. (1)
9. Exp. error factor (1)
10. Integral diff. factor (0)
11. Min secondary influence on integral (No)
12. Model active (No)
13. Model factor (1)
14. Max. model output (100°C)
15. Diff. time constant (00:30:00)
16. Reading heat PID reg. 1 ->

9.3.1.4.16. Reading heat PID reg. 1

1. Air temperature demand (18°C)
2. Flow temperature demand (-42.7°C)
3. Proportional demand (-58.9°C)
4. Integral demand (0°C)
5. Differential demand (-0.7°C)
6. Model demand (-----)
7. Temperature error (5.8°C)
8. Temperature exp. error (10.6°C)

What is this
Check unit

9.3.1.5.Heat PID regulator 2

1. P factor wo/model (10)
2. P factor w/ model (5)
3. I time (00:30:00)
4. D time (00:10:00)
5. Dog tail (5°C)
6. Temp. error for reset integral (2°C)
7. Integrale gain low temp. (1)
8. Integrale gain high temp. (1)
9. Exp. error factor (1)
- 10.Integral diff. factor (0)
- 11.Min secondary influence on integral (No)
- 12.Model active (No)
- 13.Model factor (1)
- 14.Max. model output (100°C)
- 15.Diff. time constant (00:30:00)
- 16.Reading heat PID reg. 2 ->

9.3.1.5.16. Reading heat PID reg. 2

1. Air temperature demand (18°C)
2. Flow temperature demand (185°C)
3. Proportional demand (180°C)
4. Integral demand (-13°C)
5. Differential demand (-5.8°C)
6. Model demand (Yes)
7. Temperature error (-18°C)
8. Temperature exp. error (-108.8°C)

9.3.1.6.Heating controller 1 setup

1. Ramp increase flow temperature primary (0°C/h)
2. Ramp decrease flow temperature primary (0°C/h)
3. Ramp increase flow temperature secondary (0°C/h)
4. Ramp decrease flow temperature secondary (0°C/h)
5. Lowest min temperature primary (0°C)
6. Lowest min temperature secondary (0°C)
7. Primary-secondary conditions (0.5)
8. Reading heat controller 1 ->

9.3.1.6.8.Reading heat controller 1

1. Flow temperature demand from PID (-39.5°C)
2. Air temperature demand (18°C)
3. Secondary transfer to primary (0°C)
4. Min. flow temperature primary (10°C)
5. Light depending change min. primary (-5.8°C)
6. Min flow temperature secondary (10°C)
7. Light depending change min. secondary (-5.8°C)
8. Flow temperature demand primary (10°C)
9. Flow temperature demand secondary (10°C)

9.3.1.7.Heating controller 2 setup

1. Ramp increase flow temperature primary (0°C/h)
2. Ramp decrease flow temperature primary (0°C/h)
3. Ramp increase flow temperature secondary (0°C/h)
4. Ramp decrease flow temperature secondary (0°C/h)
5. Lowest min temperature primary (0°C)
6. Lowest min temperature secondary (0°C)
7. Primary-secondary conditions (0.5)
8. Reading heat controller 2 ->

9.3.1.7.8.Reading heat controller 2

1. Flow temperature demand from PID (-39.5°C)
2. Air temperature demand (18°C)
3. Secondary transfer to primary (0°C)
4. Min. flow temperature primary (10°C)
5. Light depending change min. primary (-5.8°C)
6. Min flow temperature secondary (10°C)
7. Light depending change min. secondary (-5.8°C)
8. Flow temperature demand primary (10°C)
9. Flow temperature demand secondary (10°C)

9.3.1.8.Circulating pump

1. Pump 1 offset flow temperature demand (0°C)
2. Pump 2 offset flow temperature demand (0°C)
3. Common stop delay (00:15:00)

9.3.2.Common compartment

1. Ramp for increase light addition (6°C/h)
2. Ramp decrease light addition (1.5°C/h)
3. Average time temperature reading (00:00:30)
4. Average time humidity reading (00:03:00)
5. Average time sun radiation reading (00:05:00)
6. Average time light reading (00:05:00)
7. Average time CO2 reading (00:00:10)
8. Delay dawn-dusk (00:15:00)

9.3.3.Sensor Adjustment

1. Air temp. 1 Gain (1)
2. Air temp. 1 Offset (0°C)
3. Air temp. 1 Reading (23.9°C)
4. Air temp. 2 Gain (1)
5. Air temp. 2 Offset (0°C)
6. Air temp. 2 Reading (0°C)
7. Humidity 1 Gain (1)
8. Humidity 1 Offset (0RH%)
9. Humidity 1 Reading (479.5RH%)
- 10.CO2 Sensor Gain (1)
- 11.CO2 Sensor Offset (0ppm)
- 12.CO2 Sensor Reading (-749.5)
- 13.Local Light Gain (1)
- 14.Local Light Offset (0klx)
- 15.Local Light Reading (-0.0klx)

9.3.4.Average temp. control

1. Max. averaging temperature (30°C)
2. Min averaging temperature (10°C)
3. Max. average error (10°C)
4. Min. average error (-10°C)
5. Recovery gain (2.5)
6. Average temperature error (0°C)
7. Recovery temp. (-5.8°C)
8. Average time (23.8°C)

9.3.5.Ventilation

1. Common ventilation ->
2. Ventilation Model ->
3. Ventilation PI regulator ->
4. Controller 1 ->
5. Vent 1 ->
6. Vent 2 ->
7. Vent.pos.on time/Potentiometer (Time/Pot.)
8. Ventilation pot. adjustment ->

9.3.5.1.Common ventilation

1. On delay gale + storm (00:00:05)
2. Off delay gale + storm (00:05:00)
3. Wind angle for parallel (10°)
4. Delay leeside switch (00:05:00)
5. Wind speed for leeside switch (2m/s)
6. Staircase vent position (5%)
7. Staircase delay on vent pos. (00:05:00)
8. Vent adjustment interval by no ventilation (01:00:00)
9. Vent adjustment interval by ventilation (06:00:00)
10. Additional adjustment time (00:01:00)
11. Vent demand for no adjustment (200%)

9.3.5.2.Ventilation Model

1. Sun compensation (0%/W)
2. Sun ramp compensation (0°C/h)
3. Sun vent. reduc. DT dep. (0%/°C)
4. Delta T factor (1)
5. Sun ventilation demand (0%)

9.3.5.3.Ventilation PI regulator 1

1. Basic P-factor (3)
2. I-time (00:15:00)
3. P-factor DT dependant (7 1/°C)
4. Sun vent factor (0)
5. Dog tail (5%)
6. Low temp. integral gain (2)
7. High temp. integral gain (1)
8. Exp. error factor (1)
9. P-factor vent position (0.0°C/%)
10. Reading vent. PI reg. 1 ->

9.3.5.3.10. Reading vent. PI reg. 1

1. Ventilation temperature demand (25°C)
2. Ventilation demand (0.9%)
3. Proportional demand (-13.4%)
4. Integral demand (14.8%)
5. Final P factor (10)
6. Temperature error (-1.3°C)
7. Temperature exp. error (-1.7°C)

9.3.5.4.Controller 1

1. Dist out temp. for start redu. max (-10°C)
2. P band out temp for redu. max (10°C)
3. Wind speed for start redu. max (10m/s)
4. P band wind for full redu. max (10m/s)
5. Ramp cancel reduction of max (10°C)
6. Dist out temp. for start redu. min (-10°C)
7. P band out temp. for redu. min (10°C)
8. Wind speed for start redu. min (5m/s)
9. P-band wind full reduction min. (5m/s)
10. Dist air temp. for start redu. min (-2°C)
11. P band air temp for redu. min (2°C)
12. Ramp cancel reduction of min (10s)
13. Leeside-wind side ratio (0.5)

9.3.5.5.Vent 1	
1. Open time	(00:05:00)
2. Closing time	(00:05:00)
3. Dead band	(1%)
4. Hysteresis	(0.2%)

9.3.5.6.Vent 2	
1. Open time	(00:05:00)
2. Closing time	(00:05:00)
3. Dead band	(1%)
4. Hysteresis	(0.2%)

9.3.5.8.Ventilation pot. adjustment	
1. Vent 1	->
2. Vent 2	->

9.3.5.8.1.Vent 1	
1. Manual	(Close/Aut./Open)
2. Open	(500Ohm)
3. Present	(0Ohm)
4. Closed	(0Ohm)
5. Auto	(No/Yes)

9.3.5.8.2.Vent 2	
1. Manual	(Close/Aut./Open)
2. Open	(500Ohm)
3. Present	(0Ohm)
4. Closed	(0Ohm)
5. Auto	(No/Yes)

9.3.6.Screen setup	
1. Common screens	->
2. Readings common screens	->
3. Screen 1	->
4. Reading screen 1	->
5. Screen 2	->
6. Reading screen 2	->
7. Number of screens	(1)

9.3.6.1.Common screens	
1. Dusk delay	(00:10:00)
2. Dawn delay	(00:10:00)
3. Dawn-dusk light hysteresis	(0.1klx)
4. P-band energy cost	(20W/m2)
5. Max increase factor	(2)
6. Temperature control hysteresis	(1°C)
7. Hysteresis light on by suppl. light	(0.1klx)
8. Delay of max screen by ventilation	(00:00:10)
9. K-factor change screen on-off	(2.5W/°C)

9.3.6.2.Readings common screens	
1. Day-night shading	(No)
2. Energy cost	(45W/m2)
3. Energy cost factor	(1.7)

9.3.6.3.Screen 1	
1. Light reduction factor	(0.6)
2. Screen no. to wait for by opening	(0)
3. Man. add. sun rad. for screen on	(0W/m2)
4. Screen on delay	(00:10:00)
5. Screen off delay	(00:10:00)
6. P band temp. for limit screen	(2°C)
7. Opening step by low out temp	(5%)
8. Opening step increase factor	(0.1%)
9. Opening step interval	(00:03:00)
10. Staircase position demand	(5%)
11. Staircase delay	(00:05:00)
12. Opening time	(00:05:00)
13. Closing time	(00:05:00)
14. Dead band	(1)
15. Hysteresis	(0.1)

9.3.6.4.Reading screen 1	
1. Present position demand	(100%)
2. Final position demand	(100%)
3. Screen status on-off	(On)

9.3.6.5.Screen 2

1. Light reduction factor (0.6)
2. Screen no. to wait for by opening (0)
3. Man. add. sun rad. for screen on (0W/m2)
4. Screen on delay (00:10:00)
5. Screen off delay (00:10:00)
6. P band temp. for limit screen (2°C)
7. Opening step by low out temp (5%)
8. Opening step increase factor (0.1%)
9. Opening step interval (00:03:00)
10. Staircase position demand (5%)
11. Staircase delay (00:05:00)
12. Opening time (00:05:00)
13. Closing time (00:05:00)
14. Dead band (1)
15. Hysteresis (0.1)

9.3.6.6.Reading screen 2

1. Present position demand (100%)
2. Final position demand (100%)
3. Screen status on-off (On)

9.3.7.CO2 control

1. P-factor (0.1 s/ppm)
2. Integral factor (00:00:10)
3. Error for reset integral (1000ppm)
4. Dosing interval (00:05:00)
5. Delay of CO2 reduce. by vent. (00:02:00)
6. Hysteresis by on-off (50ppm)
7. CO2 error (-1050.3ppm)
8. Integral dosing time (00:00:00)
9. Total dosing time (00:01:45)
10. CO2 dosing active (No)

9.3.8.Suppl. light

1. Common supplementary light ->
2. Reading common supplementary light ->
3. Supplementary light 1 ->
4. Reading suppl. light ->

9.3.8.1.Common supplementary light

1. Lamp on delay (00:05:00)
2. Lamp off delay (00:05:00)
3. Hysteresis lys start/stop (1klx)
4. Time for reset of light sum (00:00:00)

9.3.8.2.Reading common supplementary light

1. Supplementary light 1 (Off)
2. Supplementary light 1 intensity (0klx)
3. Total power light active (0kw/m2)

9.3.8.3.Supplementary light 1

1. Minute for light on (0s)
2. Light level for start - stop 1 (5klx)
3. Light for add. start-stop 2 (-1klx)
4. Light for add. start-stop 3 (-1klx)
5. Max. light level on light sum (200klx)

9.3.8.4.Reading suppl. light

1. Auto period light control (No)
2. Active enable (No)
3. Start enable (Yes)
4. Active step (Off)

9.3.9.Max. humidity

1. Hysteresis max RH% (1RH%)
2. Hysteresis min DX (0.1g/kg)
3. Hysteresis HAF RH% (1RH%)
4. Hysteresis HAF DX (0.1g/kg)
5. Hysteresis HAF temp. (1°C)
6. Hysteresis HAF vent. (2°C)
7. Start delay HAF (00:05:00)
8. Ramp RH demand (10%/h)
9. Ramp DX demand (1g/kg)
10. Pulse time heat (00:01:00)
11. Period time heat (00:05:00)