



GRAND DELUXE

COMMERCIAL GRADE UNDER COUNTER REFRIGERATION RANGE

The Grand Deluxe Range designed with the bar and restaurant industry in mind. The Grand Deluxe line of kegerators are built to stand up to heavy use in a commercial environment. Made with the best Italian made compressors, high quality 304 grade bench top and internal lining, heavy duty enamel coated lockable doors and integrated drip tray are all things that distinguish this line of kegerators from the rest.





GD125



GD185



Optional Glass Doors on GD125



Optional Glass Doors on GD185



Counter Recessed Drip Tray





General Information

- Keep the fridge on a flat stable surface to avoid vibration and noise.
- The fridge should be installed in a place with good ventilation and at least 100mm should be allowed between the surrounding walls and the cabinet wall for air circulation.
- Install the fridge in a dry place to prevent rust or damage to the electrical components.
- Remove all packaging including plastic wrap before turning on the fridge.

CAUTION

- The fridge must be grounded correctly.
- In case there is any damage to the electrical cord and plug, please contact after sales service and never try to fix the damaged cord yourself.
- In the voltage source is unstable please use a voltage regulator.
- If the power cuts off, you should wait at least 5 minutes before turning the power back on again. This will prevent damage to your compressor.

GENERAL INSTALLATION WARNINGS

ATTENTION: NEVER LIFT THE UNIT BY THE COUNTER TOP. IF LIFTING BY HAND GRAB THE UNDERSIDE OF THE FRIDGE TO LIFT IT.

ONCE THE FRIDGE HAS BEEN DELIVERED LET THE FRIDGE STAND ON A LEVEL SERFACE FOR 1 HR BEFORE PLUGING THE FRIDGE INTO THE POWER POINT OR STARTING THE INSTALLATION.

THE FRIDGE SHOULD NOT BE INSTALLED AN AREA THAT WILL EXCEED 38°C in TEMPERATURE. IF THE TEMPERATURE EXCEEDS 38°C ADDITIONAL COOLING FANS WILL NEED TO BE INSTALLED INSIDE THE COMPRESSOR SERVICE COVER.

DRAFT BEER FONT INSTALLATION

1. Keg King supply various different beer fonts so the photos below might look slightly different depending on which beer font you have selected. Fit your beer tap to your beer font (if you don't know how to do this separate instructions can be requested from Keg King). Ensure the beer line connected to the tap is long enough to apply adequate line resistance so your system is balanced correctly (if you need more information regarding line balancing and beer line length you can request this from Keg King).



1



2. Attach your keg coupler or line disconnects to the end of the beer line.

2

3. Attach the font to the top of the kegerator and align the holes at the bottom of the font with the holes in the kegerator bench top. Use a Phillips head screw driver to attach the font to the bench. Feed the font fan hose up the font so that cold air is circulated up the font.



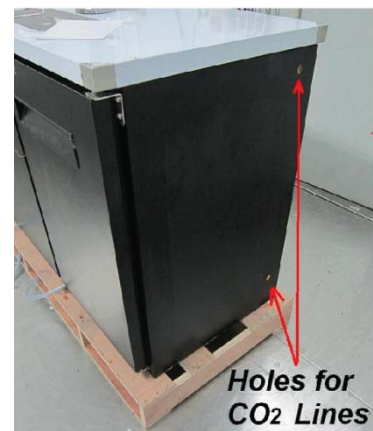
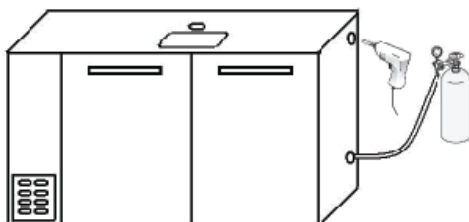
3

4. Place the top cap back onto the font.



4

5. If you are mounting the CO2 cylinder externally to the kegerator you will need to drill holes in the fridge wall. The recommended hole position can be seen in the photo to the right. Once the CO2 line has been fitted into the hole, seal around the hole with silicon seal to prevent cold air escaping from the fridge.



Holes for
CO2 Lines



INSTALLATION OF CASTORS

To obtain maximum strength and stability of the unit, it is important that you make sure each castor is secure. Even if the castor wheels are attached when you first receive the unit it is possible that in the shipping the castor wheels have come loose so we recommend that you check this before using the kegenerator.

1. Thread castor into the underside of cabinet
2. Use a spanner to tighten the castor in the clockwise direction



CASTOR BREAKS

The castor are made with a break. To activate the break the lever flips back and forth. Use your foot to either flick the break on or off. It is recommended that you use the break on the front side of the kegenerator and the castor wheels without the break are fitted to the back of the kegenerator. Never try to move the kegenerator with the castor wheel break on.





CLEANING AND MAINTENANCE

Condensers accumulate dirt and dust and require cleaning every 6 months to ensure the fridge is operating as efficiently as possible. In areas that are particularly dirty or dusty more frequent cleaning may be required. Dirty condensers can also result in compressor failure, product loss, and lost sales -- which are not covered by warranty.

Air is pulled through the condenser continuously along with dust, lint, grease, etc. If you keep the condenser clean you will minimize your service expense and lower your electrical costs.

Proper cleaning involves removing debris from the condenser by using a soft brush or vacuuming the condenser with a shop vac or using Co2, nitrogen or pressurized air.

If you cannot remove the debris adequately please call your refrigeration service company.

On most of the reach-in units the condenser is accessible at the rear of the unit. You must remove the cabinet grill to expose the condenser.

The condenser looks like a group of vertical fins. You need to be able to see through the condenser for the unit to function at maximum capacity.

Do not place filter material in front of condensing coil. This material blocks air flow to the coil which is similar to having a dirty coil.

STAINLESS STEEL CARE

There are three basic items that can break down stainless steel's passivity layer and allow corrosion to occur.

1. Scratches from wire brushes, metal scrapers and steel pads are just a few examples of items that can be abrasive to stainless steel's surface.
2. Deposits left on stainless steel can leave spots. Hard water can leave spots. Hard water that is heated can leave deposits if left to sit for too long. These deposits can cause the passive layer to break down and rust stainless steel. All deposits left from food prep or service should be removed as quickly as possible.
3. Chlorides are present in table salt, food and water. Household and industrial cleaners are the worst type of chlorides to use.

KEG BEER LINE CLEANING



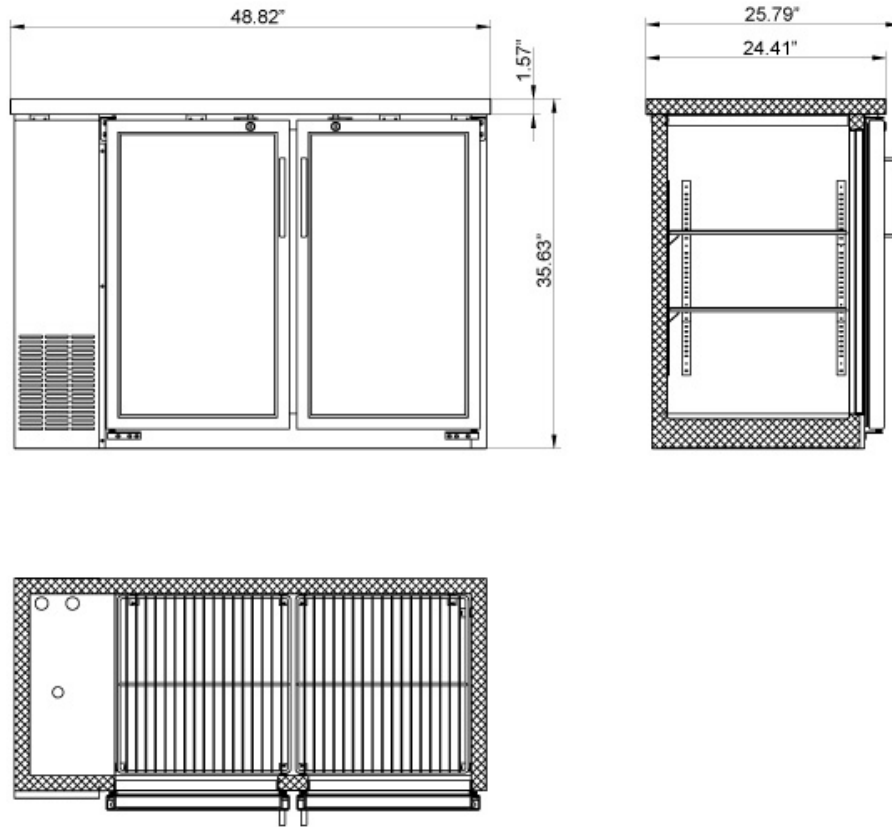
Beer lines need to be cleaned periodically. We recommend beer line cleaning every week. Keg King sells various beer line cleaning equipment such as Sodium Percarbonate Beer Line cleaning powder, wash out bottles and line cleaning caps. For more information contact Keg King





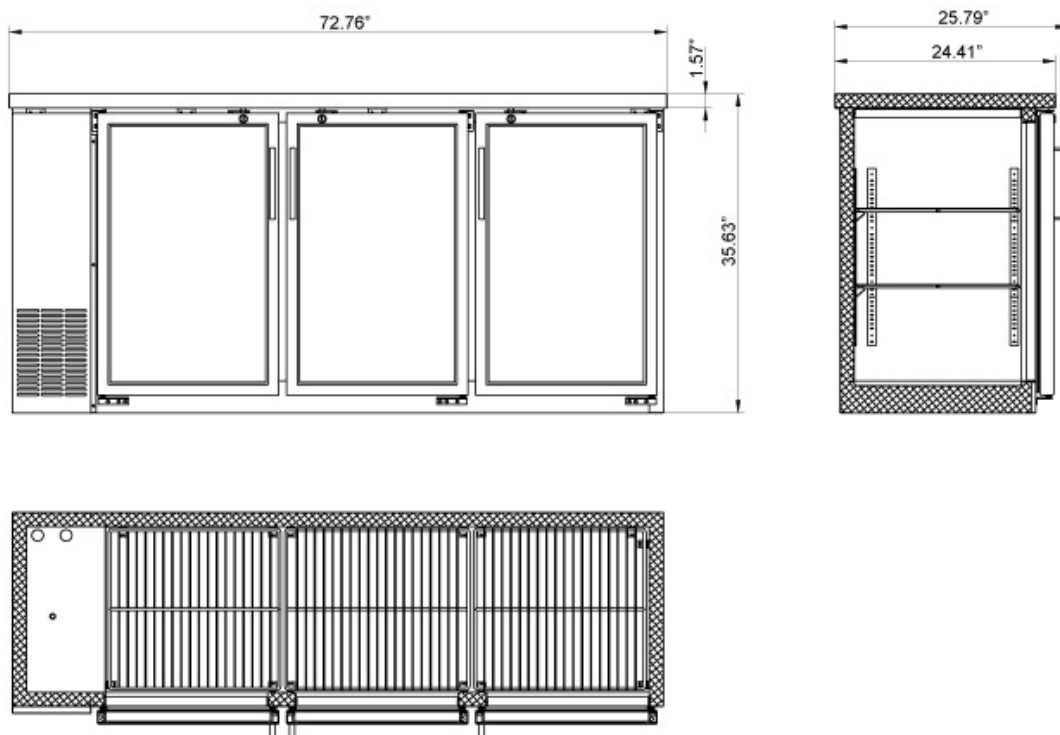
Technical Drawings

GD125



Technical Drawings

GD185





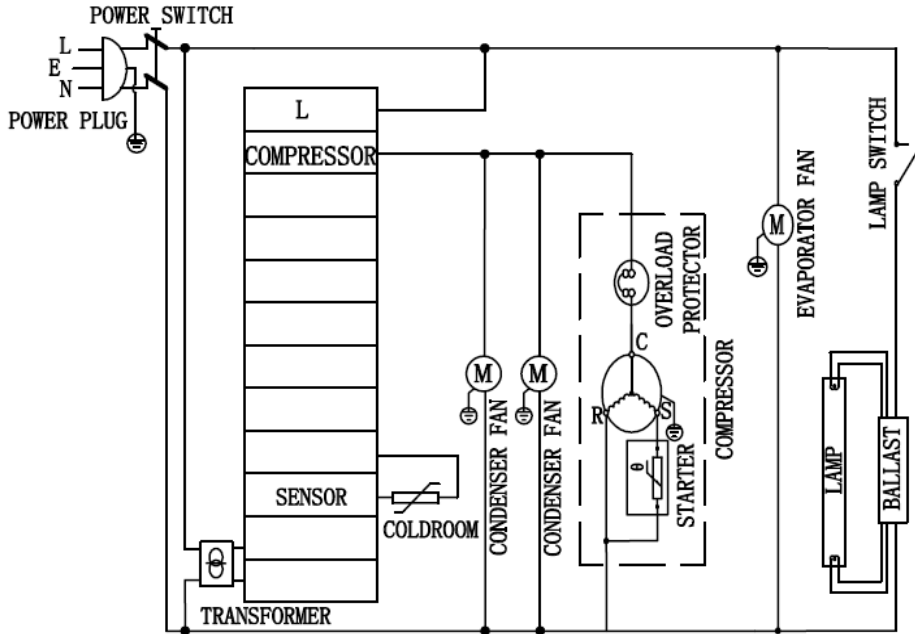
Specifications

	GD125	GD185
Temperature Cooling Range	-4C ~ 30C	-4C ~ 30C
Exterior Dimensions (W*D*H)	1240 x 620 x 920 (mm)	1848 x 620 x 920 (mm)
Interior Dimensions (W*D*H)	920 x 510 x 788 (mm)	1528 x 510 x 788 (mm)
Internal Volume	370L (approx.)	550L (approx.)
Side Material	Black Enamel Coated	Black Enamel Coated
Counter Top Material	304 Grade Stainless Steel	304 Grade Stainless Steel
Weight	140kg	185kg
Weight Including Packaging	160kg	210kg
Compressor	Danfoss Secop (German Designed)	Danfoss Secop (German Designed)
Power Draw	450 Watts	500 Watts
Power	240v 50-60Hz	240v 50-60Hz
Refrigerant	R134a	R134a
Climate Class	CLASS 4	CLASS 4
LED Light	5 Watts Approx.	5 Watts Approx.
Font Fan	20 Watts Approx.	20 Watts Approx.
Automatic Defrost	Yes	Yes
Self-Closing Doors	Yes	Yes



WIRING DIAGRAM

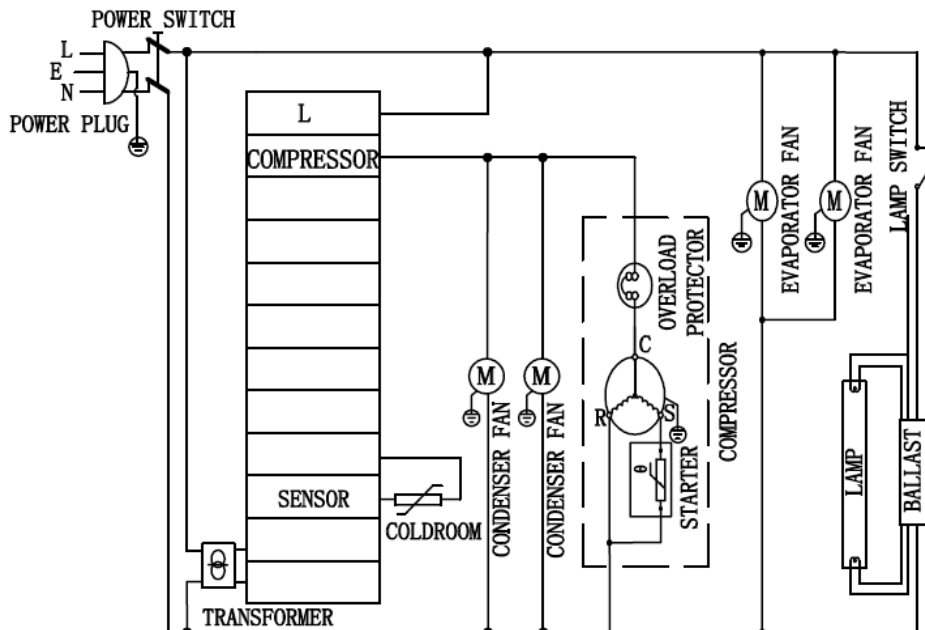
GD125



TECHNIC PARAMETER

CLIMATE	CLASS 4
REFRIGERANT	R134a
AMOUNT	300g
FOAM AGENT	R141b
RATED VOLTAGE	AC115V
FREQUENCY	60Hz
RATED CURRENT	6.3A
POWER INPUT	444W
NET WEIGHT	105Kg
MANUFACTURED	

GD185



TECHNIC PARAMETER

CLIMATE	CLASS 4
REFRIGERANT	R134a
AMOUNT	350g
FOAM AGENT	R141b
RATED VOLTAGE	AC115V
FREQUENCY	60Hz
RATED CURRENT	7.3A
POWER INPUT	504W
NET WEIGHT	150Kg
MANUFACTURED	

Other Additional Keg King Kegerator Accessories

Font Fan Kit

The font (tower) on the kegerator contains approximately 30cm of beer line. This beer line in the font is unrefrigerated and can go sour if left for extended periods of time without use. The font fan kit consists of a small blower and flexible conduit tube which is placed up the font. The blower box forces air up the font and chills the inside of the font to within a couple degrees of the fridge temperature.



Tap Handles

Keg King supply a range of different beer tap handles including coloured resin tap handles and chalk board handles so you can display what beer type is on that particular tap.



handles so you can display what beer type is on that particular tap.



Support your local football team with the tap handles in your favorite colours.

Tap Faucet Plug

During periods where the kegerator is not used the faucets can be plugged up to prevent contamination or fruit flies getting into the tap. This handy little device fits all tap sizes and shapes and is made from long lasting silicon.



Beer Line Cleaning Equipment

To keep your kegerator in top condition it is recommended to clean your beer lines out between kegs. Keg King supply sodium percarbonate beer line cleaner and handy wash out bottles to suit several different keg coupler types. Simply put a teaspoon of line cleaner into the wash out bottle and attach the keg coupler and dispense as if you were dispensing beer. These useful parts will ensure the quality of your beer is maintained.





Temperature Controller Settings (PJEZ-CY)

The advanced Italian made Carel temperature controller is designed to control the temperature alarms, set temperature of the fridge and is also includes a new defrost algorithms that automatically calculates the optimum defrost time and frequency based on several temperature sensor inputs.

The display of the temperature controller has several different icons which are described below:

LEDs and associated functions

icon	function	normal operation			start up
		ON	OFF	blink	
	compressor	on	off	request	ON
	fan	on	off	request	ON
	defrost	on	off	request	ON
AUX	aux	output on	output off	-	ON
	alarm	all	no alarm	-	ON
	clock	RTC fitted and enabled, at least 1 time band set	RTC not fitted or disabled, not even 1 time band set	-	ON if RTC fitted

Tab. 1

Table of functions activated by the buttons - models S, X, Y, C

button		normal operation		start up	
		pressing the button alone	pressed together		
	up ON/OFF	more than 3 s: toggle ON/OFF	Pressed together start/stop continuous cycle	-	
	down defrost	more than 3 s: start/stop defrost		Pressed together start parameter reset procedure	for 1 s display firmware vers. code
	set mute	- 1 s.: display/set the set point - more than 3 s: access parameter setting menu (enter password '22') - mute audible alarm (buzzer)	-		for 1 s RESET current EZY set

Tab. 2

Setting the set point (desired temperature)

1. Press the SET button for 1sec, the set value will start flashing.
2. Use the UP or DOWN button to set the value.
3. Press the SET button to confirm the set value.

Switching the Kegerator ON/OFF

Press the UP for more than 3sec. The control and defrost algorithms are now disabled and the instrument displays the message "OFF" alternating with the temperature read by the set probe.

Manual Defrost

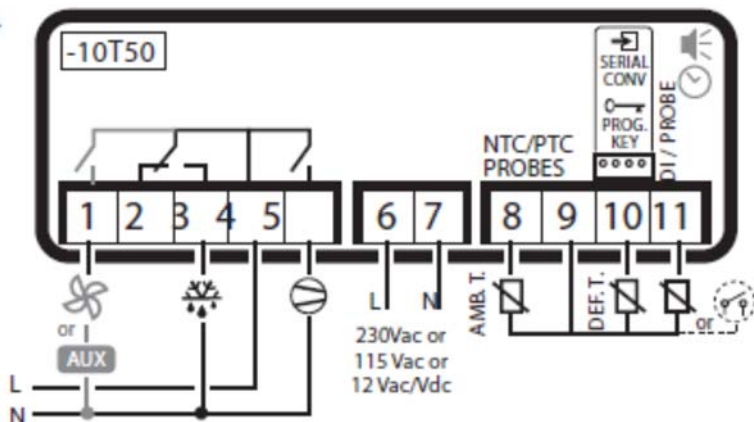
Press the DOWN key for more than 3sec and the defrost cycle will begin (defrost is only activated when the temperature conditions are valid)

Continuous Cycle

Press the UP and DOWN buttons together for more than 3 sec.

Temperature Controller Wiring

PJEZ(C, Y)*



Access and Setting the Advanced Parameters (DO NOT USE THIS UNLESS YOU KNOW WHAT YOU ARE DOING)

1. Press SET for 3 sec (the display will show "PS")
2. To access the type F and C parameter menu, enter the password "22" using UP/DOWN
To access the F parameter menu only, press SET (without entering the password)
Scroll inside the parameter menu using UP/DOWN
4. To display/set the values of the parameter displayed, press SET, then UP/DOWN and finally SET to confirm the changes
(returning to the parameter menu).
To save all the new values and exit the parameter menu, press SET for 3 sec
To exit the menu without saving the changed values (exit by timeout) do not press any button for at least 60 sec.



Table of parameters

Parameter	Min.	Max.	Def.	UOM	M ¹
PS PASSWORD	F 0	200	22	-	⊖
/ PROBE PARAMETERS					
/2 Measurement stability	C 1	15	4	-	⊖
/4 Select probe/input displayed (*)	F 1	3	1	-	⊖
/5 Select °C / °F (0 = °C; 1 = °F)	C 0	1	0	-	⊖
/6 Disable decimal point	C 0	1	0	-	⊖
/7 Enable probe 2 alarm (PIEZM only)	C 0	1	0	-	⊖
/C1 Probe calibration	F -50.0	50.0	0.0	°C/°F	⊖
/C2 Probe 2 calibration (*)	F -50.0	50.0	0.0	°C/°F	⊖
/C3 Probe 3 calibration	F -50.0	50.0	0.0	°C/°F	⊖
r CONTROL PARAMETERS					
St Control temperature	F r1	r2	4.0	°C/°F	⊖
r1 Minimum set point allowed to the user	C -50.0	r2	-50.0	°C/°F	⊖
r2 Maximum set point allowed to the user	C r1	200.0	90.0	°C/°F	⊖
r3 Operating mode 0= direct+defrost; 1= direct; 2= reverse	C 0	2	0	-	-
r4 Automatic night-time set point variation	C -50.0	50.0	3.0	°C/°F	⊖
rd Control differential (hysteresis)	F 0.0	19.0	2.0	°C/°F	⊖
c COMPRESSOR PARAMETERS					
c0 Comp. and fan start delay after start-up	C 0	100	0	min	-
c1 Min. time between successive comp. starts	C 0	100	0	min	-
c2 Min. compressor off time	C 0	100	0	min	-
c3 Min. compressor on time	C 0	100	0	min	-
c4 Compressor safety (duty setting)	C 0	100	0	min	-
cc Continuous cycle duration	C 0	15	4	h	-
c6 Alarm bypass time after cont. cycle	C 0	15	2	h	-
d DEFROST PARAMETERS					
d0 Type of defrost (0= heater; 1= hot gas; 2= heater by time; 3= hot gas by time; 4= heater by time with temp. cont.)	C 0	4	0	-	-
dl Interval between two defrosts	F 0	199	8	h/min	-
dt End defrost temperature	F 50.0	130.0	4.0	°C/°F	-
dP Max. or effective defrost duration	F 1	199	30	min/s	-
d4 Defrost when the instrument is switched on (1= activated)	C 0	1	0	-	-
d5 Defrost delay on start-up or from digital input	C 0	199	0	min	-
d6 Disable temperature display during defrost (1= display disabled)	C 0	1	1	-	-
dd Dripping time after defrost	F 0	15	2	min	-
d8 Alarm bypass time after defrost	F 0	15	1	h	-
d9 Defrost priority over comp. protectors (0= protection time respected; 1= protection time not respected)	C 0	1	0	-	-
d/ Display defrost probe temp.	F -	-	-	-	-
dc Time base (for defrost only; 0= h/min; 1= min/s)	C 0	1	0	-	-
A ALARM PARAMETERS					
A0 Alarm and fan differential	C -20.0	20.0	2.0	°C/°F	⊖
AL Low temperature alarm threshold/deviation (AL= 0; alarm disabled)	F -50.0	250.0	0	°C/°F	⊖
AH High temperature alarm threshold/deviation (AH= 0; alarm disabled)	F 50.0	250.0	0	°C/°F	⊖
Ad Low and high temperature alarm delay	C 0	199	0	min	⊖
A4 Digital input configuration 0= input not active; 1= exter. alarm, instant (A7= 0) or delayed (A7>0); 2= enable defrost (open=disabled); 3= start defrost on closing; 4= curtain switch or night-time operation (open= normal setpoint); 5= remote ON/OFF (open= OFF); 6= AUX output control [H1=3] (open = AUX de-energ.); 7= AUX output [H1=3] + FAN OFF control (closed) (open = AUX energised); 8= AUX output [H1=3] + FAN-OFF (closed) + COMP-OFF control (closed); (open= AUX energised); 9= select direct/reverse operation: r3=0 => open= direct + defrost; closed= reverse r3=1/2 => open= direct; closed= reverse 10= condenser probe; 11= product probe	C 0	11	0	-	⊖
A7 External alarm detection delay	C 0	199	0	min	⊖
A8 Enable alarm 'Ed': end defrost by timeout (1= enabled)	C 0	1	0	-	-
Ac High condenser temperature alarm	C -50.0	250.0	70.0	°C/°F	⊖
AE High condenser temperature alarm differential	C 0.1	20.0	5.0	°C/°F	⊖
AcD High condenser temperature alarm delay	C 0	250	0	min	⊖

F	FAN PARAMETERS (**)					
F0	Fan management: 0= fans on excluding specific phases; 1= fans on according to parameter F1 excluding specific phases (**)	C	0	1	0	-
F1	Fans shutdown temperature (**)	F	50.0	130.0	5.0	°C/°F
F2	Fans off when compressor off (**)	C	0	1	1	-
F3	Fans status during defrost (**) 0= fan ON; 1= fan OFF	C	0	1	1	-
Fd	Off for post-dripping. Active for each val. of F0 (**)	F	0	15	1	min
H	OTHER SETTINGS					
H0	Serial address	C	0	207	1	-
H1	AUX output configuration 0= no function associated with the output 1= alarm output usually energised 2= alarm output usually de-energised 3= auxiliary output driven by dig. input [A4=6/7/8] dig. input OPEN= AUX de-energised dig. input CLOSED= AUX energised	C	0	3	0	-
H2	Enable keypad 0= keypad disabled 1= keypad enabled 2= keypad enabled except for ON/OFF function	C	0	2	1	-
H4	Disable buzzer 0= buzzer enabled 1= buzzer disabled	C	0	1	0	-
H5	Key ID code from supervisor	F		199	1	-
EZY	Select Easy Set according to the model, see manual (see notes)	C	0	4	0	-
RTC PARAMETERS						
tEn	Disable RTC	C	0	1	1	-
d1d	Defrost time band 1 day	C	0	11	0	days
d1h	Defrost time band 1 hours	C	0	23	0	h
d1m	Defrost time band 1 minutes	C	0	59	0	min
d2d	Defrost time band 2 day	C	0	11	0	days
d2h	Defrost time band 2 hours	C	0	23	0	h
d2m	Defrost time band 2 minutes	C	0	59	0	min
d3d	Defrost time band 3 day	C	0	11	0	days
d3h	Defrost time band 3 hours	C	0	23	0	h
d3m	Defrost time band 3 minutes	C	0	59	0	min
d4d	Defrost time band 4 day	C	0	11	0	days
d4h	Defrost time band 4 hours	C	0	23	0	h
d4m	Defrost time band 4 minute	C	0	59	0	min
nOd	"Night on" time band day	C	0	11	0	days
nOh	"Night on" time band hours	C	0	23	0	h
nOm	"Night on" time band minutes	C	0	59	0	min
nFd	"Night off" time band day	C	0	11	0	days
nFh	"Night off" time band hours	C	0	23	0	h
nFm	"Night off" time band minutes	C	0	59	0	min
AOd	"Aux on" time band day	C	0	11	0	days
AOh	"Aux on" time band hours	C	0	23	0	h
AOm	"Aux on" time band minutes	C	0	59	0	min
AFd	"Aux off" time band day	C	0	11	0	days
AFh	"Aux off" time band hours	C	0	23	0	h
AFm	"Aux off" time band minutes	C	0	59	0	min
dAY	RTC day of the week	C	1	7	1	days
hr	RTC hours	C	0	23	0	h
Min	RTC minutes	C	0	59	0	min

¹ parameter available on model PIEZM*: yes= ⊖; no= -
 (*) parameters not available in PIEZS models with one probe.
 (**) parameters not available in PIEZS models
 (***) parameters not available on models without RTC

note: the "Easy Set" parameter is used to select one of 4 sets of quick configurations stored in the instrument, each containing a maximum of 25 parameters.

PIEZ(S, X)*: EZY=1: normal temperature, no defrost
 EZY=2: normal temperature with timed defrost
 EZY=3: normal temperature, heating output
 EZY=4: normal temperature, defrost controlled by temperature (d0=4)

PIEZ(C, Y)*: EZY=1: low temperature with hot gas defrost
 EZY=2: low temp. with automatic night-time set point variation via digital input
 EZY=3: low temperature with management of alarm via digital input
 EZY=4: low temperature, defrost controlled by temperature (d0=4).