Dantherm®
CLIMATE SOLUTIONS

Software v.1.47 changes

Added:

- New menu view: SW version. *Displays current software version.*
- New menu view: Ambient temperature. *Displays current ambient temperature. ***
- New menu view: Condenser temperature. *Displays current condenser temperature. ***
- New menu view: Evaporator temperature. *Displays current evaporator temperature. ***
- New menu item: Reset unit. *Performs soft reset of the unit. Same as disconnecting power supply.*
- New menu item: Operation mode select. *Change between operational modes.*
    o AUTO: Fan + compressor automatic operation based on RH set point
    o FAN: Fan always active. Compressor automatic operation based on RH set point.
    o ON: Fan + compressor always active when power supply is connected. (Manual mode)
    o *Mode selection is also available in the Modbus protocol in register 1026. Register value 1=AUTO, 2=FAN, 3=ON*
- New menu item: Fan function select. *Adjust settings for periodic fan operation to sample air when unit is idle.*
    o ENA/DIS: Enable / disable fan function
    o Run: Fan ON period (15...600s, default 60s)
    o Wait: Fan wait period (60...7200s, default 3600s)

Changed:

- De-icing sequence revised for optimized for performance.
- LOG file updated: Removed periodic logs every 3h when idle. New entries are only logged when unit changes state. Changed data overview in log file.
- Buzzer signals: Disabled unwanted audible signals. See updated signal overview below.
- LED signals: Simplified LED signals and added new fault codes for diagnosing without removing the front cover. See signal overview below.
- Display texts: "ABRH" and "ABT" info messages removed in display and DRC remote control panel.

Signal overview from software v.1.47

LED		Audible alarm	Reason
OFF	-	-	No power to PCB
Blue	Burst	Single 1s beep	Power up sequence
	Slow flashing	-	Self-test sequence activated. LED will blink until self-test has completed.
Green/Yellow	Flashing	-	Unit in remote pairing mode
Green	Constant	-	Unit operating normally
Yellow	Constant	-	Service timer expired. Perform service and set new interval
Red	2x flash	Single 3s beep	LP alarm. See fault finding guide
	4x flash		HP alarm. See fault finding guide
	6x flash		Sensor alarm. See fault finding guide

* Temperature reading is only refreshed when switching between the views.

Menu overview software v.1.47

- ⌐h5o: *Rh set point 40...99*

- FAnF: *Fan function. Periodic air sampling when idle (NEW)*

  o dⁱ5 / EnA: *Disable / enable Fan function*

  o ⌐Un: *RUN time when active 15...600s*

  o UAⁱt: *Wait timer 60...7200s*

- AUto: *Mode selection (NEW)*

  o AUto: *Automatic operation*

  o On: *Always on (manual mode)*

  o FAn: *Fan always ON, compressor AUTO mode*

- ⌐5t: *Reset (NEW)*

  o ⌐5t: *blinking, press OK for reset*

- At24: *Ambient temperature reading °C (NEW)*

- Et12: *Evaporator temperature °C (NEW)*

- Ct38: *Condenser temperature °C (NEW)*

- U146: *SW-version (NEW)*

- d001: *Modbus ID*

- 5ⁱOF: *Service Interval 0...99w*

- EFOF: *Exhaust fan 40...99%RH*

- °COF: *Heater 0...34°C*