Electronic regulation

XW270K

- Compressor operation led. *Flashing on anti short cycle or with opened pressure switch.*
- Fan operation led. *Flashing with compressor operation led during programming mode.*
- Defrosting led. *Flashing during drip time.*
- Fast-freezing cycle led.

KEYBOARD

set Display and modify set point.
By holding it pressed for 3 secs. when max or min temperature is displayed it will be erased.
In programming mode it selects a parameter or confirms an operation.

Display max stored temperature.
By holding it pressed for 3 secs. the fast-freezing cycle starts.
In programming mode it browses the parameter codes or increases the displayed value.

Display min stored temperature.
In programming mode it browses the parameter codes or decreases the displayed value.

By holding it pressed for 3 secs. the defrosting cycle starts.

Switch the cold room light on and off.

By holding it pressed for 3 secs. the energy saving mode is turned on and off.

Switch the unit on and off.

set + By holding both keys pressed for 3 secs. the unprotected parameters (Pr1 level) are accessible.

To access the protected parameters (Pr2 level), type manufacturer password in Pr2 parameter.

ALARM SIGNALS

Message	Cause	Output
P1	Thermostatic probe failure	Alarm output on. Safe mode operation according to "Con" and "COF" parameters.
P2	Evaporator probe failure	Alarm output on.
P3	Auxiliary probe failure	Alarm output on.
HA	Maximum temperature alarm	Alarm output on.
LA	Minimum temperature alarm	Alarm output on.
EE	Data or memory failure	Alarm output on.
dA	Door switch alarm	Alarm output on.
CSd	Condenser high temperature: - Blocked condenser - High ambient temp. > 45ºC	Alarm output on.
PAL	Pressure switch alarm: Low pressure: - Refrigerant shortage, - Evaporator fan failure, - Filter, capillary or valve failure. High pressure: - Refrigerant excess or air in pipes - Condenser fan failure, - High ambient temperature.	Alarm output on. Unit stops.

PARAMETER LIST

	Label	Description	Range	Positive temp.	Negative temp.	High temp.	list
REGULATION	Hy	Differential set point	0,1 a 25,5 ºC		2,0 ºC		Pr2
	LS	Minimum set point	-50ºC a SET	- 5 ºC	- 25 ºC	+5 ºC	Pr2
	US	Maximum set point	SET a + 110 ºC	+10 ºC	-15 ºC	+18 ºC	Pr2
	Ods	Output activation delay	0 - 255 min		1'		Pr2
	AC	Anti short cycle delay	0 - 30 min		4'		Pr2
	CCt	Fast-freezing cycle time	0 - 23 h 50 min	30'	2h 30'	30'	Pr2
	Con	Compressor operation time with P1 probe failure	0 - 255 min		15'		Pr2
	COF	Compressor off time with P1 probe failure	0 - 255 min		15'		Pr2
DISPLAY	CF	Temperature measure unit	ºC - ºF		ºC		Pr1
	rES	Temperature resolution (In:integer, de:decimal point)	in - de		de		Pr1
	Lod	Probe displayed	P1 - lr2		P1		Pr2
	rEd	Probe value displayed	P1 - lr2		P1		Pr2
DEFROST	tdF	Defrosting type (compact: gas hot gas, split: electric heater)	rE, rT, in	In (hot gas); rE (elec. heater)		rE	Pr2
	EdF	Defrosting mode (In:standard, Sd:SmartDefrost)	In, Sd		In		Pr2
	SdF	Set point for SmartDefrost	-30 - +30 ºC		0,0 ºC		Pr2
	dtE	Defrost ending temperature	-50 - 110 ºC		20 ºC (hot gas) 8 ºC (elec. heater)	15 ºC	Pr1
	IdF	Time between defrosting cycles	1 - 120 h	3h	3h (gas) 4h (elec.)	3h	Pr1
	MdF	Maximum defrosting time	0 - 255 min	15' (gas) 20' (elec.) 30' (double flow)	15' (gas) 20' (elec.)	15'	Pr1
	dFd	Displayed parameter during defrosting cycle	rt, it,Set, DEF, dEG		It		Pr2
	dAd	Delay of max room temperature display after defrost	0 - 250 min		15'		Pr2
	dSd	Defrost delay time	0 - 99 min		0'		Pr2
	Fdt	Compressor on delay after defrost (draining time)	0 - 60 min	2'	3'	0'	Pr2
	dPO	First defrost after start up	n - y		n		Pr2
	dAF	Defrost delay after end of fast-freezing cycle	0 - 23 h 50 min		2,0 h		Pr2
FAN	FnC	Fan operation mode: with compressor (C) or all time (O), and during defrost (y-n)	C-n, C-y, O-n, O-y	C-n		C-y	Pr1
	Fnd	Fan delay after defrost	0 - 255 min	3'	4'	0'	Pr2
	FSt	Fan stop evaporating temperature	-50 - 110 ºC	R404A: 10ºC R134a: 40ºC	0 ºC	R404A: 20ºC R134a: 40ºC	Pr1
ALARMS	ALC	Configuration of temperature alarm (relative / absolute)	rE - Ab		rE		Pr1
	ALU	Maximum temperature alarm	-50 - 110 ºC		5,0 ºC		Pr1
	ALL	Minimum temperature alarm	-50 - 110 ºC		5,0 ºC		Pr1
	AFH	Temperature alarm and fan differential	0,1 - 25,5 ºC		2,0 ºC		Pr2
	ALd	Delay of temperature alarm signal after its detection	0 - 255 min		0'		Pr2
	dAO	Temperature alarm delay after starting up	0 - 23 h 50 min	3 h	4 h	3 h	Pr2
	EdA	Alarm delay after end of defrost	0 - 255 min		30'		Pr2
	dot	Temperature alarm delay after closing the door	0 - 255 min		30'		Pr2
	doA	Opened door alarm delay	0 - 255 min		15'		Pr1
	rrd	Starting up of the unit after open door alarm	n - y		y		Pr1
	AL2	Condenser low temperature alarm *	-50 – Au2 ºC	-40ºC(gas) 25ºC(elec)		25ºC	Pr2
	Au2	Condenser high temperature alarm	AL2 - 110 ºC	R404A : 52 ºC R134a : 65 ºC			Pr2
	ALH	Differential of condenser low temperature alarm *	0,1 – 25,5 ºC		5 ºC		Pr2
	AtH	Differential of condenser high temperature alarm	0,1 - 25,5 ºC		3 ºC		Pr2
	Ad2	Condenser temperature alarm delay	0 – 255 min		0'		Pr2
	dA2	Delay of condenser temperature after starting up	0 – 23h 50 min		0 h		Pr2
	tbA	Alarm silencing by pressing a key	y - n		y		Pr2
	nPS	Pressure switch failure, during "did" time, before "PAL" alarm signal	0 - 15		8		Pr2
PROBES	Ot	Thermostatic probe calibration	-12 - +12 ºC		0		Pr2
	OE	Evaporator probe calibration	-12 - +12 ºC		0		Pr2
	O3	Condensation probe calibration	-12 - +12 ºC		0		Pr2
	P2P	Evaporator probe presence	n - y		y		Pr2
	P3P	Condenser probe presence	n - y		y		Pr2
	HES	Set point increase or decrease for Energy Saving mode	-30 - +30 ºC		+2 ºC		Pr2
INPUTS	odc	Compressor off (CPr), fan off (Fan), both off (F_C), or both on (no), when door is opened	no, Fan, CPr, F_C		F_C		Pr2
	I1P	Door switch input polarity	CL - OP		OP		Pr2
	I2P	Digital input 2 polarity (pressure switches)	CL - OP		OP		Pr2
	I2F	Digital input 2 configuration: PAL=Pressure switches			PAL		Pr2
	did	Time for number of pressure switch alarms	0 - 255 min		60		Pr2
	oP2	External alarm relay polarity	CL - OP		CL		Pr2
OTHER	Adr	RS485 serial address when connected to a ModBUS network	1 - 247		1		Pr1
	REL	Microprocessor release software version	Read only		8.4		Pr2
	Ptb	Original code of Dixell parameter map	Read only		2		Pr2
	Prd	Temperature value of thermostatic probe "Pb1", evaporator probe "Pb2" and condensation probe "Pb3"	Pb1 - Pb3		Read only		Pr1
	Pr2	Access to protected parameter list			321		Pr1

* AL2 parameter value for units with condensation pressure regulation by fan speed control is 20ºC.
* AL2 parameter value for centrifugal units with condensation pressure regulation by fan speed control is -40ºC.
* ALH parameter value for units with condensation pressure regulation by fan speed control is 0,1ºC.