

USER MANUEL HGD 02

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1. Foreword

This guide is prepared for the HGD refrigerator. The details below are examined in general.

- -How the refrigerator will be used
- -Technical Details
- -Installation and Assembling
- -Infos and suggestions for the users
- -Care operations

Producer company does not have any responsibilities about the situations below.

- -Wrong usage of the refrigerator
- -Wrong assembling
- -Electrical Effects
- -Not doing the periodical cares
- -Changes of Operation
- -Not using the original spare parts
- -Ignoring the given infos

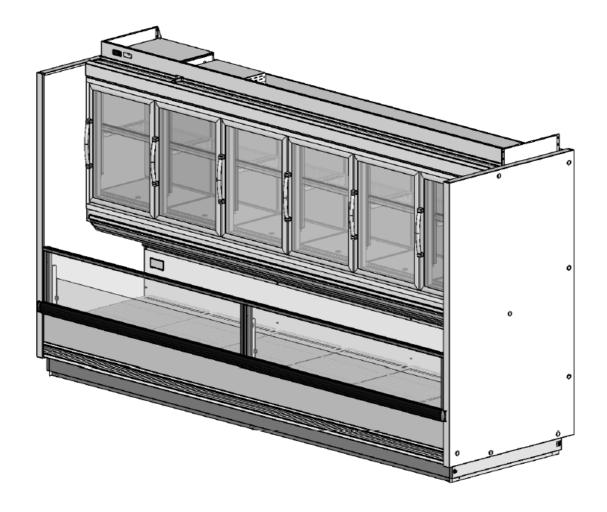
P.S.: Applications about electricity are dangerous for your life. Anyone who uses the refrigerator must read this guide.



1. Introduction

Hgd 02Baltic is a vertical, half front-doored, with the well section multi-shelfed cooler refrigerator. Its condensing unit is designed as remote. With its wide display area and loading capacity, it is suitable for usage of stores and larger stores.

Foodstuffs such as freezed meat, fish and ice-cream can de displayed in the cabinet. The cabinet has a defrost-type resistance.

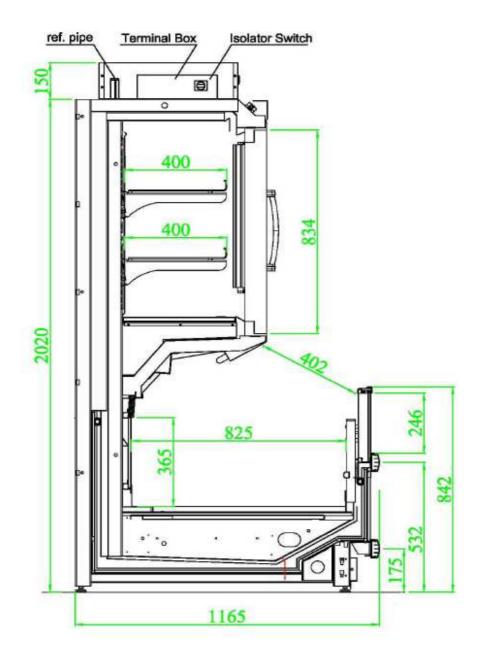




2. Technical details



TECHNICAL DATA SHEET - HGD-02



Manual Hast	TECHNICAL	CHAPTER REVISION STATUS					
Contract Gard	DOCUMENTATION	ORD.	DATE	CHANGE ORDER	ORD.	DATE	CHANGE ORDER
PRODUCT	HGD-02	A			D	31-5000-1-1	
DATE of 1st ISSUE	13.10.2010	В			Ε		
ORDER	ULAS GÜDÜCÜ	C	. 3	18	F	8 1	8





TECHNICAL DATA SHEET - HGD-02

TECHNICAL DETAILS 2500 3750

	Refrigeration Load			
Case Temp (°C)	-21/-23			
Evap Temp (°C)	=	32		
Duty (kW)	2,25	3,37		
Expansion Valve (R404)	TES2 Or.	TES2 Or.		
Expansion valve (R404)	AKV 10-4	AKV 10-5		
Pipe Size - Suction	19 mm	22 mm		
Pipe Size - Liquid	3/8"	3/8"		
Pipe Size - Drain	40	man		
Cubic Capacity (dm ⁸)	1550	2325		
TDA (prEN ISO 23953-2)	2,04	3,05		

Defrost Details		
Defrost Type	Electric	
Duration (minutes)	3 x 45	
Termination	Temp (+8 C)	

Heaters				
Evaporator (Coil)	4 x 800W	4 x 1200W		
Frame (Schott Termofrost)	330 W	509 W		
Doors (Schott Termofrost)	4 x 66W	6 x 66W		
Front Glass	124W	2 x 94W		
Side Glass	-	-		
End Walls	5	-		
Body	3 x 50W	3 x 75W		
Water Drain	16W	16W		
Air Return	200W	2 x 150W		
Air Intake	-	<u> </u>		

		Electrical / Fans	
Supply		230 V	/ 50 Hz
Lighting (TE)	on frame	5 x 14W	7 x 14W
Lighting (T5)	on well	2 x 28W	3 x 28W
Evaporator Fan	s "1700 RPM"	2 x 7W (AO 154mm/28°) 2 x 7W (A 154mm/22°)	3 x 7W (AO 154mm/28°) 3 x 7W (A 154mm/22°)

Design Conditions						
Temp (°C)	25	Humidity (%)	60	Cross Draft Air Speed (m/s)	0,2	

Whent the	TECHNICAL	CHAPTER REVISION STATUS					
Constitution of the Consti	DOCUMENTATION	ORD.	DATE	CHANGE ORDER	ORD.	DATE	CHANGE ORDER
PRODUCT	HGD-02	A	3		D		
DATE of 1st ISSUE	13.10.2010	. В			E		
ORDER	ULAS GÜDÜCÜ	2	§)		F	1	}



4. Norms and Certificates

The approved certificates of norms and refrigerators that are using as reference; EN 60204-1; EN 60439-1; EN 60439-2

ENVIRONMENTAL CLIMATIC ATMOSPHERE (EN 441-4)

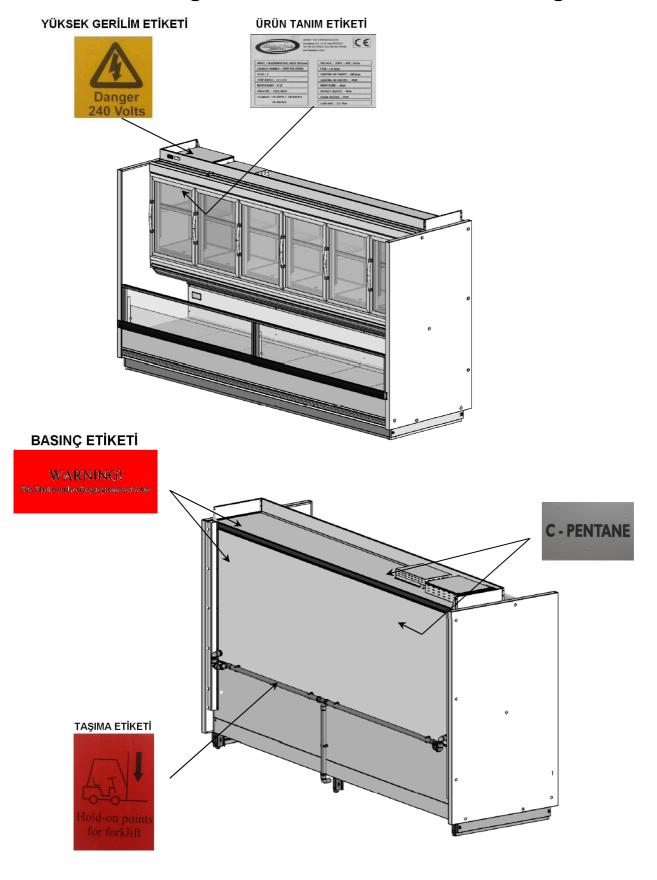
This refrigerator is tested as to atmosphere heat class 3.

Klimatik ortam	Kuru hava sıcaklığı	Bağıl nem	Çiğ noktası
1	16°C	%80	12°C
2	22°C	%65	15°C
3	25°C	%60	17°C
4	30°C	%55	20°C
5	40°C	%40	24°C
6	27°C	%70	21°C

The directives that the refrigerator fits EEC 73/23 , EEC 98/37



5. Warning and definition stickers on the refrigerator





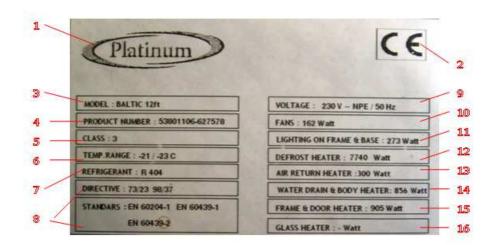
High Voltage Sticker

High voltage sticker is located on the electricity box.



Product Definition Sticker

Product definition sticker is located inside the refrigerator on the ceiling and includes all technical properties.

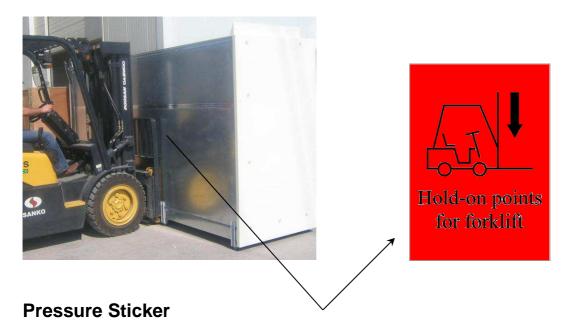


- 1. Logo and address info of the producer company
- 2. Product certificates and quality certificates of producer
- 3. Model of product
- 4. Serial number of product
- 5. Air Conditioner class of product
- 6. Heating limits of product
- 7. Type of the cooler liquid used in product
- 8. Approved certificates of product and standart directives
- 9. Working voltage infos
- 10. Fan power of evaporater
- 11. Electricity power of illumination
- 12. Electricity power of under-shelf illumination
- 13. Electricity power of night blind
- 14. Electricity power of defrost resistances
- 15. Electricity power of total electricity power of frame resistances
- 16. Total electricity power



Transportation Stickers

There are palettes located on the refrigerator for transportation. Transportations with forklifts or transpalettes are materialized by the assistance of these palettes. There is a sticker behind the refrigerator about the transportation palettes. The sticker must be centered with the forklift handles during the transportation as shown in the diagram below.



Pressure sticker is located at the exit points of the copper pipes. It is used for determining the quantity of nitrogen.



Pentane Caution sticker



Pentane is a fairly burning*** gas and it forms a explosive mixture with H2O. Polyurethane urged refrigerator bodies contains pentane. Pentane warning sticker is located at two places. One is at the upper right side behind the refrigerator and the other one is at the upper right part of the refrigerator.

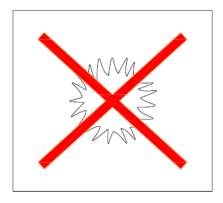


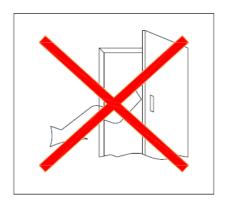
6. Assembling and Environmental Situations

Follow the instructions below for assembling.

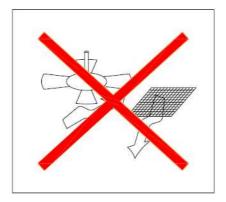
The situations that must be paid attention to placing the refrigerators

- Do not leave or assemble the refrigerator at the positions below;
- Closer to any explosive gasses
- Closer to heaters
- Through the draught











7. Connecting Two Refrigerators

Follow the sequences below for connecting two or more refrigerators.

- Disassemble the endwalls (if exist)
- Place the refrigerators closer to each other
- Disassemble the palette. Level the refrigerators by arranging the heights of cabinet legs. (Diagram 1) Check on the balance by using water ballance*** (Diagram 2). Check the balance of the refrigerator by moving it.

> Side Pillar Connection

- Attach the connection equipments to the connection hole which is located near the refrigerator on the base tray pillars. Connection equipments and their locations are shown on the (Diagram 4).

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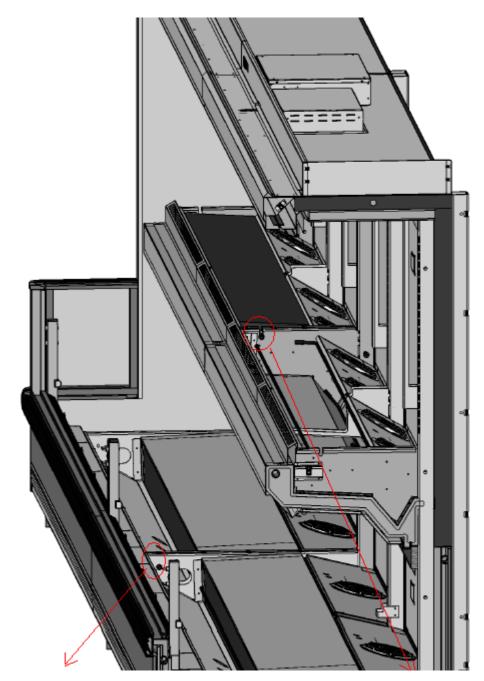
Şekil 1



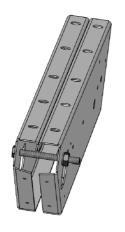


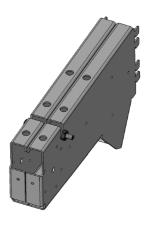
Şekil 3





Şekil 4

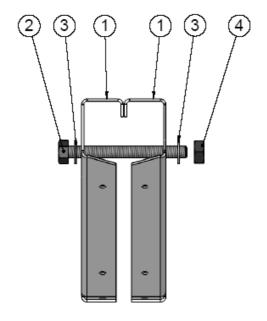


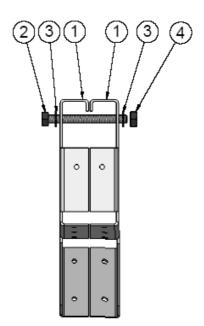




Hgd 02 alt dikme tabanı birleştirme Kesit ön görünüş;

Hgd 02 orta dikme tabanı birleştirme Kesit ön görünüş;





POZ	PARCA ADI	ADET
NO		
1	Dolap yan dikme tabanı	Ürün üzerinde
2	M8x90 Altı köşe başlı civata	2
3	M8 Rondela	4
4	M8 Somun	2



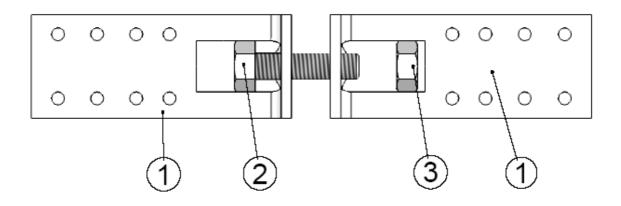
> FRONT BODY AND UPPER PANEL CONNECTIONS

- There are two units of refrigerator connection sheets on the roof of refrigerators and one connection sheet is located on the front lower body of refrigerator. (Diagram 5) That's why attach the connection bolts to the connection holes which are on the refrigerator connection sheets and then tighten the bolts. (Diagram 7)





Şekil 5 Şekil 6



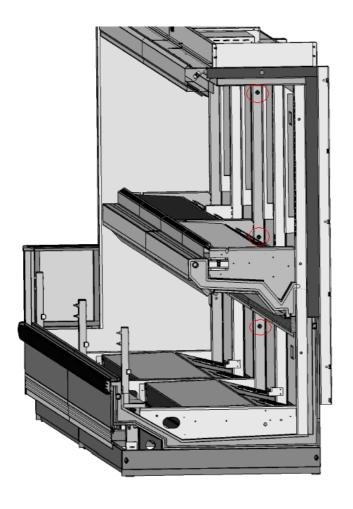
Şekil 7

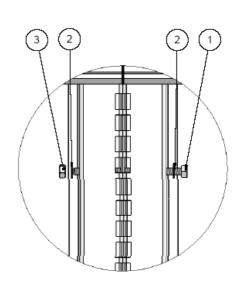
POZ	PARCA ADI	ADET
NO		
1	Dolap birleştirme sacı	5
2	M8x40 6K	5
3	M8 Somun	5



> SIDE PILLAR CONNECTIONS

Side pillars must be connected from the two holes with bolts just as shown on the diagram 8.





Şekil 8

POZ	PARCA ADI	ADET
NO		
1	M8x150 6K Kaplamalı civata	3
2	Pul rondela	6
3	M8 Somun	3





8. Assembling the Endwalls

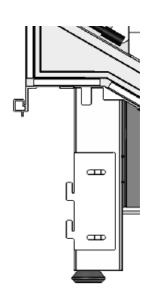
Before assembling the endwalls, bumper end and decor cap must be assembled to the bumper and decor ends.

Assembling the Lower Decor Aluminiums

Screw the upper aliminium of the lower decor as shown in Diagram 9. Then assemble the decor legs to the holes of the lower aluminium of lower decor with kickplate mace screw and Special M6 Nut.(Diagram 10). After placing this assembly to the channel of upper aluminium of lower decor, screw the lower aluminium of lower decor from its decor legs to the bottom of the body with M6.(Diagram 11).



Şekil 9



Kesit yan görünüş



Şekil 10



Şekil 11





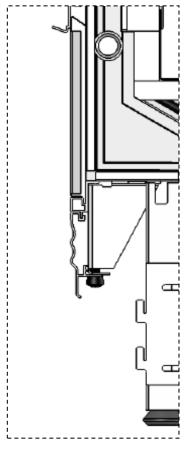
Kesit yan görünüş

Assemble the lower decor sheet to the bumper holder as shown in Diagram 12.



Şekil 12



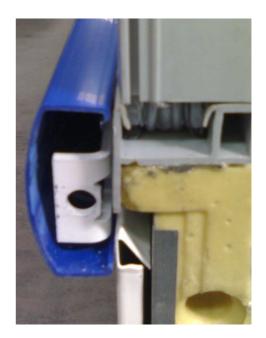


Kesit yan görünüş

Plastik tamponun montaji
 Assemble the plastic bumper to the bumper holder with your hand by pressing on it.







If the endwalls is to be assembled ,then the bumper ends must be assembled to the bumper. That's why cut the nails which are at the end of the bumper and attach it to the bumper aluminium as shown in Diagram 14.



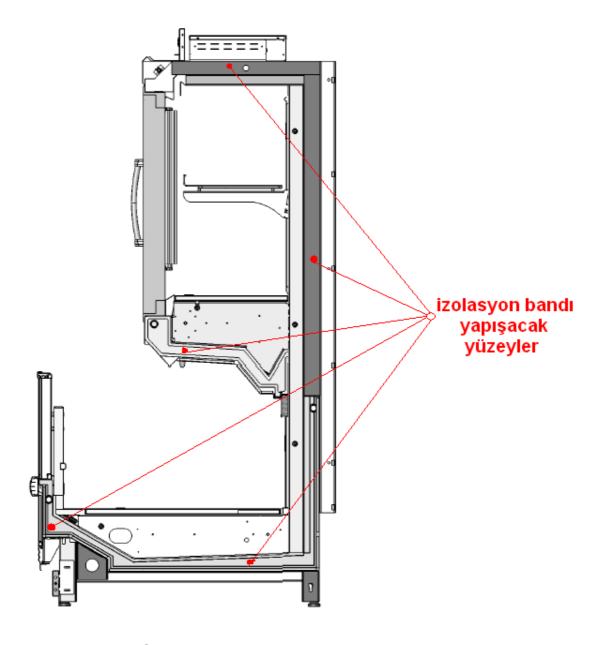
Şekil 14



> Assembling the Endwalls

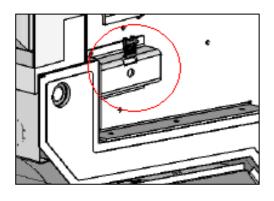
For being able to connecting endwalls, first of all stick the isolation tape to the panel plastic and to the body polyurethane supporter. (The surfaces that isolation tape must be sticked are shown in Diagram 13)

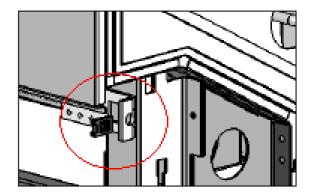
Place the sheet nuts to the sockets as it is shown in Diagram 14. Bring the connection holes on the endwall and the connection components on the refrigerator same level. Tighten the nuts with screw. (Diagram 15) Attach the plastic cover to the holes.



Şekil 13





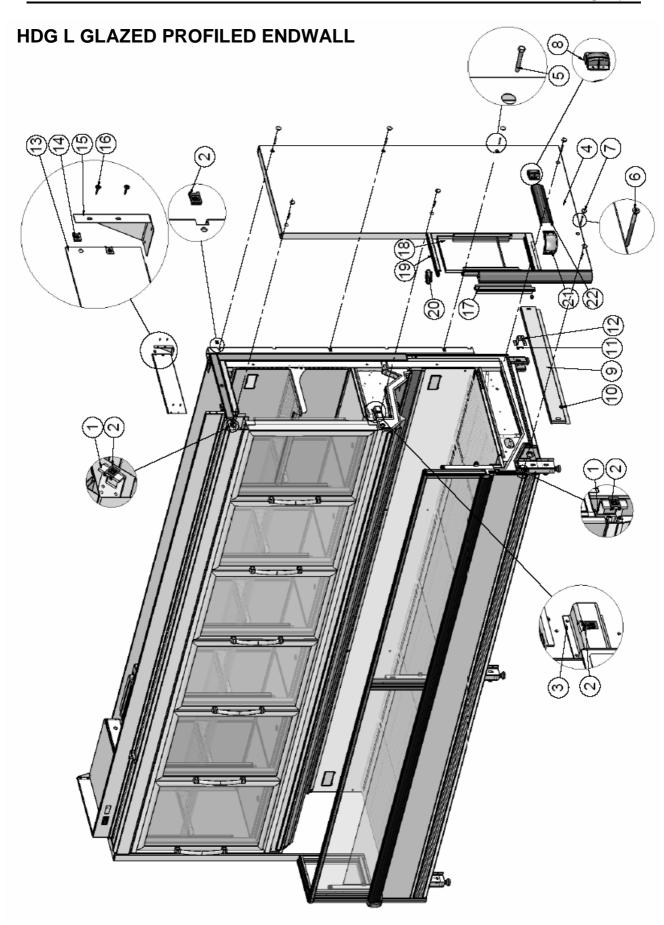


Şekil 14 Şekil 15

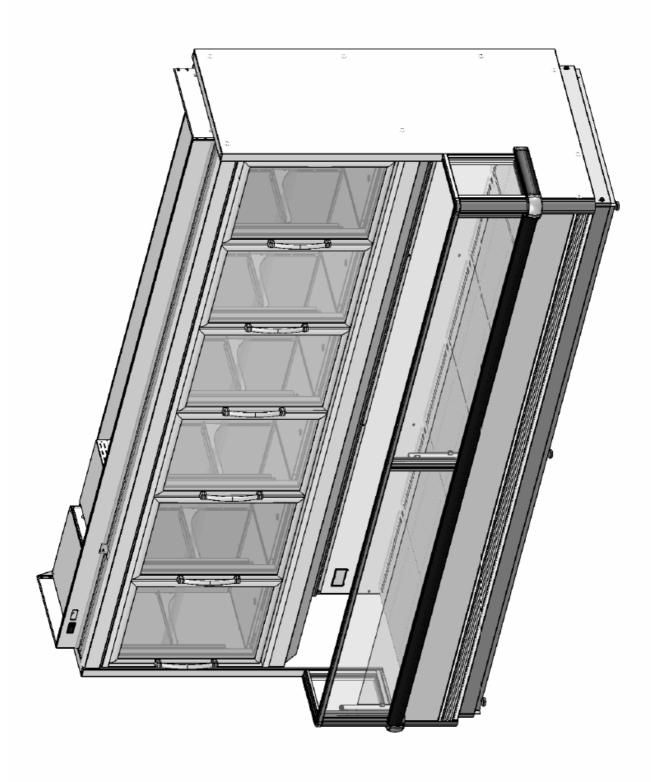
The connection equipments that will be used for assembling the endwalls are shown in diagram below.

Poz	Parça adı	Kullanım miktarı
No		
1	Yan bağlantı sacı	Ürün üzerinde
2	Dolap bağlantı somunu Ø6.3x45	6
3	Baltic özel yan bağlantı sacı	Ürün üzerinde
4	Dolap yanı (sağ veya sol)	1
5	Vida sac 6k M6.3x45 Wurth	5
6	Ø 6 x 80 ağaç vidası	2
7	Beyaz plastik tapa	1
8	Tampon sonu	2
9	Baza topuzu	1
10	Yan baza	1
11	M6 özel somun	1
12	Yan baza bağlantı sacı	2
13	Taç sacı yan	1
14	Sac somunu 3,9 Wurth	2
15	Taç sacı yan destek (sağ veya sol)	1
16	Vida YSB 3,9x16	2
17	Deep freze cam yan profili	3
18	Deep Freze yan ısı cam	1
19	Deep Freze cam üst profili	1
20	Deep freze köşe dikme plastiği üst kapak (dar)	1
21	Deep freze köşe dikme plastik tampon	1
22	Deep freze tampon plastik profili	1











9. Kickplate Assembly

Kickplate is such an equipment that is located under the lower decor which covers the legs of refrigerator. . Kickplate is connected to the refrigerator leg by kickplate mace. Assemble the kickplate to the kickplate connection sheets which are located on the pillar legs as shown in Diagrams below.

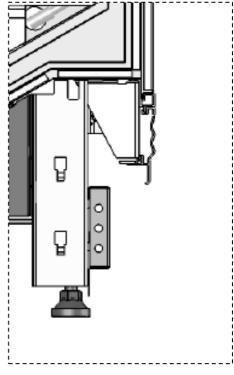


Şekil 15





Şekil 18

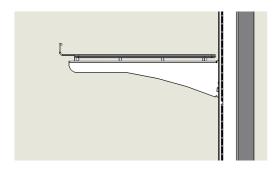


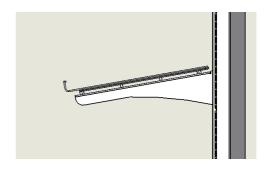
Kesit yan görünüş



10. Assembling the Shelf Bracket and Shelf

Shelf bracket is tied to back grill which is tied on the refrigerator pillar. Shelf bracket carries the refrigerator shelf. Attach the shelf bracket's upper nails on to the holes on the pillar. After you assembled the upper nails, attach the middle and lower nails. After you attached the nails on to the pillar, press on the brackets and make the nails fit well with the pillar. The nails which you attached on the pillar designates the angle of the shelf. (Diagram 20-21)

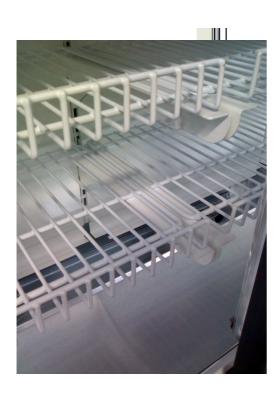


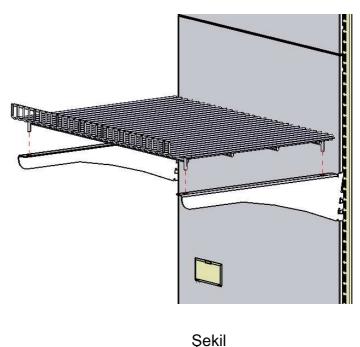


(Şekil 20) 0° raf konumu

(Şekil 21) 10° raf konumu

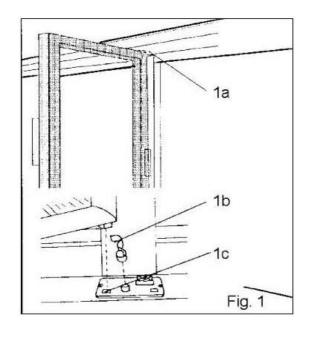
For placing the shelf locate it between both brackets and release it on to the brackets (Diagram 22)

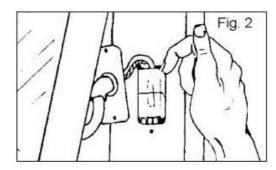


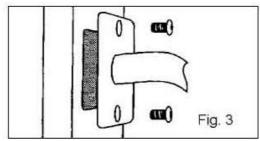




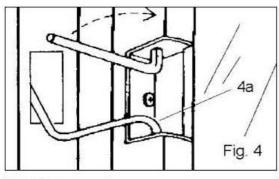
DOOR INSTALLATION REVERSIBLE DOOR

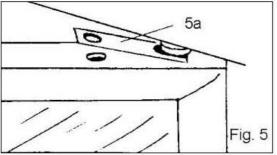






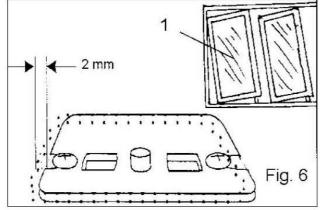
- 1. Lift door into frame to engage top door hinge pin into frame (1a).
- 2. Rest door on bottom of frame. Plug in door plug into frame and press it into the frame (2). Fasten cover plate where door cord exits (3).
- 3. Place door hold-open spring (1b) on mounting plate pin. Put door on hinge plate so that door pin fits into hole (1c). Swing door open or closed to drop door into proper position. Attention! Check that cable runs smoothly in door profile (4a).





- 4. Adjust door closing tension by inserting an allen key (art No. 711301) into frame hole and rotate tool approx. three "clicks". Proper tension is achieved when door is opened approx. 20mm. and then closes by itself when released.
- 5. Screw on lock plate (5a) on top of door. It is important that this is done, in order to lock door safely in frame.





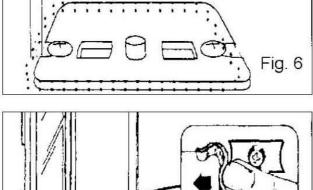


Fig. 7

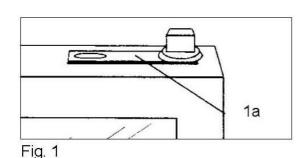
6. After installation, if door appears to sag (1), unscrew screws on bottom mounting plate and adjust it to desired position. Bottom plate can be moved 2mm. in each direction.

Attention! Screws must be tightened even if bottom plate has not been adjust.

DOOR HOLD-OPEN RETAINER

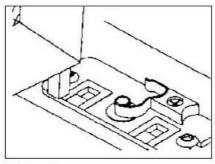
Attention! To keep door in open position, open door fully and push hold-open retainer, according to fig. To release, close door.

DOOR DISASSEMBLY



1. Disconnect from power source. Open door and remove lock plate (1a, fig1).

- 2. Lift door up and out to disengage bottom door pin from mounting plate and rest door on bottom of frame. (fig 2)
- 3. Remove cover plate for door cable and disconnect electrical cord. (fig 3)





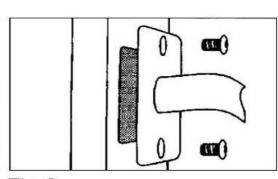
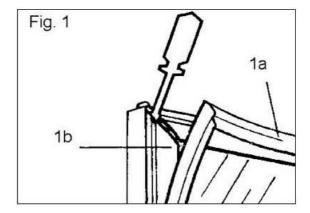


Fig. 3

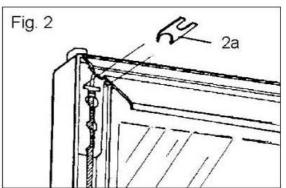


DOOR SPRING REPLACEMENT

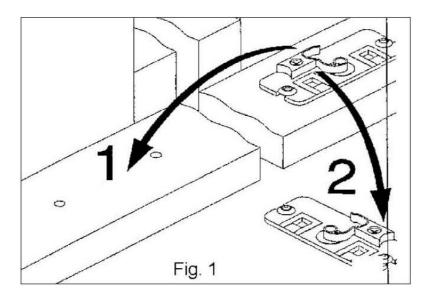
1. Disconnect frame from power source. Remove door as shown in "Door disassembly". Remove magnetic gasket (1a) by starting on the upper corner and work your way down. Remove plastic cover (1b) with a screw driver, starting in the upper corner. If plastic cover is damaged it has to be replaced.

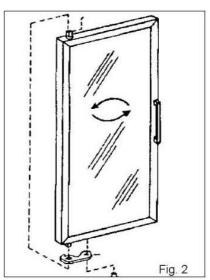


- 2. Remove locking pin (2a).
- 3. Replace spring mechanism (see page 10) Refit plastic cover by using a rubber hammer to get it into position properly. Use your finger to press magnetic gasket back into position. Reinstall door according to "Door installation".



DOOR HINGE CONVERSION



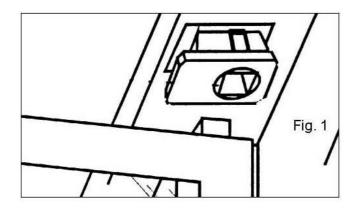


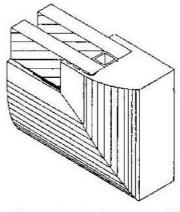
- 1. Disconnect frame from power source. Remove door according to "Door disassembly".
- 2. Remove door stop plate from bottom of door to opposite side, so that straight side of door stop plate faces front of door, fig 2.
- 3. Remove mountaing plate and protection plate and attach them on opposite side (1:1). Place hold open assembly on opposite side of mounting plate (1:2) Reinstall door according to "Door installation".



REPLACING PLASTIC BUSHING

- 1. Remove door from frame.
- 2. How to replace plastic bushing is depending on type of door profile. If door profile is curved, hole of bushing should be placed outwards (fig 1a).
- 3. Remove hinge bushing with a screw driver. Install new bushing.
- 4. Reinstall door.





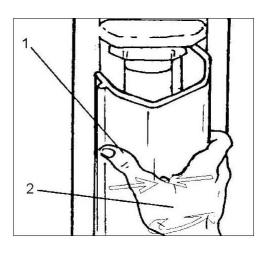
Standard door profile

REPLACING LIGHTING

Schott Termoform standard lingting

- 1. Press together lamp cover and twist outwards.
- 2. Twist light tube 90° clockwise or counter clockwise and remove it. Put in new light tube and reinstall lamp cover.

Attention! It is important that cover fits tightly against the aluminium profile. If air leaks in, light tube efficiency decreases.





11. Electricity Connection

Details below must be examined while making the electricity connections.

Attention!! Examine the definition stickers, informations and electricity diagrams on the product guide before making the electric connections.

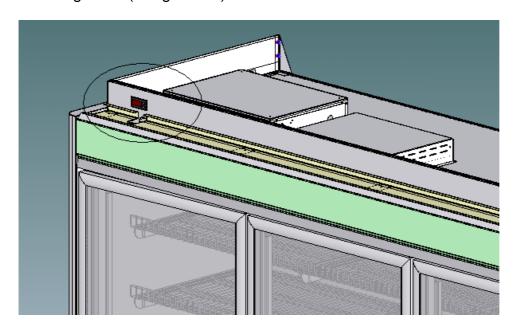
- Protective automatic key and main power switch must be used against electric current on the refrigerator.
- Users must know where the key is kept in case of an emergency
- Electric systems must be grounded.
- Maximum voltage difference must be guarantied at %+-6.
- The thickness of the cable on the energy line must be at least 2,5 mm2 and must put up with high current
- The cable of energy line must not be longer than 4-5m, depends on the conditions if cable length increases the cable cross-section must be increased too.
- For making the refrigerator works regularly, be sure you obtained the heat and the damp values which are regarded at EN441 and be sure the climate class is 3.

The personnel who will interfere to the refrigerator must have electricity certificate.



12. Heat Control

Heat control is operated by the digital thermostat which is Assembled to the upstand on the refrigerator.(Diagram 23)



Şekil 23

Important: Maximum 3 units of cabinet's control must be obtained with a pilot module.

PILOT CABINET

1. ADD-ON
CABINET

PILOT CABINET

1. ADD-ON
CABINET

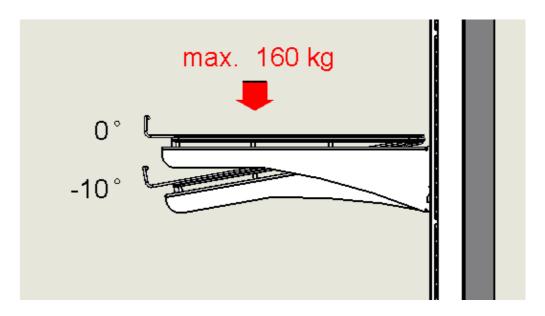
2. ADD-ON
CABINET



13. Loading Goods

These important rules must be followed while the refrigerator is loading.

- Locate the goods to the shelves tidy. Maximum loading limit is approximately 160 kg. on a shelf. Do not load over 160 kg.
- Shelves can be adjusted in different angles. (0°,10°) (Diagram 24)



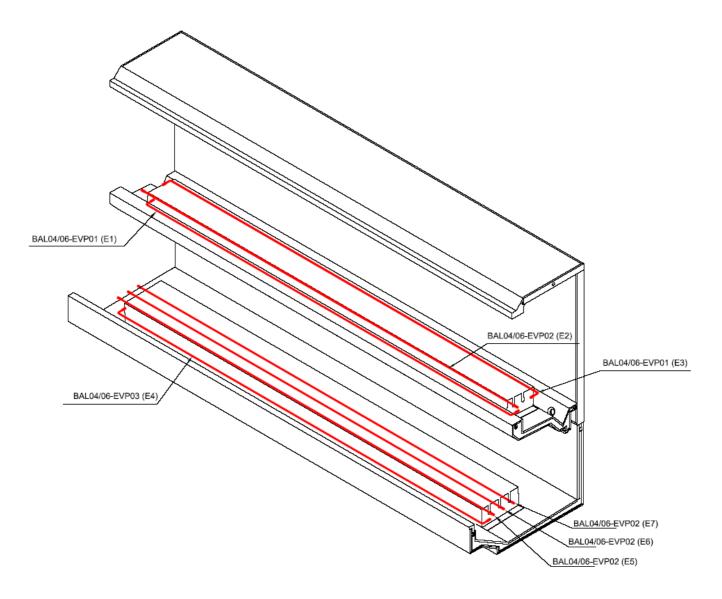
Şekil 24

- For being able to load the refrigerator fully adjust the goods and do not leave empty spaces
- Leave at least 30mm space between the loaded goods and the shelves.
- Make the loading as the same product which is loaded firstly would always be loaded.
- Do not load any goods to the refrigerator except the refrigerator's shelves and base displates.



14. Defrost and Drainage

Defrosting is obtained by resistance at Baltic refrigerator





Sending the defrost water out;

- Make the base connection with the refrigerator's drenaige piece.
- Prepare the water siphon an connect it to the water way

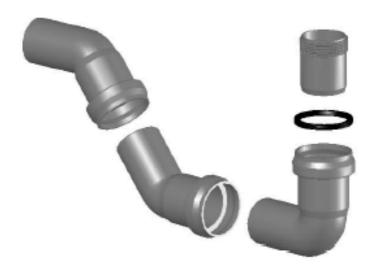
Way to prepare the water emptying system (Diagram 25, 26 ve 27),







Şekil 26



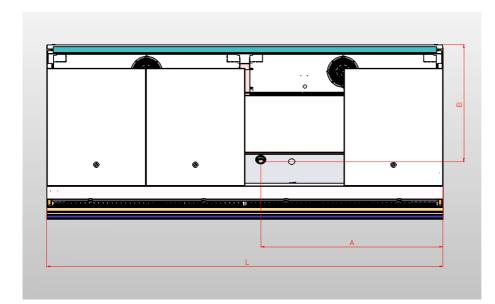
Şekil 27

- There must be some water placed as much as it fills the water emptying siphon before the refrigerator's first working attemp is made.



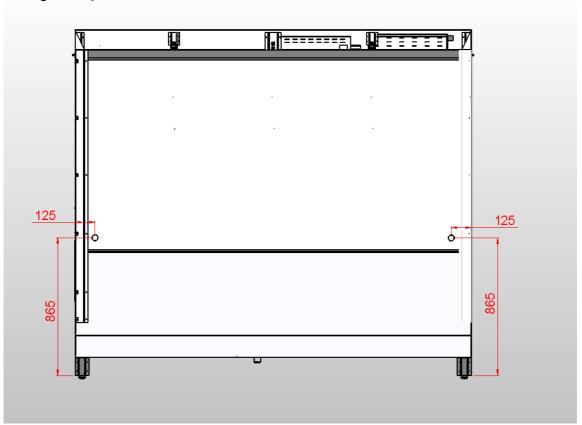
These procedures prevent the bad smell of refrigerator, avoiding of cold weather and also prevent refrigerator perspiration. The drenaige places of the refrigerator as to module is shown below.

Baltic lower body drainage location; üst görünüş



MODÜL (L)	2500	3750
A (mm)	1150	1775
B (mm)	740	740

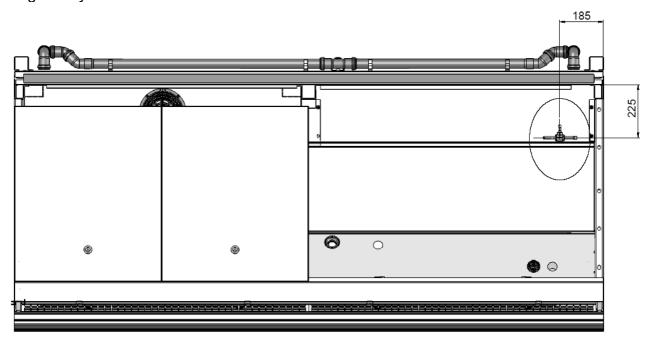
Baltic upper body drainage location; arka görünüş





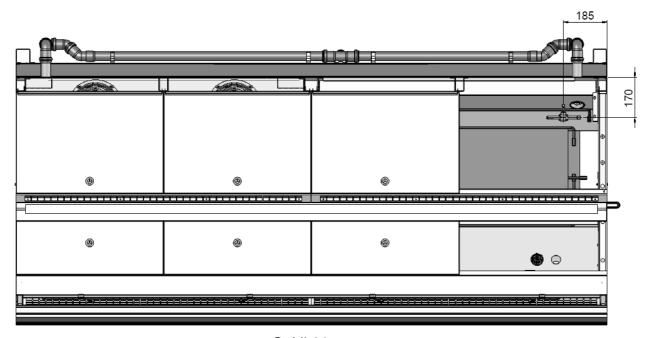
15. Valve Location

The valve on the Arctic refrigerator is located on right part of the refrigerator behind the evaporator near the fan sheet just as it is shown on Diagram 28 and 29. Baltic lower body electronical valve location; üst görünüş



Şekil 28

Baltic lower body electronical valve location; üst görünüş



Şekil 29



16. Care, Cleaning and Technical Service

Attention!! Make sure there is no electricity connection or the main power switch is turned off, before attempting any care and cleaning activities

It is a must for you to materialize your refrigerator's care and cleaning activities periodically. Cleaning section must be done by the users, such as cleaning the inner and outer surfaces of the refrigerators.

Before you start cleaning your refrigerator turn off the cooling and illumination keys. Remove the goods inside the refrigerator to somewhere else during the cleaning activity where the goods would not spoil. Do not remove the base displates during the cleaning. Cleaning of the refrigerator must be done just as written below.

Do not use alcohol during the cleaning

Use gloves for protecting your hands during the whole cleaning

First step cleaning

After taking the delivery of:

- Be sure the package is not damaged
- Unpack the refrigerator without harming it
- Be sure all the pieces are undamaged and packed well.
- Apply the steps or cleaning the refrigerator
- Make contact with the provider company about any damage.
- Cleaning the outer pieces (Daily/Weekly))
- Clean the outer pieces of the refrigerator once a week with detergent and soap.
- Clean with soft gland and pure water.
- > > Do not use any matterials or solvent that could damage the outer surface.
- Do not contact the parts which are related with electricity with water or detergent.
- Do not use alcohol for cleaning the plexiglass.
 - Cleaning the iner pieces (Monthly)

The reason of cleaning the iner side of the refrigerator is preventing the constitution of micro ornasisms so that the foods would be protected more efficiently.

- Remove all the foods inside.
- Cut the electricity connection or turn off the main power switch.

Disassemble all the piece that could be dissassembled. For exapmle base tray, air return gril etc. Clean it with the hot chemical water and dry it.

- Clean the base trays carefully and pay attention to the unknown matterials do not contact with the fans
- Contact with the authorized service if any abnormal situation occurs.

Re-place all the refrigerator equipment that you've disassembled from the refrigerator after you've finished the cleaning and connect the refrigerator to the electricity. Turn on the illumination and cooling keys after you've finished cleaning your refrigerator.

P.S.: Be sure the fans, the illumination pieces, the electrical cables and the other equipments are dry.



Technical Service:

Please read the guide carefully. By this way the call center operator coul be more helpfull.

- Be sure the environmental heat and the moisure are not so different than the recommended values.
- Be sure the food packages do not connact with daylight directly.
- > Isolate the store's Windows against daylight.
- Do not point the spotlights on to the refrigerator directly.
- Do not let the air grills blocked.
- Use the refrigerator for only keeping the cooled goods.
- > Be sure the refrigerator cools constantly. Check on the refrigerator twice a day
- Load the refrigerator oas to loading limits, do not overload.
- > Empty the refrigerator immediately if any failure occurs.
- If any of the screws falls or if any of the lamp goes off change it immediately.
- > Check on the automatic defrost periodically.
- ➤ Be sure there is no abnormal water condensing, if so then contact with cooling technician immediately.
- Maket he periodical cares continual.

Cabinets coul give failure even you maket he cleaning and care activities. When you realize that the refrigerator doen not operate move as to the intructions below:

- Is cooling key switced on?
- Is everything normal at the cooling system's electricity box?
- Is there power?

If the answer of the question above are yes, then there is a problem with cabinet, with condensing unit or with installation. *Contact with the technical service*. Till the technical service arrives, remove all the goods in the refrigerator to somewhere else as soon as possible.

IN CASE OF GAS LEAK AND FIRE; Do not stay in the room if there is no air circulation. Plug off the refrigerator. DO NOT USE WATER TO PUT OUT THE FIRE. ONLY USE FIRE EXTINGUISHER.



17. Separating the pieces as to recycling

Every country provides the recycling by separating the refrigerator's pieces as to their local environmental laws.

Pieces that used for the refrigerator;

Painted sheets : Pillars, shelves, legs

• Copper, aluminium :Cooling circuit, electricity system ve ceiling

illumination

• Galvanize sheets :Lower panels, painted panels, simple pieces, shelves,

base trays

Polyurethan foam :Thermal injections

• Isicam :Glasses

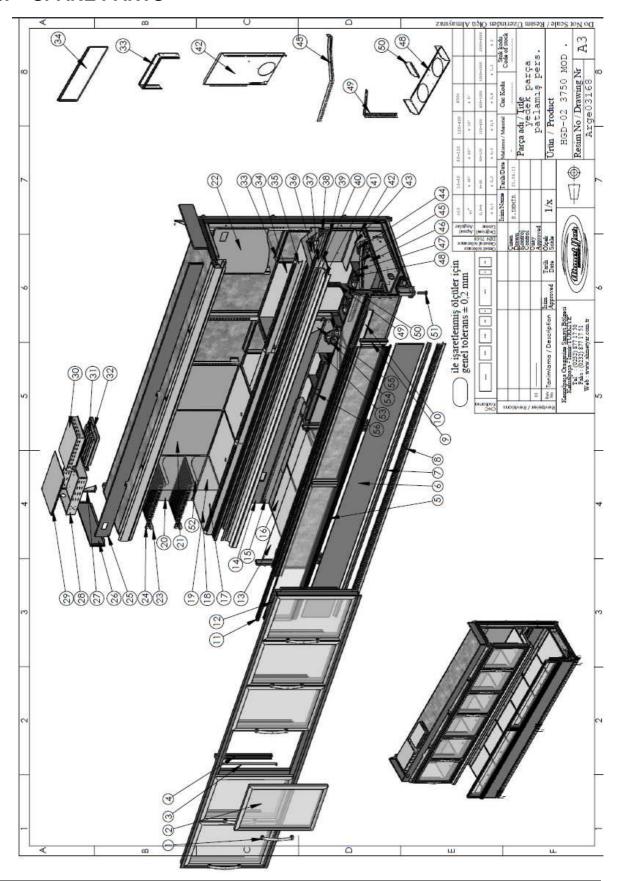
Wooden :Corners of the foamed bodies

• PVC :Bumper and plastics on the windows

Polistiren :Termoform endwallsPolikarbon :Lamp protection tubes



18. SPARE PARTS





HGD2 YEDEK PARÇA LİSTESİ

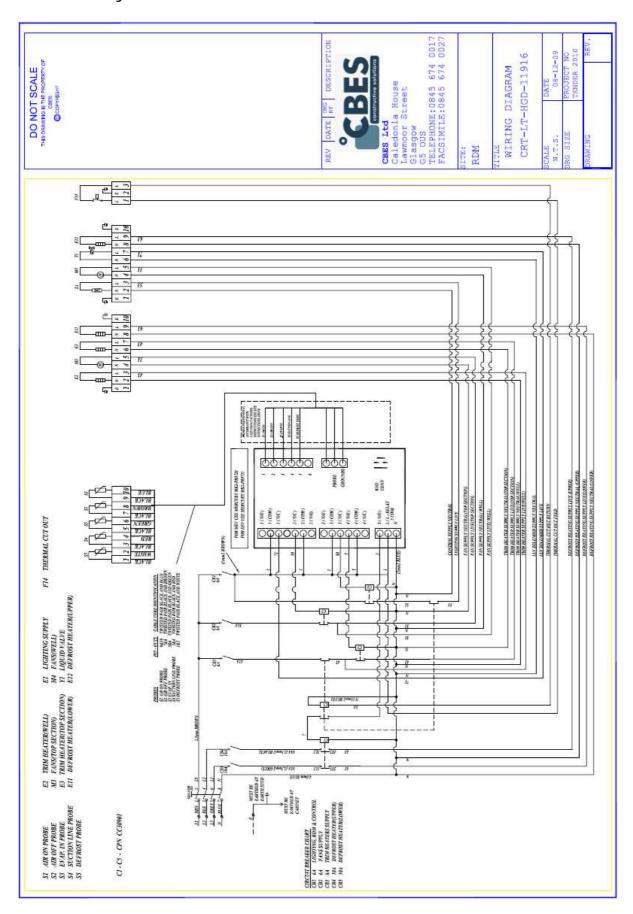
	HGDZ TEDEK PARÇA LIS	ILSI
NO	PARÇA ADI	STOK KODU
1	KAPI KULBU	
2	KAPI	
3	FLOROSAN	
4	FLOROSAN KAPAĞI	
5	TAMPON PLASTİĞİ	
6	DEKOR SACI	
7	ALT DEKOR ÜST ALÜMİNYUMU	
8	ALT DEKOR ALT ALÜMİNYUMU	
9	DEEPFREEZE CAM YAN PLASTİK PROFİLİ	
10	TAMPON TUTUCU ALÜMİNYUM PROFİL	
11	DEEPFREEZE CAM ÜST PLASTİK PROFİLİ	
	ÖN CAM	
13	İÇ CAM	
	ARKA TAVA OTURTMA ÜST SACI	
15	ARKA TAVA OTURTMA ALT SACI	
	ALT TAVA SACI	
	TAVA PLASTİĞİ	
18	ÜST TAVA SACI	
19	SİSTEM BÖLÜCÜ PLEKSİ	
	ARKA TEL SACI SOL	
	ARKA TEL SACI ORTA	
22	ARKA TEL SACI SAĞ	
	RAF KOLU SOL	
_	RAF TELİ	
25	TAÇ SACI	
	TAÇ SACI YAN	
27	TAÇ SACI YAN DESTEĞİ	
28	ELEKTRİK KUTUSU	
	ELEKTRİK KUTUSU KAPAĞI	
	BALAST KUTUSU KAPAĞI	
	BALAST	
32	BALAST KUTUSU ALT SACI	
	EMİŞ BYPASS SACI-3	
	ÜFLEME BYPASS SACI-2	
	ÜST BÖLÜM ÖN EMİŞ SACI	
	ORTA GÖVDE ALT KAPAMA SACI	
37	ORTA GÖVDE ÖN KAPAMA SACI	
	ARI PETEĞİ	
_	ARI PETEĞİ ALT BAĞLANTI SACI	
40	ORTA GOVDE ALT ETIKETLIK SACI	
41	ETİKETLİK PLASTİĞİ	
	FAN EMİŞ SACI-2 EMİŞ BYPASS SACI-2	
43	•	
_	FAN ÇEMBERÎ EMÎŞ DÎRENÇ SACI	
45 46	EVAP ÖRTME SACI	
40	EVAF ORTIVE SACI	



47	ÜFLEME FAN SACI KISA	
48	FAN KANADI	
49	ÜFLEME DİRENÇ SACI	
50	FAN DESTEK SACI	
51	AYAK VİDASI	
52	RAF KOLU SAĞ	
53	ÜFLEME FAN SACI UZUN	
54	FAN MOTORU	
55	ARKA İÇ HAVA DAĞITICI SACI	
56	ÜFLEME BYPASS SACI	



19. Elektrik şemaları



ISSUE: 24.09.2011

	CAREL PARAM	METERS	ISLAND	WALL	COMBI	UPRIGHT	COUNTER	MULTIDECK
/Pro (Prob	parameters)		•					
/2	Measurement stability		4	4	4	4	4	4
	Virtual Prob: Blowing and suction probes rates for regulation							
/4	0= Blow probe		100	100	100	50	50	50
	100= Suction probe							
/5	ºC or ºF selection		0	0	0	0	0	0
/3	0=°C, 1=°F		U	U	U	U	0	U
	Decimal		1	1	1	1	1	1
/6	0=active,		_	_				_
	1= inactive							
	Virtual probe regulation rate to calculate glass temperature 0= Blow probe 100= Suction probe							
rHS				20	20	20	20	20
	Are signals and alarms viewed in non-button terminal?		0	0	0	0	0	0
/t	0= inactive		Ŭ	Ŭ	Ŭ			ŭ
	1= active							
	probe to be viewed in button terminal							
	0 = Terminal inactive	8 =Serial probe 8						
	1 = Probe 1	9 =Serial probe 9						
	2 = Probe 2	10 =Serial probe 10						
/t1	3 = Probe 3	11 =Serial probe 11	12	12	12	12	12	12
	4 = Probe 4	12 = Control probe]					
	5 = Probe 5	13 = Virtual probe						
	6 = Probe 6	14 = Set point]					
	7 = Probe 7							
	probe to be viewed in non-button terminal							
	0 = Terminal inactive	8 =Serial probe 8]					
	1 = Probe 1	9 =Serial probe 9]					
	2 = Probe 2	10 =Serial probe 10	[
/t2	3 = Probe 3	11 =Serial probe 11	12	12	12	12	12	12
	4 = Probe 4	12 = Control probe						
	5 = Probe 5	13 = Virtual probe						
	6 = Probe 6	14 = Set point						
	7 = Probe 7							

	CAREL PARA	METERS	ISLAND	WALL	COMBI	UPRIGHT	COUNTER	MULTIDECK
	button/non-button terminal configuration							
	Button terminal	Non-button terminal						
/to	0 Yes	yes	3	3	3	3	3	3
/10	1 optional	yes		3		3		'
	2 Yes	optional						
	3 optional	optional						
	S1 ,S2 , S3 (Group 1) probe type]					
	0 = NTC Standard Range -50T90°C]					
/P1	1 = PTC Standard Range -50T150°C		0	0	0	0	0	0
	2 = PT1000 Standard Range -50T150°C							
	3 = NTCL243 Standard Range -50T90°C							
	S4 ,S5 (Group2) probe type						1	
	0 = NTC Standard Range -50T90°C							
/P2	1 = PTC Standard Range -50T150°C		0	0	0	0	0	0
	2 = PT1000 Standard Range -50T150°C							
	3 = NTCL243 Standard Range -50T90°C							
	S6 (Group3) probe type		ļ					
	0 = NTC Standard Range -50T90°C							
/P3	1 = PTC Standard Range -50T150°C		4	4	4	4	4	4
"	2 = PT1000 Standard Range -50T150°C							
	3 = NTCL243 Standard Range -50T90°C							
	4 = 0 to 5V ratiometric pressure transmitter							
	S7, (Group4) probe type							
	0 = NTC Standard Range -50T90°C							
	1 = PTC Standard Range -50T150°C							
/P4	2 = PT1000 Standard Range -50T150°C		0	0	0	0	0	0
'''	3 = NTCL243 Standard Range -50T90°C							
	4 = 0 to 5V ratiometric pressure transmitter							
	5 = 0 to 10 V input							
	6 = 4 to 20 mA input							
/P5	S8 den S11 e (Group5) serial problar probe type		0	0	0	0	0	0

	CAREL PARAM	IETERS	ISLAND	WALL	COMBI	UPRIGHT	COUNTER	MULTIDECK
	Sm Blow probe connection point							
	0 = Function inactive	6 = Probe S6						
	1 = Probe S1	7 = Probe S7						1
/FA	2 = Probe S2	8 = Serial probe S8	1	1	1	1	1	1
	3 = Probe S3	9 = Serial probe S9						
	4 = Probe S4	10 = Serial probe S10						
	5 = Probe S5	11 = Serial probe S11						
/Fb	See Sd defrost probe connection point/FA parameter probe list		2	2	2	2	2	2
/Fc	See Sr Suction probe connetion point /FA parameter probe list		3	3	3	3	3	3
/Fd	See tGS superheat temperature sensor connection point /FA param	meter probe list	4	4	4	4	4	4
/FE	See Peu/tEu superheat pressure transmitter connection point /FA	parameter probe list	6	6	6	6	6	6
/FF	See Sd2 2. evaporator defrost probe connection point /FA parame	ter probe list	5	0	0	0	0	0
/FG	See Saux1 auxiliary temperature probe connection point /FA para	meter probe list	0	0	0	0	0	0
/FH	See Saux2 auxiliary temperature probe connection point /FA para	meter probe list	0	0	0	0	0	0
/FI	See SA ambient temperature probe connection point /FA paramet	er probe list	0	0	0	0	0	0
/FL	See SU ambient moisture probe connection point /FA parameter p	probe list	0	0	0	0	0	0
/FM	See Svt glass temperature probe connection point /FA parameter	probe list	0	0	0	0	0	0
	See Sdp dewing point serial probe connection point							
/Fn	0 = Function inactive	3 = Serial probe S10	0	0	0	0	0	0
''''	1 = Serial probe S8	4 = Serial probe S11		0	U	U	U	
	2 = Serial probe S9							
/c1	Probe 1 calibration. If pushed twice, shows the value read by the p	probe	0	0	0	0	0	0
/c2	Probe 2 calibration. If pushed twice, shows the value read by the p		0	0	0	0	0	0
/c3	Probe 3 calibration. If pushed twice, shows the value read by the p	probe	0	0	0	0	0	0
/c4	Probe 4 calibration. If pushed twice, shows the value read by the p	probe	0	0	0	0	0	0
/c5	Probe 5 calibration. If pushed twice, shows the value read by the p		0	0	0	0	0	0
/c6	Probe 6 calibration. If pushed twice, shows the value read by the p	robe	0	0	0	0	0	0
/c7	Probe 7 calibration. If pushed twice, shows the value read by the p	robe	0	0	0	0	0	0
/U6	Probe 6 maximum scale value		9.3	9.3	9.3	9.3	9.3	9.3
/L6	Probe 6 minimum scale value		-1	-1	-1	-1	-1	-1
/U7	Probe 7 maximum scale value		9.3	9.3	9.3	9.3	9.3	9.3
/L7	Probe 7 minimum scale value		-1.0	-1.0	-1.0	-1.0	-1.0	-1.0

	CAREL PARAM	METERS	ISLAND FREEZER	WALL FREEZER	COMBI	UPRIGHT FREEZER	COUNTER	MULTIDECK
CtL (Contro	1)							
OFF	ON/OFF control unit on-off		0	0	0	0	0	0
	0 = ON; 1 = OFF;							
St	Set point		-20	-20	-20	-20	0	2
St2	Double thermostate control suction set value		50	50	50	50	50	50
rd	St set value difference		2	2	2	2	2	2
rd2	Double thermostate control suction set value difference		0	0	0	0	0	0
102	0.0 = Function inactive		Ŭ					Ŭ
r1	Allowed minimum set value		-24	-24	-24	-24	-4	-4
r2	Allowed maximum set value		-18	-18	-18	-18	4	4
r3	Defrost warning activation ending in time		0	0	0	0	0	0
	0 = inactive, 1 = active							Ů
r4	Automatic night set point		0	0	0	0	0	0
	Will minimum and maximum temperatures be kept to which prob							
	0 = Monitoring inactive	6 = superheat temperature probe(tGS)						
	1 = Control probe (Sreg)	7 = saturated evaporation temperature probe (tEu)						
r5	2 = virtual probe (Sv)	8 = auxiliary defrost probe (Sd2)	1	1	1	1	1	1
	3 = Blow probe (Sm)	9 = auxiliary probe (Saux)						
	4 = defrost probe (Sd)	10 = auxiliary probe 2 (Saux2)						
	5 = Suction probe (Sr)							
rt	Recorded min and max temperature monitoring time range		-	-	-	-	-	-
rH	Recorded max temperature		-	-	-	-	-	-
rL	Recorded min temperature		-	-	-	-	-	-
r6	Night Control probe		0	0	0	0	0	0
10	0 = virtual probe Sv; 1 = Suction probe Sr		Ü	U	U	U	0	U
ro	For Virtual Probe, probe error offset		0.0	0.0	0.0	0.0	0.0	0.0
r7	Master solenoid valve configuration		0	0	0	0	0	0
.,	0 = local valve ;1 = network valve (connected to the Master)				0	U		
rSu			0	0	0	0	0	0

	CAREL PARAM	ETERS	ISLAND	WALL	COMBI	UPRIGHT	COUNTER	MULTIDECK
CMP (compi	ressor)		•					
c0	Compressor and fan starting time delay		0	0	0	0	0	0
c1	Minimum time between successive start		0	0	0	0	0	0
c2	Compressor minimum OFF Time		0	0	0	0	0	0
c3	Compressor minimum ON Time		0	0	0	0	0	0
	Control probe error duty time. Compressor and solenoid outlet wo	rks for the time stated there						
c4	holds for 15 minutes and works again.		0	0	0	0	0	0
	0 = Compressor/valve always OFF; 100 = compressor/valve always	ON						
СС	Continuous cycle time		1	1	1	1	1	1
c6	Post-continuous cycle alarm by-pass		60	60	60	60	60	60
с7	Maximum pump down time		0	0	0	0	0	0
Def (defrost	:)							
	Defrost type							
	0 =temperature-based heater	4 =time and temperature-based heater defrost						
d0	1 = temperature-based hot gas	5 =temperature-based heater multiplied hotgas bypass	4	0	0	0	0	0
	2 = temperature-based heater	6 =time-based heater multiplied hotgas bypass						
	3 = time-based hot gas							
d2	Defrost-end synchronization by Master		1	1	1	1	1	1
uz	0 = unsynchronous; 1 = synchronous		1	1	1	1	1	1
dl	Time between defrosts		8	8	6	6	6	6
dt1	Defrost-end temperature, Evaporator Sd1		10	10	12	12	10	10
dt2	Defrost-end temperature, AUX Evaporator Sd2		10	10	12	12	10	10
dP1	Maximum Defrost time		35	35	40	45	45	45
dP2	Maximum Defrost time, AUX 2. Evaporator		35	35	40	45	45	45
	Initially defrost							
d4	0 = No initial defrost; 1 = inital defrost		0	0	0	0	0	0
	(Master = network defrost; Slave = local defrost)							
d5	Defrost time delay at the beginning if d4=1		0	0	0	0	0	0
us	0 = delay inactive		0	U	U	U	U	U
	Terminal indicator status during defrost							
d6	0 = Real temperature value and "dEF" flashes		2	2	2	2	2	2
l ub	1 = pre-defrost last temperature remains on the screen					2		
	2 = 'dEF' is viewed							
dd	Post-Defrost drip time		2	2	2	2	2	2
uu	0= No drip					۷		

defrost by-pass		CAREL PARAM	TETERS	ISLAND	WALL	COMBI	UPRIGHT	COUNTER	MULTIDECK										
Main Alarm delay following defrost and door opening 30 30 30 30 30 30 30 3	d7			0	0	0	0	0	0										
Status of compressor protection times in hotgas bypass 1	d8			30	30	30	30	30	30										
Sd1 Defrost Probe Value Sd2 Defrost Probe Value Second Evaporator defrost probe value Sd2 Second Evaporator defrost probe value Sd2 Second Evaporator defrost probe value Sd2 Second Evaporator defrost probe value Sd2 Second Evaporator defrost probe value Sd2 Second Evaporator defrost probe value Sd2 Second Evaporator defrost probe value Sd2 Second Evaporator defrost probe value Sd2 Second Evaporator defrost probe value Sd2 Second Evaporator defrost probe value Sd2																			
Sd1 Defrost Probe value	d9		d	1	1	1	1	1	1										
Defrost time basis O	Sd1			-	-	-	-	-	-										
dC 0 = dl hour,dP1,dP2 and ddP minute; 1 = dl minute,Dp2 and ddP second 0 <t< td=""><td>Sd2</td><td>Second Evaporator defrost probe value</td><td></td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></t<>	Sd2	Second Evaporator defrost probe value		-	-	-	-	-	-										
1 = dl minute,Dp2 and ddP second		Defrost time basis																	
Time for defrost based on lamel temperature 0	dC	0 = dl hour,dP1,dP2 and ddP minute;		0	0	0	0	0	0										
Compressor stop time for successive defrost (defrost starts when the did befrost time offset for Power defrost Compressor operation time for successive defrost (defrost starts when the did ly defrost based on td1 time zone Compressor ominute Compressor		1 = dl minute,Dp2 and ddP second																	
Definition inactive -30 -30 -30 -30 -30 -30 -30 -30 -30 -30	410	Time for defrost based on lamel temperature		0	0	0	0	0	0										
During Defrost, pressure transmitter alarm status probe failure failure in supervisor 0 inactive active active 1 active active active 2 inactive inactive inactive 0 0 0 0 0 0 0 0 0	uio	0 = Function inactive			U	U	U	U	U										
Defrost processor operation time for successive defrost (defrost starts when the substitute of the processor time for successive defrost (defrost starts when the substitute of the processor operation time for successive defrost (defrost starts when the substitute of the processor operation time for successive defrost (defrost starts when the substitute of the processor operation time for successive defrost (defrost starts when the substitute of the processor operation time for successive defrost (defrost starts when the substitute of the processor operation time for successive defrost (defrost starts when the substitute of the processor operation time for successive defrost (defrost starts when the substitute of the processor operation time for successive defrost starts when the substitute of the processor operation time for successive defrost starts when the substitute of the processor operation time for successive defrost defrost starts when the substitute of the processor operation time for successive defrost defrost starts when the substitute of the processor operation time for successive defrost defrost ends, or substitute of the processor operation time for successive defrost defrost ends, or substitute of the processor operation time for successive defrost defrost ends, or substitute of the processor operation time for successive defrost defrost ends, or substitute of the processor operation time for successive defrost defrost ends, or substitute of the processor operation time for successive defrost defrost ends, or substitute of the processor operation time for successive defrost defr	d11	Temperature-based defrost activation temperature threshold		-30	-30	-30	-30	-30	-30										
d12																			
active active 2 inactive inactive 3 active inactive Compressor stop time for successive defrost (when stops for this time, defrost ends, 0 = Function inactive) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			failure in supervisor	_				ı											
1 active active inactive inactive	d12	0 inactive	active	0	0	0	0	0	0										
Solution Solution			active]		O	O	O	0			· ·	O						
Compressor stop time for successive defrost (when stops for this time, defrost ends,						I		l											
Compressor operation time for successive defrost (defrost starts when the 120																			
d52 Compressor operation time for successive defrost (defrost starts when the 120	dS1		time, defrost ends,	0	0	0	0	0	0										
ddt Defrost end temperature offset for Power defrost 0.0<																			
ddp Defrost time offset for Power defrost 0 0 0 0 0 dn Nominal Defrost bypass time rate 75<		· · · · · · · · · · · · · · · · · · ·	when the																
dn Nominal Defrost bypass time rate 75																			
daily defrost based on td1 time zone 0 = inactive 8 = 3 hours 0 minute 1 = 24 hours 0 minute 9 = 2 hours 40 minutes 2 = 12 hours 0 minute 10 = 2 hours 24 minutes 3 = 8 hours 0 minute 11 = 2 hours 11 minutes 4 = 6 hours 0 minute 12 = 2 hours 0 minute 5 = 4 hours 48 minutes 13 = 1 hour 0 minute 6 = 4 hours 0 minute 14 = 30 minutes	<u> </u>																		
0 = inactive 8 = 3 hours 0 minute 1 = 24 hours 0 minute 9 = 2 hours 40 minutes 2 = 12 hours 0 minute 10 = 2 hours 24 minutes 3 = 8 hours 0 minute 11 = 2 hours 11 minutes 4 = 6 hours 0 minute 12 = 2 hours 0 minute 5 = 4 hours 48 minutes 13 = 1 hour 0 minute 6 = 4 hours 0 minute 14 = 30 minutes	dn			/5	/5	/5	/5	/5	/5										
1 = 24 hours 0 minute 9 = 2 hours 40 minutes 2 = 12 hours 0 minute 10 = 2 hours 24 minutes 3 = 8 hours 0 minute 11 = 2 hours 11 minutes 4 = 6 hours 0 minute 12 = 2 hours 0 minute 5 = 4 hours 48 minutes 13 = 1 hour 0 minute 6 = 4 hours 0 minute 14 = 30 minutes		·	0 2 h 2 m 2 0 m i 2 m i	-															
2 = 12 hours 0 minute				-															
d1S 3 = 8 hours 0 minute 11 = 2 hours 11 minutes 0				-															
4 = 6 hours 0 minute12 = 2 hours 0 minute5 = 4 hours 48 minutes13 = 1 hour 0 minute6 = 4 hours 0 minute14 = 30 minutes	410			0	0	0	0	0	0										
5 = 4 hours 48 minutes 13 = 1 hour 0 minute 6 = 4 hours 0 minute 14 = 30 minutes	uıs			1	U			0	0										
6 = 4 hours 0 minute 14 = 30 minutes				1															
				1															
			14 - 30 IIIIIIutes	1															

	CAREL PARA	METERS	ISLAND	WALL FREEZER	COMBI	UPRIGHT	COUNTER	MULTIDECK
d2S	see d1S parameter for td1 time zone daily defrosts		0	0	0	0	0	0
dH1	Pumpdown time		0	0	0	0	0	0
uni	0= pump down inactive		U	U	U	U	U	U
	Multiplied hot gas bypass type							
dHG	0 = Compensator valve is OFF usually		0	0	0	0	0	0
	1 = Compensator valve is ON usually							
ALM (Alarn								
	Determination of temperature probe for AH and AL alarms							
	1 = control (sreg)	8 = auxiliary defrost probe (Sd2)						
	2 = virtual (Sv)	9 = auxiliary probe (Saux)						
AA	3 = blow (Sm)	10 = auxiliary probe 2 (Saux2)	1	1	1	1	1	1
'"	4 = defrost (Sd)	11 = ortam sıcaklığı (SA)		_	_	_	_	_
	5 = suction (Sr)	12 = ortam nemi (SU)						
	6 = superheat temperature probe(tGS)	13 = cam sıcaklıklığı (Syt)						
	7 =SH pressure transmitter temperature equivalence (tEu)	14 = çiğlenme noktası (SdP)						
AA2	Determination of temperature probe for AH2 and AL2 alarms co	ntrol AA parameter	5	5	5	5	5	5
A0	Low and high temperature alarm difference		2.0	2.0	2.0	2.0	2.0	2.0
	Threshold type for AL and AH 1. Alarm delays							
A1	0 = relative AL and AH set value		0	0	0	0	0	0
	1 = absolute AL and AH absolute values							
	Threshold type for AL2 and AH2 2. Alarm delays							
A2	0 = relative AL and AH set value		0	0	0	0	0	0
	1 = absolute AL and AH finite values							
AL	Low temperature 1. alarm threshold		4	4	4	4	4	4
AH	High temperature 1. alarm threshold		5	5	5	5	5	5
AL2	Low temperature 2. alarm threshold		0	0	0	0	0	0
AH2	High Temperature 2. alarm threshold		0	0	0	0	0	0
Ad	Low and high temperature alarm alarm delay		15	15	15	15	15	15
	ID1 digital input configuration in S4 input							
	0 = input is not active	5 = kapı switci konfigürasyonu kompresör ve fanlar OFF						
A4	1 = momentary external alarm	6 = uzaktan ON/OFF	0	0	0	0	0	0
^4	2 = delayed external alarm	7 = perde switchi		U			0	
	3 = defrost activation	8 = sürekli çevrim başlama / durma						
	4 = defrost starting	9 = ışık sensörü						

	CAREL PARAMETERS	ISLAND	WALL FREEZER	COMBI	UPRIGHT	COUNTER	MULTIDECK
A5	ID2 digital input configuration in S5 input, see the list in A4 parameter	0	0	0	0	0	0
	In the event of external alarm, solenoid/compressor working times. Compressor and solenoid						
A6	ID2 digital input configuration in S5 input, see the list in A4 parameter In the event of external alarm, solenoid/compressor working times. Compressor and solenoid work for this time, stop for 15 minutes and work againn. O = Compressor/valve always OFF; 100 = compressor/valve always ON Time delay for delayed external alarm Virtual digital input configuration see the list in A4 parameter Digital input selection transferred from master to slave O = supervisor 3 = D13 1 = D11 4 = D14 2 = D12 5 = D15 ID3 digital input configuration in S6 input see the list in A4 parameter Id4 digital input configuration in S7 input, see the list in A4 parameter Id4 digital input configuration in D15 input, see the list in A4 parameter Id4 digital input configuration in D15 input, see the list in A4 parameter Id4 digital input configuration in D15 input, see the list in A4 parameter Id4 digital input configuration in D5 input, see the list in A4 parameter Id4 digital input configuration in D5 input, see the list in A4 parameter Id4 digital input configuration in D5 input, see the list in A4 parameter Id4 digital input configuration in D5 input, see the list in A4 parameter Id4 digital input configuration in D5 input, see the list in A4 parameter Id4 digital input configuration in D5 input, see the list in A4 parameter Id4 digital input configuration in D5 input, see the list in A4 parameter Id4 digital input configuration in D5 input, see the list in A4 parameter Id4 digital input configuration in D5 input, see the list in A4 parameter Id4 digital input configuration in D5 input, see the list in A4 parameter Id4 digital input configuration in D5 input, see the list in A4 parameter Id4 digital input configuration in D5 input, see the list in A4 parameter Id4 digital input configuration in D5 input, see the list in A4 parameter Id4 digital input configuration in D5 input, see the list in A4 parameter Id4 digital input configuration in D6 input, see the list in A4 paramet		0	0	0	0	0
	0 = Compressor/valve always OFF; 100 = compressor/valve always ON	1					
A7	Time delay for delayed external alarm	0	0	0	0	0	0
A8	Virtual digital input configuration see the list in A4 parameter	0	0	0	0	0	0
	Digital input selection transferred from master to slave						
A09	0 = supervisor 3 = D13	0	0	0	0	0	0
A03	1 = D11 4 = D14]			U	U	
	2 = D12 5 = D15						
A10	ID3 digital input configuration in S6 input see the list in A4 parameter	0	0	0	0	0	0
A11		0	0	0	0	0	0
A12	Digital input configuration in DI5 input, see the list in A4 parameter	0	0	0	0	0	0
Ar		1	1	1	1	1	1
					_		_
	When slaves are offline, hotgas bypass procedure	1					
A13	0 = inactive	0	0	0	0	0	0
	1 = active						
Fan (Evapor	rator fans)						
	Evaporator fan management]					
F0	0 = always ON	0	0	0	0	0	0
'	· · ·	J			U	U	
	2 =Activation Sd defrost probe						
F1		-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
		1					1 1
F2		0	0	0	0	0	0
		_					
F3		0	0	1	1	0	0
	1 = fans stop						
Fd	Post-defrost drip fan waiting time	2	2	2	2	2	2
Frd	Fan activation difference (including variable speed fans)	2.0	2.0	2.0	2.0	2.0	2.0
F5	Evaporator fan stop threshold (difference 1C)	50.0	50.0	50.0	50.0	50.0	50.0
F6	Maximum Evaporator fan speed	100	100	100	100	100	100

	CAREL PARAMETERS	ISLAND	WALL	COMBI	UPRIGHT	COUNTER	MULTIDECK
F7	Minimum Evaporator fan speed	0	0	0	0	0	0
F8	Evaporator fan peak time 0 = Function inactive	0	0	0	0	0	0
F9	PWM1/' fan control output selection (by phase-break) 0 = pulse 1 = time-dependant	1	1	1	1	1	1
F10	Time of working of evaporator fans at maximum speed 0 = Function inactive	0	0	0	0	0	0
Eud (Electro		•		L			
P1	Electronic valve 0 = not used 1 = PWM valve 2 = CAREL E2V valve	2	2	2	2	2	2
Р3	Superheat Set point	10.0	10.0	10.0	10.0	10.0	10.0
P4	Proportional rate	15.0	15.0	15.0	15.0	15.0	15.0
P5	Integration rate (Integral factor) 0 = Function inactive	150	150	150	150	150	150
Р6	Derivative rate 0 = Function inactive	5.0	5.0	5.0	5.0	5.0	5.0
P7	LowSH: low superheat threshold	7.0	7.0	7.0	7.0	7.0	7.0
P8	LowSH: low superheat integral time 0 = Function inactive	15.0	15.0	15.0	15.0	15.0	15.0
Р9	LowSH: düşük superheat alarm gecikmesi 0 = alarm inactive	600	600	600	600	600	600
P10	Will solenoid valve be OFF in the event of low superheat or low suction temperature? 1 = OFF is active	0	0	0	0	0	0
P11	LSA: low evaporation temperature alarm	-45.0	-45.0	-45.0	-45.0	-45.0	-45.0
P12	LSA: alarm delay 0 = alarm inactive	600	600	600	600	600	600
P13	LSA: alarm difference (C) 0 = reset the alarm all the time automatically	10.0	10.0	10.0	10.0	10.0	10.0
P14	('blo') alarm signal activation 1= blo alarm is active	1	1	1	1	1	1
P15	Complementary temperature acceptance value in the event of Superheat pressure	-30	-30	-30	-12	-12	-12

	CAREL PARAMETERS	ISLAND	WALL FREEZER	COMBI	UPRIGHT FREEZER	COUNTER	MULTIDECK
	Gas type						
	1 = R22 8 = R600						
	2 = R134a 9 = R600a						
PH	3 = R404A	3	3	3	3	3	3
	4 = R407C						
	5 = R410A	ļ					
	6 = R507A						
-	7 = R290						
OSH	Superheat offset for modulation thermostate	0.0	0.0	0.0	0.0	0.0	0.0
-	0 = Function inactive						
Phr	Fast updating of valve parameters by the supervisor	0	0	0	0	0	0
PM1	0 = fast update is inactive	50.0	50.0	50.0	50.0	50.0	50.0
PM2	MOP: Maximum evaporation pressure temperature value	10.0	10.0	10.0	10.0	10.0	10.0
PIVIZ	MOP: Integral time MOP: alarm delay	10.0	10.0	10.0	10.0	10.0	10.0
PM3	0 = Function is inactive	0	0	0	0	0	0
PM4	MOP: MOP function delay at the beginning	2	2	2	2	2	2
FIVI	MOP: activating solenoid valve shutting						
PM5	0 = OFF is inactive	0	0	0	0	0	0
FIVIS	1 = OFF is active		U	U	U	0	
PL1	LOP: Minimum evaporation pressure temperature value	-50.0	-50.0	-50.0	-50.0	-50.0	-50.0
PL2	LOP: Integral time	0.0	0.0	0.0	0.0	0.0	0.0
	LOP: alarm delay	0.0	0.0	0.0	0.0	0.0	0.0
PL3	0 = Functionis inactive	0	0	0	0	0	0
SH	Superheat value	_	_	-	_	_	_
PPU	valve ON rate	_	-	_	-	_	_
tGS	Superheat temperature sensor reading value	_	-	_	_	_	-
tEu	Superheat pressure sensor temperature value (value of the pressure equivalent to the temperature)	-	-	-	_	-	_
/cE	Saturated evaporation temperature calibration	0.0	0.0	0.0	0.0	0.0	0.0
Po6	PWM expansion valve T on/OFF period	6	6	6	6	6	6
cP1	Valve position when the control is ON	30	30	30	30	30	30
Pdd	Post-Defrost valve position	10	10	10	10	10	10
PSb	valve standby position	0	0	0	0	0	0
PF	valve opening stages	-	-	-	-	-	-

	CAREL PA	RAMETERS	ISLAND	WALL	COMBI	UPRIGHT	COUNTER	MULTIDECK													
	Electronic expansion valve manual operation activation																				
PMP	0 = inactive		0	0	0	0	0	0													
	1 = active																				
PMu	Manual valve position		-	-	-	-	-	-													
Phc	Large capacity valve activation		0	0	0	0	0	0													
Cnf (Config			-		•	•	•	•													
	MPXPRO Unit type																				
In	0 = Slave		1	1	1	1	1	1													
	1 = Master																				
	Number of slave in local network					_															
Sn	0 = No Slave		0	0	0	0	0	0													
НО	Supervisor and Master-Slave network adrdess		199	199	199	199	199	199													
	AUX1 output configuration																				
	0 = no function	7 = second Evaporator defrost output																			
	1 = alarm without energy normally	8 = Evaporator Fan output				1	l	8				1				1					
H1	2 = energy alarm normally	9 = Glass heater output	8		g.	8	8		8	8											
	3 = auxiliary output	10 = Suction valve	•	0	0	0	0														
	4 = auxiliary output shared by Master with slaves	11 = Compensation valve																			
	5 = Light output	12 = Solenoid valve																			
	6 = auxiliary output shared by Master with slaves																				
H2	Button set and remote control deactivation		1	1	1	1	1	1													
112	1 = Button set and remote control is active			_	_	1	_	_													
Н3	Remote control activation code		0	0	0	0	0	0													
113	0 =no remote control activation code		Ů	Ů	Ů	Ů	Ů	Ů													
H4	Buzzer activation		0	0	0	0	0	0													
	0 = active; 1 = inactive						Ů														
H5	Please see AUX2 output configuration H1 parameter		7	2	2	2	2	2													
Н6	Terminal button set locking configuration		0	0	0	0	0	0													
H7	Please see AUX3 output configuration H1 parameter		5	5	5	5	5	5													
	Output association with time bands H8 0 = Light																				
H8			0	0	0	0	0	0													
	1 = AUX																				

	CAREL PARAMETERS	ISLAND	WALL	COMBI	UPRIGHT	COUNTER	MULTIDECK
	Output association with AUX button						
Н9	0 = Light	0	0	0	0	0	0
	1 = AUX						
	Compressor output configuration						
H10	0 = Cooling	0	0	0	0	0	0
	1 = heating						
	Fan output configuration						
H11	0 = Cooling	0	0	0	0	0	0
	1 = Heating						
H12	Light sensor threshold	25	25	25	25	25	25
H13	Please see AUX4 output configuration H1 parameter	12	12	12	12	12	12
Hdn	default set parameters number	0	0	0	0	0	0
Htc	External time card insertion	0	0	0	0	0	0
ни	0 = not inserted	1 0	<u> </u>	U	U	0	U
rHu	Manual glass heater activation rate (rHt period)	70	70	70	70	70	70
	0 = Function is inactive	70	70	70	70	70	70
rHt	Manual glass heater activation period	5	5	5	5	5	5
	0 = Function is inactive						
rHo	Glass heater modulation offset	2.0	2.0	2.0	2.0	2.0	2.0
rHd	Glass heater modulation difference	0.0	0.0	0.0	0.0	0.0	0.0
	PWM output load type for glass heater modulation	ļ					
rHL	0 = resistant	0	0	0	0	0	0
	1 = inductive						
	Factor A for calculated glass temperature	2	2	2	2	2	2
rHb	Factor B for calculated glass temperature	22	22	22	22	22	22
HSt (Alarm I		ı					
	0 dan 9'a alarmlar (sete basın)	-	-	-	-	-	-
	0 dan 9'a alarm kodu	-	-	-	-	-	-
h_	0 dan 9'a alarm houri	0	0	0	0	0	0
	0 dan 9'a alarm minutesi	0	0	0	0	0	0
HcP (HACCP	0 dan 9'a alarm süresi	0	0	0	0	0	0
	, '	I 0	0	0	0	_	
	HACCP alarm	0	0	0	0	0	0
MAN	HA alarm type number	U	U	U	U	U	U

	CAREL PARAMETERS	ISLAND	WALL	COMBI	UPRIGHT FREEZER	COUNTER	MULTIDECK
HA to HA2	HA type active HACCP alarm number	-	-	-	-	-	-
У_	From 1 to 3 alarm-Year	0	0	0	0	0	0
M_	From 1 to 3 alarm - month	0	0	0	0	0	0
d_	From 1 to 3 alarm - which day of the month	0	0	0	0	0	0
h_	From 1 to 3 alarm - hour	0	0	0	0	0	0
n_	From 1 to 3 alarm - minute	0	0	0	0	0	0
•••	From 1 to 3 alarm - Alarm time	0	0	0	0	0	0
HFn	HF alarm type number	0	0	0	0	0	0
HF to HF2	HF type active HACCP alarm number	-	-	-	-	-	-
У_	From 1 to 3 alarm - Year	0	0	0	0	0	0
M_	From 1 to 3 alarm -month	0	0	0	0	0	0
d_	From 1 to 3 alarm - which day of the month	0	0	0	0	0	0
h_	From 1 to 3 alarm - hour	0	0	0	0	0	0
n_	From 1 to 3 alarm - minute	0	0	0	0	0	0
_	From 1 to 3 alarm - Alarm time	0	0	0	0	0	0
	HACCP alarm delay	0	0	0	0	0	0
	0 = alarm viewing deactivated	U	U	U	U	0	Ŭ
rtc (Real Tim	·						
	Defrost time from 1 to 8 (press Set)	-	-	-	-	-	-
	From 1 to 8 defrost day selection						
	0 = no defrost	0	0	0	0	0	0
	1 to 7 = days one by one from Monday to Sunday		U	U	O	U	
d_	8 = every day from Monday to Friday						
	9 = everyday from Monday to Saturday						
	10 = only Saturday Sunday						
	11 = everyday						
h_	Defrost hour	0	0	0	0	0	0
n_	Defrost minute	0	0	0	0	0	0
P_	Power defrost selection	0	0	0	0	0	0
'-	0 = Normal defrost; 1 =Power defrost	Ŭ		J	J		Ŭ
tS1 to 8	Time band starting from 1 to 8 (press Set)	-	-	-	-	-	-
d	Time band starting: day	0	0	0	0	0	0
h	Time band starting: hour	0	0	0	0	0	0
n	Time band starting: minute	0	0	0	0	0	0
tE1 to 8	Time band end from 1 to 8 (press Set)	-	-	-	-	-	-

	CAREL PARAMETERS	ISLAND	WALL FREEZER	COMBI	UPRIGHT	COUNTER	MULTIDECK
d	Time band end: day	0	0	0	0	0	0
h	Time band end: hour	0	0	0	0	0	0
n	Time band end: minute	0	0	0	0	0	0
tc	Real date/hour (press Set)	-	-	-	-	-	-
.,	Date/hour: year	REAL	REAL	REAL	REAL	REAL	REAL
У_		TIME	TIME	TIME	TIME	TIME	TIME
M_	Date/hour: month	REAL	REAL	REAL	REAL	REAL	REAL
		TIME	TIME	TIME	TIME	TIME	TIME
	Date/hour: which day of the month	REAL	REAL	REAL	REAL	REAL	REAL
d_		TIME	TIME	TIME	TIME	TIME	TIME
	Date/hour: which day of the week	REAL	REAL	REAL	REAL	REAL	REAL
u_		TIME	TIME	TIME	TIME	TIME	TIME
h	Date/hour: hour	REAL	REAL	REAL	REAL	REAL	REAL
h_		TIME	TIME	TIME	TIME	TIME	TIME
n	Date/hour: minute	REAL	REAL	REAL	REAL	REAL	REAL
n_		TIME	TIME	TIME	TIME	TIME	TIME

	DANFOSS PARAMETERS	ISLAND	WALL	COMBI	UPRIGHT	COUNTER	MULTIDECK
Normal o	peration						
	Temperature (setpoint)	-26	-20	-20	-20	0	2
Thermost							
	Differential	2	2	2	2	2	2
r02	Max. limitation of setpoint setting	-22	-18	-18	-18	-4	-4
	Min. limitation of setpoint setting	-29	-23	-23	-23	4	4
r04	Adjustment of temperature indication	0	0	0	0	0	0
r05	Temperature unit (°C/°F)	0	0	0	0	0	0
	Correction of the signal from S4	0	0	0	0	0	0
	Correction of the signal from S3	0	0	0	0	0	0
	Manual service, stop regulation, start regulation (-1, 0, 1)	1	1	1	1	1	1
r13	Displacement of reference during night operation	0	0	0	0	0	0
r14	Define thermostat function 1=ON/OFF 2=Modulating	1	1	1	1	1	1
r15	Definition and weighting, if applicable, of thermostat sen- sors - S4% (100%=S4, 0%=S3)	100	0	0	0	50	50
r16	Time between melt periods	0	0	0	0	0	0
r17	Duration of melt periods	0	0	0	0	0	0
r21	Temperature setting for thermostat band 2 . As differential use r01	-26	-20	-20	-22	0	0
r59	Correction of the signal from S6	0	0	0	0	0	0
r61	Definition and weighting, if applicable, of thermostat sen- sors when night cover is on. (100%=S4, 0%=S3)	100	0	0	0	50	50
r62	Heat function	2	2	2	2	2	2
102	Neutral zone between refrigeration and heat function						
r63	Time delay at switch between refrigeration and heat function	0	0	0	0	0	0
Alarms							
A03	Delay for temperature alarm	15	15	15	15	20	20
	Delay for door alarm	0	0	0	0	0	0
	Delay for temperature alarm after defrost	60	60	60	60	60	60
	High alarm limit for thermostat 1	-18	-15	-15	-15	4	6
	Low alarm limit for thermostat 1	-30	-26	-26	-26	-6	-6
	High alarm limit for thermostat 2	-18	-15	-15	-15	4	6
	Low alarm limit for thermostat 2	-30	-26	-26	-26	-6	-6
	High alarm limit for sensor S6 at thermostat 1	8	8	8	8	8	8
	Low alarm limit for sensor S6 at thermostat 1	-30	-30	-30	-30	-30	-30
	High alarm limit for sensor S6 at thermostat 2	8	8	8	8	8	8
A25	Low alarm limit for sensor S6 at thermostat 2	-30	-30	-30	-30	-30	-30

	DANFOSS PARAMETERS	ISLAND FREEZER	WALL FREEZER	COMBI	UPRIGHT FREEZER	COUNTER	MULTIDECK
A26	S6 alarm time delay	240	240	240	240	240	240
427	With setting = 240 the S6 alarm will be omitted	20	30	20	30	20	20
A27 A28	Alarm time delay or signal on the DI1 input	30 30	30	30 30	30	30 30	30 30
A28	Alarm time delay or signal on the DI2 input Signal for alarm thermostat. S4% (100%=S4, 0%=S3)	100	0	0	0	50	50
A50	Delay for S6 (product sensor alarm) after defrost	90	90	90	90	90	90
		90	90	90	90	90	90
Compres c01	Min. ON-time	0	0	0	0	0	0
c02	Min. OFF-time	0	0	0	0	0	0
c05	Time delay for cutin of comp.2	5	5	5	5	5	5
Defrost	Infine delay for cutin or comp.2	3	3	5	3	3	5
d01	Defrost method 0=off 1= EL 2= gAs	1	1	1	1	1	1
d02	Defrost stop temperature	10	10	12	12	10	10
d03	Interval between defrost starts	8	8	6	6	6	6
d04	Max. defrost duration	35	35	35	35	45	45
d05	Displacement of time on cutin of defrost at start-up	0	0	0	0	0	0
d06	Drip off time	2	2	2	2	3	3
d07	Delay for fan start after defrost	2	2	2	2	0	0
d08	Fan start temperature	-5	-5	-5	-5	-5	-5
	Fan cutin during defrost						
d09	0: Stopped	1	1	0	0	1	1
	1: Running						
	2: Running during pump down and defrost						
	Defrost sensor						
	0 =Stop on time						
	1=S5						
d10	2=S4	3	1	1	1	1	1
	3=Sx						
	(Application 1-8 and 10: both S5 and S6.						
L.	Application 9: S5 and S5B)						
d16	Pump down delay	0	0	0	0	0	0
d17	Drain delay (used at hot gas defrost only)	0	0	0	0	0	0
d18	Max. aggregate refrigeration time between two defrosts	0	0	0	0	0	0
d20	Heat in drip tray. Time from defrosting stops to heating in the drip tray is switched off	30	30	30	30	30	30

	DANFOSS PARAMETERS	ISLAND	WALL	COMBI	UPRIGHT	COUNTER	MULTIDECK CABINET
	Adaptive defrost:						
	0=not active,						
	1=monitoring only						
d21	2=skip allowed day	0	0	0	0	0	0
	3=skip allowed both day and night						
	4=own assessment						
	+ all schedules						
d23	Time delay before opening of hot gas valve	0	0	0	0	0	0
	Rail heat during defrost						
d27	0=off	2	2	2	2	2	2
u27	1=on			2			2
	2=Pulsating						
d40	Max. duration of -d- in display	30	30	30	30	30	30
Injection	control function						
n09	Max. value of superheat reference	12	12	12	12	12	12
n10	Min. value of superheat reference	3	3	3	3	3	3
n11	MOP temperature. Off if MOP temp. = 15.0 °C	15	15	15	15	15	15
n13	Period time of AKV pulsation	6	6	6	6	6	6
1113	Only for trained personnel	U	U	U	U	U	U
Fan							
	Fan stop temperature (S5)	50	50	50	50	50	50
	Pulse operation on fans:						
F05	0=No pulse operation	0	0	0	0	0	0
103	1=At thermostat cuts out only		0	O	O		O
	2= Only at thermostat cut outs during night operation						
	Period time for fan pulsation (on-time + off-time)	5	5	5	5	5	5
	On-time in % of period time	100	100	100	100	100	100
Real time		•	•			•	
t01-t06	Six start times for defrost. Setting of hours.	0	0	0	0	0	0
	0=OFF						
t11-t16	Six start times for defrost. Setting of minutes.	0	0	0	0	0	0
	0=OFF						
t07	Clock - Setting of hours	REAL	REAL	REAL	REAL	REAL	REAL
		TIME	TIME	TIME	TIME	TIME	TIME
t08	Clock - Setting of minute	REAL	REAL	REAL	REAL	REAL	REAL
		TIME	TIME	TIME	TIME	TIME	TIME

	DANFOSS PARAMETERS	ISLAND FREEZER	WALL	COMBI	UPRIGHT	COUNTER	MULTIDECK	
t45	Clock - Setting of date		REAL	REAL	REAL	REAL	REAL	REAL
-	Clark Cathing of mounth		TIME	TIME REAL	TIME REAL	TIME REAL	TIME REAL	TIME REAL
t46	t46 Clock - Setting of month				TIME	TIME	TIME	TIME
	Clock - Setting of year				REAL	REAL	REAL	REAL
t47	t47 Clock - Setting of year				TIME	TIME	TIME	TIME
Miscellar	neous		TIME	TIME				
o01	Delay of output signals after start-up		5	5	5	5	5	5
	Input signal on DI1. Function:							
	0=not used	7=thermostat band changeover (activate						
		r21)	4					
	1=status on DI1	8=alarm function when closed				0	0	
o02	2=door function with alarm when open	9=alarm function when open	0	0	0	0	0	0
	3=door alarm when open	10=Appliance cleaning (pulse signal)	-					
	4=defrost start (pulse-signal)	11=forced cooling at hot gas defrost	-					
	5=ext.main switch	12=night cover	-					
003	6=night operation Network address	15=case shut down	0	0	0	0	0	0
003	On/Off switch (Service Pin message) IMPORTANT! o61 must be set prior to o04 (used at LON 485 an	nd DANIBLISS only)	Off	Off	Off	Off	Off	Off
005	Access code 1 (all settings)	Id DANBO33 Offly)	0	0	0	0	0	0
003	Used sensor type		U	- 0	0	U	U	-
006	0=Pt1000		0	0	0	0	0	0
	1=Ptc1000,		ľ			Ŭ	O	
о08			**	**	**	**	**	**
o16				20	20	20	20	20
o17				0	0	0	50	50
o20	o20 Pressure transmitter working range – min. value			-1	-1	-1	-1	-1
o21	Pressure transmitter working range – max. value		12	12	12	12	12	12

		DANFOSS PARAMETERS		ISLAND	WALL	COMBI	UPRIGHT	COUNTER	MULTIDECK CABINET
	Refrigerant setting:								
	1=R12	15=R227	29=R1270						
	2=R22	16=R401A	30=R417A						
	3=R134a	17=R507	31=R422A						
	4=R502	18=R402A	32=R413A						
	5=R717	19=R404A	33=R422D	_					
	6=R13	20=R407C	34=R427A						
o30	7=R13b1	21=R407A	35=R438A	19	19	19	19	19	19
	8=R23	22=R407	36=R513A						
	9=R500	23=R410A	37=R407F						
	10=R503	24=R170	38=R1234ze						
	11=R11	25=R290	39=R1234yf						
	12=R142b	26=R600	40=R448A						
	13=User defined	27=R600a	41=R449A						
	14=R32	28=R744	42=R452A						
o30	Refrigerant setting:			19	19	19	19	19	19
	Input signal on DI2. Function:								
	(0=not used.	5=ext. main switch	10=Appliance cleaning (pulse signal).				ł		
o37	1=status on DI2.	6=night operation	11=forced cooling at hot gas defrost.).	0	0	0	0	0	0
037	2=door function with alarm when open.	7=thermostat band changeover (activate r21).	12=night cover,				ľ		
	3=door alarm when open.	8=alarm function when closed.	13=coordinated defrost).		l				
	4=defrost start (pulse-signal).	9=alarm function when open.	15=case shut down						
	Configuration of light function:								
	1=Light follows day /night operation,								
o38	2=Light control via data communication via '	o39',		1	1	1	1	1	1
	3=Light control with a DI-input,								
		will open if the network cut out for more than 15 mir	nutes.						
o39	Activation of light relay (only if o38=2) On=I	ight		Off	Off	Off	Off	Off	Off
	Rail heat On time during day operations			100	100	100	100	100	100
	Rail heat On time during night operations			100	100	100	100	100	100
o43	Rail heat period time (On time + Off time)			10	10	10	10	10	10
	Appliance cleaning.								
046	0=no Appliance cleaning.			0	0	0	0	0	0
040	1=Fans only.								
	2=All output Off.								
o61	lection of EL diagram. See overview page 12 and 13			9	1	4	4	1	1
062	Download a set of predetermined settings.	See overview page 27.		0	0	0	0	0	0

		DANFOSS PARAMETERS		ISLAND	WALL	COMBI	UPRIGHT	COUNTER	MULTIDECK CABINET
o64	Access code 2 (partial access)			0	0	0	0	0	0
o67	Replace the controllers factory settings with			Off	Off	Off	Off	Off	Off
	Input signal on DI3. Function: (high voltage								
	(0=not used.	6=night operation,	12=night cover.						
	1=status on DI2.	7=thermostat band changeover (activate r21)	13=Not used.						
084	2=door function with alarm when open.	8=Not used.	14=Refrigeration stopped	0	0	0	0	0	0
"			(forced closing)).				ľ		
	3=door alarm when open	9=Not used.	15=case shut down						
	4=defrost start (pulse-signal).	10=Appliance cleaning (pulse signal).							
	5=ext. main switch	11=forced cooling at hot gas defrost,							
	Rail heat control								
o85	0=not used,				0	0	0	0	0
	1=pulse control with timer function (o41 and o42),								Ů
	2=pulse control with dew point function								
o86	Dew point value where the rail heat is mini			8	8	8	8	8	8
o87	Dew point value where the rail heat is 100%	6 on		17	17	17	17	17	17
088	Lowest permitted rail heat effect in %			30	30	30	30	30	30
o89	Time delay from "open door" refrigeration			30	30	30	30	30	30
	Fan operation at stopped cooling (forced cle	osing): 0= Stopped (defrost allowed)							
o90	1= Running (defrost allowed)			1	1	1	1	1	1
	2= Stopped (defrost not allowed)			_		_		_	
	3= Running (defrost not allowed)								
	1=defrost stop temperature,								
o92	2=S6 temperature,			_ 1	1	1	1	1	1
	3=S5_B temperature (application 9), 4=S3B	(application 10)							
	Display of temperature								
o97	o97 1= u56 Air temperature			_ 1	1	1	1	1	1
	2= u36 product temperature								
	Light and night blinds defined								
o98					0	0	0	0	0
	1: Light and night blind is independent of m	ain switch							

	DANFOSS PARAMETERS	ISLAND	WALL	COMBI	UPRIGHT	COUNTER	MULTIDECK
	Configuration of alarm relay						
	The alarm relay will be activated upon an alarm signal from the following groups:	_					
	1 - High temperature alarms						
	2 - Low temperature alarms						
P41	4 - Sensor error	1	1	1	1	1	1
	8 - Digital input enabled for alarm 16 - Defrosting alarms						
	32 - Miscellaneous 64 - Injection alarms						
	The groups that are to activate the alarm relay must be set by using a numerical value which is the sum of the groups that must be activated.						
	(E.g.: a value of 5 will activate all high temperature alarms and all sensor error and 0 will cancel the relay function).						