

## Installation Guide

# **ERC 112**

Bottle Cooler Controller

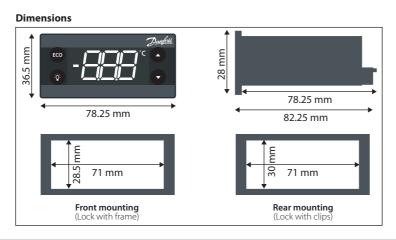


DKRCE.PI.RL0.A3.02
520H10340

### **Technical specification**

Power Supply	100 – 240 V AC Switch	mode power	supply. Ave	erage 0.7 W							
	5 inputs: 4 analogue (digital), 1 digital; user specific assignment										
Input	Air / Evaporator / Cond	lenser	<ul> <li>Door sense</li> </ul>	pr: all types, user specific							
input	Light sensor: Danfoss E sensor	CO light	Motion sensor								
		UL60730		EN60730							
	"DO1"	120 V AC: 16 FLA 16/LRA 3									
Output	(Compressor relay)	240 V AC: 10 FLA 10 / LRA		16(16) A							
	"DO4"	8 A resistive, 12, TV-1	FLA 2 / LRA	8 A resistive, 2(2) A							
	"DO5"	2, TV-1	8 A resistive, 2(2) A								
	"DO6"	FLA 2 / LRA 1	2, TV-1	8 A resistive, 2(2) A							
				Max 10 A total "DO4-6"							
Probes	Danfoss NTC sensors ar     Danfoss PT1000 ohm /		D accessories	;							
Connectors	Modular connector system in a ladapter     Input connector type: I     output connector type	Rast2 5 Edge co	onnectors	th optional output screw							
Programming	Programming with Danf			KoolDock							
Assembly	3 types for all controls: front mounting; bracket (requires OEM specific d	s; fully integrat	ed solution								

splay	LED display, 3 digit, decimal point and multi functionality icons; °C / °F scale											
ypad	4 buttons (integrated IP65 design), 2 left, 2 right; user programmable											
perating	0 ℃ – 55 ℃, 93% rH											
onditions	0 C = 55 C, 95 /011											
orage	-40 °C – 85 °C, 93% rH											
onditions	-40 C - 05 C, 9570111											
nge of	-40 °C – 85 °C											
easurement	-40 C - 65 C											
	Front: IP65											
otection	Rear: water and dust protection corresponds to IP31,											
	accessibility of connectors limit rear pa	rt rating to IP00										
vironmental	Pollution degree II, non-condensing											
sistance to	Category D (UL94-V0)											
at & fire	Category D (OL94-VO)											
AC category	Category I											
perating Cycles	Compressor relay: more than 175.000 a	it full load (16 A (16 A))										
	R290 / R600a end-use applications											
	employing in accordance to											
	EN / IEC 60335-2-24, annex CC and											
	EN / IEC 60335-2-89, annex BB											
	<ul> <li>Glow wire according to</li> </ul>	• These approvals are only valid when										
oprovals	EN / IEC 60335-1 / IEC / EN 60730	using the accessories approved										
	• UL60730	using the accessories approved										
	• NSF											
	• CQC											
	• EAC											
	• Ukraine											



## Functional description of used sensors

## Control temperature sensor

The control sensor must always be connected and is used for controlling the cut-in and cut-out of the compressor according to the set-point. The sensor is also used for the displayed temperature. Most common placement is in the return air to the evaporator.

#### Evaporator sensor

The evaporator sensor is only used for de-icing of the evaporator and has no control purpose. Place the sensor where the ice melts last. Please be aware of that sharp fins can damage the cable.

## Condenser temperature sensor

The condenser sensor is used to protect the compressor against high pressure when the condenser is blocked or the condenser fan fails. Place the sensor at the liquid side of the condenser. Use a metal bracket or metal tape to ensure good thermal conductivity. Be sure that the cable does not pass hot spots at the compressor or condenser that exceeds 80 °C.

## ERC front and button functionality



С	onfigurable fu	nctionality	/					
Button		Basic function	Not operating	ON/OFF	Increase setpoint	Decrease setpoint	Toggle defrost	Toggle light
1	press	OK						
1	pess and hold							
2	press	BACK						
2	pess and hold							
3	press	UP						
3	pess and hold							
4	press	DOWN						
4	pess and hold							

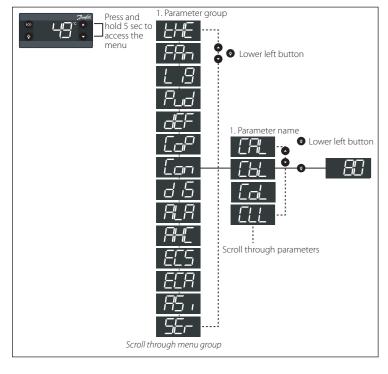
## Configurable functionality

4

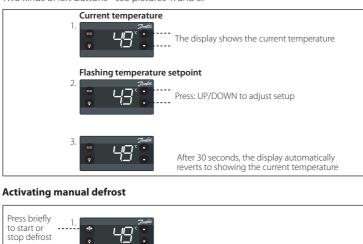
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	onngarable ranctionancy													
3	utton	Toggle ECO	Toggle pull- down	Increase display intensity	Decrease display intensity	Toggle °C or °F	Enter holiday	Toggle winter/ summer	Info menu					
	press													
	pess and hold													
2	press													
)	pess and hold													
3	press													
3	pess and hold													
1	press													
1	pess and hold													

#### Menu structure

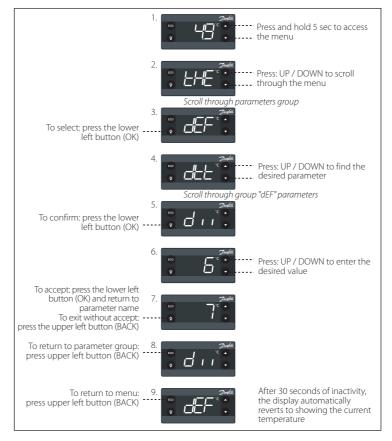


#### Operation Changing the setpoint: Two kinds of left buttons - see pictures 1. and 3.

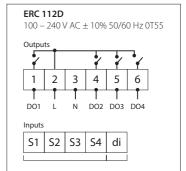


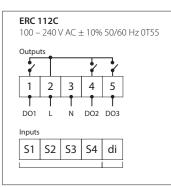


## Example of changing a parameter



#### Wiring diagram





#### **Configuration of outputs**

Relay outputs	Compress.	Defrost	Fan	Light	Alarm	Heating application
DO1 (o1C)						
DO2 (o2C)						
DO3 (o3C)						
DO4 (o4C)						

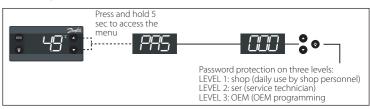
#### **Configuration of inputs**

Input/ sensor	Cabinet sensor	Evapor. sensor	Conden. sensor	Door sensor	Light sensor	Movem. sensor	Comm.
S1							
S2							
S3							
S4							
di							

### Turning ON/OFF the ECO function



#### **Password protection**



#### Acknowledging alarm



e alarm code flashing alternately th the temperature and the arm symbol is displayed

fter the acknowledge the nperature is displayed and the n symbol remains shown



Press any button to acknowlege

## Parameter table

Menu	Parameter name	Menu Description	Def Mi	n Max	Unit Current setting	Menu	Parameter name	Menu code		Def	Min	Max Uni	t Current setting	Menu	Parameter name	Ment		Def	Min	Max Un	it Current setting
Thermostat	Set point	tHE         Main menu for thermostatic settings           SEt         Set point value	2.0 -100	10 200 0	°C	Display			Display settings no: Display intensity use fixed value	H T				Assign.		ASi	Assignment of inputs and outputs no: MODBUS auto detection is enabled				
	Set point Set point adjustment ratio	SPr Actual value of setpoint. Adjustment = diF * SPr	0.5 0.0				Display intensity auto control	diC	yES: Display intensity controlled automaticlly by ambient light	no	no	yES			MODBUS Safety		yes: MODBOS communication is deactivaed	no	no		
	Differential	diF Thermostat differential for serving	2.0 0.0				Display Intensity	din	Normal Intensity of display when no ambient light sensor is attached Minimum intensity when ambient light sensor is attached	10	2	10			Temp Adj. for S1		Adjust value for sensor1 before being used by application Adjust value for sensor2 before being used by application	0.0	-20.0	20.0 11	
	High Set point Low Set point	HSE High limitation of thermostat setpoint in position warm LSE Low limitation of thermostat setpoint in position cold	-35.0 -100				Display Unit	CFu	C=Celsius. F=Fahrenheit	-C	-C	-F		1	Temp Adj. for S2 Temp Adj. for S3		Adjust value for sensor2 before being used by application Adjust value for sensor3 before being used by application			20.0 K 20.0 K	
	nitial cut in	Comp relay action when Tair is between Cut-in and Cut-out at power-up performed power-up performed performance of the compressor	no no				Temp sensor to display	trS	SCo: Temperature control EuA: Evaporator temperture Con: Condenser temperature (Condenser cleaning) AuS: Only for showing on display	SCo	SCo	AuS			Temp Adj. for S4	t4A S1C	Adjust value for sensor4 before being used by application Sensor type used for sensor input 1/2/3 Str: Standard NTC 5k @ 25 °C (EKS211) in Celsius			20.0 K	
	Seasonal offset temperature	no: Cut out the compressor SP2 Offset value for set point and alarms when the seasonal offset button is activated.	0 -25	5 25	K		Display Resolution	rES	0.1: Decimal with 0.1 degree resolution 0.5: Decimal with 0.5 degree resolution 1: Integers	0.1	0.1	1			S1/S2/S3 Config	S2C S3C	Htn: High temperature NTC 100k @ 25 °C in Celsius Ldr: Light sensor(LDR). Luminens dig: Digital input. On / Off	Stn	Stn	dig	
Fan	Seasonal differential	dF2 Temperature differential during seasonal offset mode. This differential not applicable during ECO mode. FAn Main menu for fan settings	2 0	20	К		Display Range Limit	rLt	no: Disabled, display is allowed to go outside of 'ThSP - diF*SPr ~ ThSP + diF* (1 - SPr)' VES: Enabled, display is not allowed to go outside of	no	no	yES			S4 Config	S4C	Stn: Standard NTC 5k @ 25 °C (EKS211). in Celsius Htr: High temperature NTC 100k @ 25 °C. in Celsius Pt1: PT1000 sensor 1000K @ 0 °C. in Celsius Ldr: Light sensor(LDR). Luminens	Stn	Stn	dig	
	Fan control method	FAo: Fan always on FCt SEt: Fan follow compressor by manually settings Aut: Automatical Fan control	FAo FAo				Display Delay	ddL	ThSP - diF*SPr ~ ThSP + diF*(1 - SPr)' Time-constant for averaging of temperature at display Temp value reaches 100 % when 5 * ddL expires	0	0	10 mir					dig: Digital input. On / Off Select the function to be controlled via the Sensor 1 / 2 / 3 nC: Not connected				
	Fan On Delay Fan Stop delay	Fod         Delay for fan start after compressor cutin           FSd         Delay for fan stop after compressor cutout	0 0	240			Display Offset	doF	Correction for bad sensor placement. Value at 0 °C	0.0	-10.0	10.0 K		-			SCo: Temperature control EuA: Evaporator temperture				
	Fan On Cycle	FoC On time for fan during compressor off period	0 0				Lock-time After defrost	dLt	In order not to show a rising temperature during defrosting, the displayed temperature is locked at the temperature shown at the	15	0	60 mir			S1/S2/S3 Application	S1A S2A	Con: Condenser temperature (Condenser cleaning)	SCo	nC	doo	
	Fan Stop Cycle	FSC Stop time for fan during compressor off period	0 0					GLU	start of the defrost cycle for the number of minutes set in this parameter. 0=No lock		Ŭ					S3A	AuS: Only for showing temperature on display Ldr: Light sensor(LDR). Luminens				
	Fan Minimum Stop time ∆t for fan to cut in	FSt Minimum Stop time for fan protection FdC Delta T for fan to cut in which the temperature offset comparing	10 0 0.0 -10.		K		Show Economy/Night Mode	SEC	no: "ECo" and "ngt" will not be showed for Economy / Night Mode yES: "ECo" or "ngt" will be displayed through whole	no	no	VES		]			ECo: External input to control ECO mode doC: Door contact. Contact closed when door closed				
		with thermostat cut in temperature           0: Fan stop immediately when door open	0.0 -10.	.0 10.0	IX.		Show Economy, Higherhode	520	Economy / Night Mode			,		↓			doo: Door contact. Contact open when door closed Select the function to be controlled via the Sensor 4 input				
	Fan delay on door open	Fdt 1~998: delay for fan stop after door open 999: fan keep running all the time during door opening	0 0	999	Sec		Show Pull Down	SSC	no: "SC" will not be showed for Pull down state yES: "SC" will be displayed through whole Pull down state	no	no	yES					nC: Not connected SCo: Temperature control				
	Fan limit temperature	This parameter defines the maximum evaporator temperature at	50 0	50	°C		Show Holiday	SHo	no: Display will show temperature or ECO mode during holiday mode yES: Display will show "HoL" during holiday mode	no	no	yES					EuA: Evaporator temperture Con: Condenser temperature (Condenser cleaning)				
		Which the Fan must switch OFF.					Show Defrost	SdF	no: Display will show temperature during defrost yES: Display will show dEF during defrost	yES	no	yES		1	S4 Application	S4A	AuS: Only for showing temperature on display Ldr: Light sensor (LDR). Luminens	nC	nC	bt5	
Light	Fan limit Delta temperature	FdF after it is switched off due to FLt setting. Lig Main menu for Light settings	2 1	10	K		Show compressor symbol	SCS	no: Compressor symbol will not show on display	VES	no	VES					ECo: External input to control ECO mode doC: Door contact, Contact closed when door closed				
Light		on: Always ON (Button is default to control light for all these options)							yES: Show compressor symbol on display no: Fan symbol will not show on display			)==					doo: Door contact. Contact cosed when door closed bt5: Button5				
	Cabinet Light Control Source	CLC oFF: Always OFF dor: Door sensor only	on on	dor			Show Fan symbol	SFS	yES. Show fan symbol on display no: Defrost symbol will not show on display	yES		yES					Select the function to be controlled via the digital I/O				
Pull Down	Light off delay	Lod Delay to turn off the cabinet light after door close. 0=No delay Pud Main menu for pull-down settings	0 0	300	Sec		Show Defrost symbol	SdS	yES: Show défrost symbol on display	yES	no	yES			DIGord		non: Not used. (If communication is available depending on MODBUS safety)			D.	
Pull Down	Pull-down Initiate Temperature	Dit Temperature measured by control-sensor that will trigger the	50.0 -40.	0 50.0	°C		Show ECO symbol	SES	no: ECO symbol will not show on display yES: Show ECO symbol on display	yES	no	yES			DI Config	diC	doC: Door contact. Contact closed when door closed	non	non	Pir	
		Pit pull-down mode PCV The duration of the thermostatic operation at pull-down mode	10.0	_			Minimum Display value	Ld	Temperature displayed by the controller, if the probe value is less than minimum display value.	-100 -	-100.0	200.0 °C					ECo: External input to control ECO mode Pir: Movement sensor (Passive infrared)				
	Pull-down Cycling	The periode will start first time the controller reaches the PCt	30 0				Maximum displays also	110	Temperature displayed by the controller if the probe value is	200	100.0	200.0 ℃		1			CoP: Compressor (With ZeroCrossing) Pic: Pilot compressor (No ZeroCrossing)			DUL	
	Pull-down defrost Interval	Pdi Defrost interval during pull-down Over-rules the defrost interval in normal mode	15 0	_	hour		Maximum display value		between Maximum display and Signaling threshold value and the trend of the probe is increasing						DO1 Config	01C	HEL: Inverse outputs. Heating application (With ZeroCrossing) PiH: Pilot Heat relay (No ZeroCrossing)	CoP	CoP	PIH	
	Pull-down duration	Pdd Max time for pull-down mode from initiated till terminated plt The calculated cutout temp for pulldown mustn't lower than this	24 0	10	hour	Alarm	Signalling threshold value		Temperature limit for Maximum display visualization Main menu for alarm settings	200	-100.0	200-0 °C					no: Not used				
	Pull-down limit temp	limit to prevent freezing of product	0.0 -55.	.0 55.0	°C		High Temp Alarm	HAt	High alarm limit			200.0 °C	_		DO2 Config	o2C	dEF: Electric defrost heater / Valve for hot gas ALA: Alarm output	dEF	0	Lig	
	Pull-down reduction temp ∆t	This progressive temp value is used for calculating cutin temp and cutout temp for Pull-down mode:	0.1 0.0	10.0	к		Low Temp Alarm High Alarm delay		Low alarm limit Alarm delay time for high-temperature alarm	1 1		200.0 °C 240 mir					FAn: Fan control Lig: Light control				
		Pulldown-Cutin = NormalCutin - Δt * Hours Pulldown-Cutout = NormalCutout - Δt * Hours					Low Alarm delay		Alarm delay time for low-temperature alarm	0	0	240 mir		1	DO3 Config DO4 Config		Same as DO2 Config Same as DO2 Config	++	0	~	
Defrost		dEF Main menu for Defrost settings no: Defrost function is disabled					Pulldown delay	Pdd	Alarm delay time during & after defrost and after power up (Only for high-temp. alarm)	240	0	960 mir			borcomig		Config of key 1 short. Lower left		0	LIG	
	Defrost type	dFt nAt: Natural defrost. time defrost EL: Electrical heater	no no	Hgd			Door Open delay		Alarm delay on open door Alarm. 0=Disable no: No voltage alarm	2	-	60 mir					noP: Not operating tP: Increase Setpoint				
		Hgd: Hot gas defrost					Voltage alarm	uAL	yES: Voltage alarm activated	no	no	96 hou	_	-		b1C				<b>CEA</b>	
	Adaptive defrost	Add no: Defrost controlled by time yES: Automatic defrost control activated	no no				Leakage alarm	LEA	Leakage detection for compressor protection. 0=Disable 0: Buzzer is off	0	0	96 hou	r		Button 1 Short Config	b2C b3C	Lig: Toggle light dEF: Toggle defrost	noP	noP	CFA	
	Def terminate temp	dtt Defrost stop temperature Defrost timer reset temperature	6.0 0.0				Alarm Buzzer Duration	Abd	[0. 999]: Buzzer will continue for the time set by the parameter in minutes in which process the sound format is such as	0	_	999 mir					SuP: Toggle Super-Cool /Pull-down diP: Increase display intensity displayerase display intensity				
	Def reset temp	drt 0-199: normal evaluation between evaporator/air temp and drt 200: disable drt function	5.0 0.0	200.0	°C			MDa	999: Buzzer continues for ever with		U	222   Mir					din: Decrease display intensity CFA: Toggle Celsius and Fahrenheit				
	Def Min Interval	dii Minimum Interval between defrost starts	6 1						no: Disable this function; alarm status will not disappear								Config of key 1 long. lower left noP: Not operating	ΙŤ			
	Def Max Interval Def Min Time	dAi Maximum Interval between defrost starts dit Minimum defrost time	7 1 5 0		hour min				automatically without acknowledge by user even if the alarm recovers								tP: Increase Setpoint tn: Decrease setpoint				
	Def Max time	dAt Maximum defrost time	30 0	480	min		Auto Clearance of Alarm	ACA	yES: Enable this function; alarm status can change from active to inactive automatically on condition that the alarm recovers	yES	no	yES					ECo: Toggle Eco mode Lig: Toggle light				
	Drip off time Fan delay after Defrost	dot     Drip off delay time       Fdd     Delay for fan start after defrost	0 0			0			(Errors are always auto-clearance enabled)						Button 1 Long Config	b1L b2l	dEF: Toggle defrost SuP: Toggle Super-Cool /Pull-down	PoF	noP	InF	
	Fan start Temp	Fan start temperature after defrost. it's based on evaporator Ftd temperature.	25.0 -25.			Auto- Heater		АНС	Main menu for Street cooler settings (Street-Cooler : Coolers placed in the street with frost						55	b3L					
	Defrost Fan on	dFA Fan cutin during defrost				Control	Automatic heater mode	∆L	yES: Heater will be active if air-temperature is too low	no	no	VES		1			CFA: Toggle Celsius and Fahrenheit PoF: ERC power ON/OFF				
	Defrost Fan on Defrost on compressor time	dc+ no: Elapsed time	no no				enable Energy mode delay	End	no: Normal operation Delay between heater and compressor operation			360 mir		-			HoL: Enter holiday mode inF: Enter Info menu				
	Defrost by compressor	VEC yES: Accumulated compressor run time					Auto Heat set point	AHS	Heater Set point: the set point of auto heating	2.0	-100.0	200.0 °C		1	Button 4 Short Config	b4C	"EC": Toggle Winter & Summer Eco mode Config of key 4 short. Lower right. As key 1 short	tn	noP	CEA	
	Prunning time Defrost start evaporator	0: Deactived	0 0	_	hour	ECO	Auto heat differential		Thermostat differential for auto heatting	2.0	0.0	20.0 K			Saton i Short comig	UTC	Config of key 4 long. Lower right		.101		
	Defrost start evaporator temperature	dEt Defrost start trigger for adaptive defrost	-50.0 -50.	.0 0.0	°C	strategy			Main menu for ECO strategy								noP: Not operating tP: Increase Setpoint				
	Defrost ∆t	ddt Defrost $\Delta t$ compare with evporator temperature of first cut out after defrost to trigger defrost start	5.0 0.0	30.0	К		ECO on / off	ECo	Eco active or not If no all other settings are not active	yES		yES					tn: Decrease setpoint tn: Decrease setpoint				
	nitial Defrost Interval	idi First time defrost after power-up Determine defrost or not while startup by relay1 counter	3 0	96	hour		Door Actions Pir Actions		Times of door action to trigger exiting ECO Times of PIR action to trigger exiting ECO	1	1	10	-	11			ECo: Toggle Eco mode Lig: Toggle light				
	nitial Defrost Duration	idd 1-998: Normal evaluation between idd and relay 1 counter	100 0	999	cycle		Action counter time	ECt	Door action or PIR action within action counter time can trigger exiting ECO	30		180 mir		11	Button 4 Long Config	b4L	dĔF: Toggle đefrost SuP: Toggle Super-Cool /Pull-down	Lig	noP	HoL	
		999: idi is always enabled					Door delay		Door delay after door close to trigger entering ECO	180	0	180 mir		1			diP: Increase display intensity din: Decrease display intensity				
Compressor		CoP         Main menu for Compressor timer settings          pt         no: No voltage protection					Pir delay	EPd	PIR delay to trigger entering ECO Shop light level during opening hours	120	0	180 mir					CFA: Toggle Celsius and Fahrenheit PoF: ERC power ON/OFF				
	Voltage protection Minimum Cutin voltage	uPt yES: Voltage protection activated based on voltage related settings uLi Compressor must not be cut in if power supply goes lower than	no no 0 0		Vac		Shop Light Day	SLd	When above this level ECO mode is canceled Disabled if no light sensor connected/assigned	5	0	80					HoL: Enter holiday mode "tEc": Toggle Winter & Summer Eco mode				
	Minimum cut-out voltage	uLo Compressor must be cut out if power supply goes lower than		270					Shop light level during closing hours								Config of key 5 short. Lower right noP: Not operating				
7	Maximum voltage	uHi Maximum supply voltage for the compressor to postpone startup or stop at	270 0	270	Vac		Shop Light Night	SLn	When below this level ECO mode is enabled Disabled if no light sensor connected/assigned	3	0	80			Button 5 Short Config	b5C	ECo, Togglo Eco modo	noP	noP	dEF	
	Sensor Error Type	EHd No sensor error handling SEt. In case of control sensor error, follow error run/stop time	no no	SEt			Time to pull down	tto	Time which ERC stay in ECO and holiday mode to decide to enter Pull down or Serving mode	0	0	168 hou	r				Lig: Toggle light dEF:Toggle defrost				
	Error run time	Ert Run time for compressor in case of control probe error	0 0	60	min		Light Source delay on ECO	LSd	Time delay for light source to change from serving mode source to ECO mode source	0	0	180 mir		1			Config of key 5 long. Lower right				
	Error stop time Min Stop time	ESt Stop time for compressor in case of control probe error CSt Minimum OFF time for compressor	1 0 2 0		min min		EWU active on / off		Enable or disable early wake up	VES	no	VES		11			noP: Not operating ECo: Toggle Eco mode				
	Min run time	Crt Minimum ON time for compressor	0 0	30	min				Shop is assumed to be closed when staying in ECO mode longer	,		24		- 1	Button 5 Long Config	b5L	SuP: Toggle Super-Cool / Pull-down Lig: Toggle light	noP	noP	HoL	
	Max Off time Compressor door open delay	Cot     Maximum OFF time for compressor       Cdd     Door open delay to stop compressor. 0 = Disable	0 0				Shop close hour	CLH	Time of exiting ECO mode for next	0	0	24 hou					dEF: Toggle defrost PoF: ERC power ON / OFF				
	System resume after door open	Srt Fan and Compressor resume after cut out by door open. 0=Disable	0 0	60	min		Early wake up time offset	ErL	day: Time of first activity to exit ECO mode - the Early wake-up time 0: Early wake up function disabled	120	0	240 mir					HoL: Enter holiday mode Shop owner				
	Power On Delay	Pod Delay time from power on until the outputs are activated Post If Air temperature at power up is higher than this, power on delay	300 0 -100 -10	1			Lloliday Leo eth		In case that no activity has been registered for a number of days	70	0	000		1	Pass-word level1	PS1	Most common parameters for instance real time clock. day / night mode etc.	0	0	999	
Condensor	Power-on temperature	rot is overruled	-100 -10	0 200	L L		Holiday Length	HoL	specified by the Holiday, the Early-wake-up is deactivated and the cooler must stay in Holiday mode until activity is detected	72	0	999 hou					0: Disabled Service technician				
Condenser Protection		Con Blocked condenser protection.				ECO manag.			Main menu for ECO management If this offset is below zero, it means that Night mode will be	F				-	Pass-word level2	PS2	all parameters with read permission and possibility to change a	0	0	999	
	Condenser Alarm Limit	CAL Alarm limit for condenser temperature Available only if condensor sensor is attached / assigned	80 0	200	°C		ECO Temperature Offset	Eto	activated instead of ECO mode	4.0	-25.0						number of parameters like defrost, fan etc. 0: Disabled				
	Condenser Block Limit	Stop limit. If this temperature is exceeded, compressor must be CbL stopped	85 0	200	°C		Holiday Temperature Offset	Hto	Increase or decrease of temperature with respect to normal mode during Holiday mode	6.0		25.0 K			Pass-word level3	pc2	OEM Customer All parameters read and write permission. But with some		0	999	
		Available only if condensor sensor is attached/assigned OK limit. Compressor is allowed to start again if the condenser		200			ECO Differential ECO Fan on cycle	<u> </u>	Thermostat differential for ECO On time for fan during compressor off period in ECO mode		0.0	10.0 K 960 Sec	_				restriction to for instance reset statictical information 0: Disabled		5		
	Condenser OK limit	CL temperature is lower than this temperature Available only if condensor sensor is attached / assigned	60 0	200	°C		ECO Fan stop cycle	FSE	Off time for fan during compressor off period in ECO mode	0		960 Sec	_	1							
	Condensed T 11 1	Low limit. Compressor is not allowed to start if the condenser		0 00			ECO Cabinet light control	ELC	on: Always ON (Button is default to control light for all these options) oFF: Always OFF	on	on	dor		Danfoss can ac	rent no responsibility for possible array	n cataloo	ues brochures and other printed material. Danfoce recorder the right to alter its mode	icts without	ut potice .	This also applie	s to producte
	Condenser Low Temp. Limit	CLL temperature is lower than this temperature Available only if condensor sensor is attached / assigned	-5 -10	0 20	°C		Eco Light delay	ELd	dor: Door sensor only Delay from shop light is turned on or off till mode shift is allowed	5	0	10 mir		already on orde	er provided that such alterations can be r e companies. Danfoss and Danfoss loon	nade with ype are fi	ues, brochures and other printed material. Danfoss reserves the right to alter its produ lout subsequent changes being necessary in specifications already agreed. All tradem ademarks of Danfoss A/S. All rights reserved.	harks in thi	is material	are property o	f the property
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