

06/2021

Mod: IDS40-R6

Production code: 801054_200

QUICK START GUIDE

EN

VERY IMPORTANT: Always read the safety and operations instructions before starting up the appliance to obtain full safety and operating instructions.

Operation of the equipment is totally controlled by a digital **DIXEL** thermostat, which allows for selection of temperature.

Connect the equipment to the mains. If “OFF” appears in the digital display, press ON/OFF key.

It is necessary to wait +/- 2 minutes for the compressor to star after the cabinet is connected to the mains.

Digital controls the temperature from -2°C to +8°C on SNACK models (**ID 40-R6**), 0°C to +5°C (**IDS40-R6**) on FISH models and negative models (**IE40-R2**) from -15°C to -22°C with factory set point -18°C.



To change the set point, you shall do the steps described bellow:

- To do this press SET key more than 2 seconds to change the set point value;
- The value of set point will be displayed and the “°C” will star blinking;
- To change the Set value push **UP** or **DOWN** arrows within 10 seconds;
- To record the new set point value, push the **SET** key again or wait for 10 seconds

ALARM SIGNALS

Message	Cause
“P1”	Room probe failure
“P2”	Evaporator probe failure
“P3”	Third probe failure
“HÁ”	Maximum temperature alarm
“LA”	Minimum temperature alarm
“dA”	Door open
“EA”	External alarm
“CA”	Serious external alarm (i2F=bAL)
“CA”	Pressure switch alarm (i2F= PAL)
“rtc”	Real time clock alarm
rtF	Real time clock boar failure

Defrosting is automatic and controlled by the thermostat, the water from the process is drained through a hole into a container. This container must be empty regulary, -/+ twice a week.

When is possible connect to the sewers with a siphon where the equipment is installed.

Very Important: This recipient (water tray) is supplied inside the cabinet. The user must introduce it on the guides below the cabinet, and make sure the sewage pipe send the water to inside the water tray. See the scheme:



Table of Parameters
DIXELL XR60CH c/ prog. XR 70 CH

DC-09.151-PRD

R02/22.04.2021

Parameters	Code	Range	ASP 400 Snack		ASP 400 FISH		ASP 400 N
			LT	NT	NT	LT	LT
Set Point	SEt	LS; US	2	2	2	2	-20
Differential	HY	(0.1 to 25,5°C)	3	3	3	3	4
Minimum set point	LS	(-100 to SET)	-2	0	0	-2	-22
Maximum set point	US	(Set to 150°C)	+8	+5	+5	+8	-15
Thermostat probe calibration	ot	(-12,0 to 12,0°)	-1	-1	-1	-1	+1
Evaporator Probe presence	P2P	N;Y	Y	Y	Y	Y	Y
Evaporator probe calibration	oE	(-12,0 to 12,0)	0	0	0	0	0
Third probe presence	P3P	N; Y	n	n	n	n	n
Third probe calibration	o3	(-12,0 to 12,0°C)	0.0	0.0	0.0	0.0	0.0
Second digital input presence	P4C	Pb, id2	Id2	Id2	Id2	Id2	Id2
Outputs delay at start up	odS	0 to 255 min	2	2	2	2	2
Anti-short cycle delay	AC	0 to 50 min	3	3	3	3	4
Anti-short cycle delay for second compressor	AC1	0 to 50 min	0	0	0	0	0
Continuous cycle duration	CCt	0.0 to 24h00 min, res.10 min	0.0	0.0	0.0	0.0	0.0
Set point continuous cycle	CCS	(-100 to 150,0°C)	+2	+2	+2	+2	-22
Compressor ON time with faulty probe	Con	0 to 255 min	10	20	20	10	20
Compressor OFF time with faulty probe	CoF	0 to 255 min	20	20	20	20	5
Temperature measurement unit	CF	°C; °F	°C	°C	°C	°C	°C
Resolution	rES	dE; in	in	in	in	in	In
Probe displayed	Lod	P1; dtr	P1	P1	P1	P1	P1
Not used	dtr		Not used	99	99	Not used	Not used
Defrost type	tdF	EL; in	EL	EL	EL	EL	In
First defrost termination temperature	dtE	(-55 to 50,0°C)	+6	+5	+5	+6	10
Not used	dtS		8	Not used	Not used	8	8
Interval between defrost cycles	idF	0 to 120 hours	6	6	6	6	6
(Maximum) length for first defrost	MdF	0 to 255 min	20	20	20	20	15
(Maximum) length for second defrost	MdS	0 to 255 min	0	0	0	0	0
Start defrost delay	dSd	0 to 255 min	0	0	0	0	0
Displaying during defrost	dFd	Rt; it; Set; dEF	it	it	it	it	dEF
MAX display delay after defrost	dAd	0 to 255 min	15	15	15	15	60
Draining time	Fdt	0 to 255 min	2	2	2	2	3
First defrost after start up	dPo	n;y	n	N	n	n	n
Defrost delay after fast freezing	dAF	0.0 to 24h00 min, res.10 min	0	0	0	0	0
Fan Operating mode	FnC	C-n; o-n; C-Y; o-Y	C-Y	C-Y	C-Y	C-Y	C-n
Fan delay after defrost	Fnd	0 to 255 min	2	2	2	2	1
Differential of temperature for forced activation of fans	FCt	0 to 50°C	0	0	0	0	0
Fan stop temperature	FSt	(-55 to 50.0°C)	10	10	10	10	0
Fan on time with compressor off	Fon	0 to 15 min	2	2	2	2	1
Fan off time with compressor off	FoF	0 to 15 min	6	6	6	6	5
Kind of action of fan	FSU	Std; FoF; Fon	FoF	FoF	FoF	FoF	FoF
Temperature alarms configuration	ALC	rE; Ab	re	rE	rE	rE	rE
Maximum temperature alarm	ALU	Rel (0.0 to 50.0°) (0 to 90°F) Abs: (ALL to 150°C) (ALL to 302°F)	7	10	10	7	10

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			LT	NT	NT	LT	LT
Minimum temperature alarm	ALL	Rel (0.0 to 50°C) (0 to 90°F) ABs: (-100°C to ALU) (-148°F to ALU)	4	4	4	4	5
Differential for temperature alarm recovery	AFH	(0,1 to 25,5°C) (1 to 45°F)	1	1	1	1	2
Temperature alarm delay	ALd	0 to 255 min	60	60	60	60	120
Delay of temperature	dAo	0,0 to 24h00 min, res.10 min	2	2	2	2	4
2D2efrost relay configuration (1-7/6)	oA1	ALr=alarm; dEF= do not select it; LIG=light; AUS= AUX, onF= always on; Fan= do not select it; db=neutral zone; CP2=second compressor; dF2= do not select it	deF	deF	deF	deF	deF
Fan relay configuration (1-2)	oA2	ALr=alarm; dEF= do not select it; LIG= light; AUS=AUX; onF=always on; Fan0 do not select it; db= neutral zone; CP2= second compressor	FAn	FAn	FAn	FAn	FAn
2Digital input polarity (18-19)	i1P	oP; CL	oP	oP	oP	oP	oP
Digital input configuration (18-10)	i1F	EAL; bAL; PAL; dor; dEF;ES;AUS;Htr; Fan; HdF; onF	Fan	FAn	FAn	FAn	FAn
Digital input alarm delay (18-20)	did	0 to 255 min	3	3	3	3	3
Second digital input polarity	i2P	oP; CL	CL	CL	CL	CL	CL
Second digital input configuration	i2F	EAL; bAL; PAL; dor; DEF; ES; AUS; Htr; Fan; HdF; onF	EAL	EAL	EAL	EAL	EAL
Second digital input alarm delay	D2d	0 to 255 min	0	0	0	0	0
Number of activations of pressure switch	nPS	0 to 15	15	15	15	15	15
Compress and fan status when open door	odC	No; Fan; CPr; F-C	no	no	no	no	no
Regulation restart with door open alarm	rrd	N; Y	y	y	Y	y	y
Differential for energy saving	HES	(-30 to 30°C) (-54 to 54°F)	0	0	0	0	0

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Parameters	Code	Range	ASP 400 Snack		ASP 400 FISH		ASP 400 N
			LT	NT	NT	LT	LT
Serial address	Adr	0 to 247	1	1	1	1	1
Kind of probe	PhC	PtC; ntC	ntc	ntc	ntc	ntc	ntc
Room probe display	dP1	Probe value	P1	P1	P1	P1	P1
Evaporator probe display	dP2	Probe value	P2	P2	P2	P2	P2
Third probe display	dP3	Probe value	noP	noP	noP	noP	noP
Software release	rEL	Read only	14.2	14.2	14.2	14.2	14.2
Map code	Ptb	Read only	2	2	2	2	2

MAIN FUNCTIONS:

- **How to see the set point:**

Push and immediately release the SET key: The display will show the Set Point value;

Push and immediately release the SET key or wait for 5 sec to display the probe value again;

- **How to change the set point**

Push the SET key more than 2 second to change the set point value;

The value of the set point will be displayed and the °C or °F led will start blinking

To change the set value, push the **UP** or **DOWN** arrows within 10 sec

- **How to start a manual defrost**

Push the **DEF** key for more than 2 sec and a manual defrost will start

- **How to change a parameter value**

To change a parameter value, operate follows:

Enter the programming mode by pressing the **SET + DOWN** buttons for 3s (the °C or °F LED will start blinking)

Select the required parameter. Press the **SET** button to display its actual value

Use **UP** or **DOWN** buttons to change its value.

Press SET button to store the new value move to the following parameter.

To exit: Press **SET + UP** buttons or waiting for 15 s without pressing any key.

NOTE: the set value is stored even when the procedure is exited by waiting for the time-out expire.

- **The hidden menu**

The hidden menu includes all the parameters of the instrument

- How to enter the hidden menu

Enter the programming mode by pressing the SET + DOWN buttons for 3 sec (the °C or °F LED will start blinking)

Release the buttons and then push again the SET + DOWN buttons for more than 7 s. The Pr2 label will be displayed immediately followed from HT parameter.

Now it is possible to browse the hidden menu

Select the required parameter

Press the **SET** button to display its value

Use **UP** or **DOWN** to change its value

Press SET to store the new value and move to the following parameter

To exit: Press **SET + DOWN** or wait 15 sec without pressing a key

Note1: If no parameter is present in Pr1 menu, after 3 sec the “nop” message will be displayed.

Keep the buttons pushed til the Pr2 message will be displayed

Note2: The set value is stored even when the procedure is exited by waiting for the time-out to expire.

-How to move a parameter from the hidden menu to the first level and vice versa

Each parameter present in the hidden menu (Pr2) can be moved into the user level (Pr1) by pressing SET+DPWN buttons. If a parameter is part of the user level, when showed in the hidden menu the decimal point will be lit.

- **How to lock the keyboard**

Keep both **UP** and **DOWN** buttons pressed for more than 3 sec.

The **poF** message will be displayed and the keyboard will be locked. At this point it will be possible only to see the set point or the MAX o Min temperature stored

If a button is pressed more than 3 sec the **PoF** message will be displayed

- **How to unlock the keyboard**

Keep pressed together for more than 3 sec the **UP** and **DOWN** keys til the Pon message will be Displayed

- **The continuous cycle**

When defrost is not in progress, it can be activated by holding the **UP** key pressed for about 3 sec. The compressor operates to maintain the **CCS** set point for the time set through the **CCt** parameter. The cycle can be terminated before the end of the set time using the same activation key **UP** for 3 sec.

- **The ON/OFF function**

With “onF=off”, pushing the ON/OFF key, the instrument is switched off. The “OFF” message is displayed. In this configuration, the regulation is disabled. To switch the instrument n, push again the ON/OFF key.

WARNING: Loads connected to the normally closed contacts of the relays are always supplied and under voltage, even if the instrument is in standby mode.