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Cabinet series "B"
-18°/-22°C
Single refrigerant system



Wing XW30LR

Y110506020-5-List of parameters for cabinet B - XW30LR - 04/03/13

Cod.	Set value	Range	Description	Function
set	-18	LS ÷ US	Set point	User setting of the operation temperature
Hy	2,5	0.1 ÷ 25.5	Differential	Temperature differential from set point for On/Off compressor
LS	-22	-50 ÷ set	Minimum set point	Sets the minimum value for the set point
US	-10	set ÷ 110	Maximum set point	Set the maximum value for set point
ot	-1	-12.0 ÷ 12.0	Thermostat probe calibration	Allows to adjust possible offset of the thermostat probe
P2P	y	n ÷ y	Evaporator probe presence	n = not present: the defrost stops by time; y = present: the defrost stops by temperature
oE	0	-12.0 ÷ 12.0	Evaporator probe calibration	Allows to adjust possible offset of the evaporator probe
OdS	1	0 ÷ 255	Outputs delay at start up	This function inhibits any output activation for the period of time set in the parameter
AC	3	0 ÷ 30	Anti-short cycle delay	Minimum interval between the compressor stop and the following restart
CCt	0.0	0 ÷ 23.50	Continuous cycle duration	Allows to set the length of the continuous cycle: compressor stays on without interruption for the CCt time
CCS	-18	-55 / +55°C	Set point for continuous cycle	it sets the set point used during the continuous cycle
Con	15	0 ÷ 255	Compressor ON time with faulty probe	Time during which the compressor is active in case of faulty thermostat probe
CoF	20	0 ÷ 255	Compressor OFF time with faulty probe	Time during which the compressor is OFF in case of faulty thermostat probe
CF	°C	°C / °F	Temperature measurement unit	°C=Celsius; °F=Fahrenheit
rES	in	in / de	Resolution	(in = 1°C; dE = 0.1 °C) Allows decimal point display
Lod	P1	P1 ÷ P2	Probe displayed	(P1; P2): it selects which probe is displayed by the instrument: P1=Room probe; P2=Evaporator probe
dly	2,5	0 ÷ 20 min	Display temperature delay	(0 ÷ 20.0m; resul. 10s) when the temperature increases, the display is updated of 1 °C/1°F after this time
tdF	EL	EL / in	Defrost type	EL = electrical heater; in = hot gas
dtE	15	-50 ÷ 110	Defrost termination temperature	It sets the temperature measured by the evaporator probe (P2), which causes the end of defrost
IdF	4	1 ÷ 120	Interval between defrost cycles	Determines the time interval between the beginning of two defrost cycles
MdF	18	0 ÷ 255	Maximum length for defrost	It sets the maximum length for defrost
dSd	0	0 ÷ 99	Start defrost delay	This is useful when different defrost start times are necessary to avoid overloading the plant
StC	0	0 ÷ 15 (min.)	Drain heater starting before defrosting cycle	Drain heater starting before defrosting cycle
dFd	SEt	rt ÷ dEG	Displaying during defrost	rt = real temperature; it = temperature at defrost start; SEt = set point temperature; dEF = "dEF" label
dAd	40	0 ÷ 255	MAX display delay after defrost	Sets the maximum time between the end of defrost and the restarting of the real room temperature display
Fdt	3	0 ÷ 60	Draining time	Time interval after the end of defrost, before the restoring of the control's normal operation
dPo	n	n ÷ y	First defrost after start-up	(y = immediately; n = after the IdF time)
dAF	1.0	0 ÷ 23.50	Defrost delay after fast freezing	Time interval between the end of the fast freezing cycle and the following defrost related to it
FnC	C-n	C-n ÷ O-y	Fan operating mode	C-n= runs with the compressor, OFF during defrost; o-n = continuous mode, OFF during defrost; C-Y = runs with the compressor, ON during defrost; o-Y = continuous mode, ON during defrost;
Fnd	3	0 ÷ 255	Fan delay after defrost	Interval between end of defrost and evaporator fans start (minutes)
Fno	1	0 ÷ 255 (min.)	Fan delay after compressor start	Fan delay after compressor start (minutes)
Fct	0	0 ÷ 50°C	Differential of temp. for activation of fans	(Fct=0 function disabled)
FSt	-2	-50 ÷ 50	Fan stop temperature	Setting of temperature, detected by evaporator probe, above which fans are always OFF
Fon	0	0÷15 (min.)	Fan on time with compressor off	With Fnc=C_n or C_y, (fan activated in parallel with compressor). it sets the evaporator fan ON/OFF cycling time when the compressor is off. With Fon=0 and FoF=0 the fan are always off
FoF	0	0÷15 (min.)	Fan off time with compressor off	When the compressor is off. With Fon=0 and FoF=0 the fan are always off
FSU	Std	Std Fon FOF	Fan operating mode	Std : standard working, according to Fnc FoF : by pushing the DOWN key for 3s the fan are enabled/disabled. Fon : with Fnc= C-n or C-y by pushing the DOWN key for 3s the fan passes from in parallel to the compressor to in continuous mode
ALC	rE	rE / Ab	Temperat. alarms configuration	Alarm temperature is given by the ALL or ALU values. rE=temperature alarms are referred to the set point
ALU	15	-50 ÷ 110	Maximum temperature alarm	When this temperature is reached the alarm is enabled, after the "ALd" delay time
ALL	8	-50 ÷ 110	Minimum temperature alarm	When this temperature is reached the alarm is enabled, after the "ALd" delay time
ALd	10	0 ÷ 255	Temperature alarm delay	Time interval between the detection of an alarm condition and alarm signalling
dAo	10.0	0 ÷ 23.50	Delay of temperature alarm at start up	Time interval between the detection of the temperature alarm condition after instrument power on
i1P	CL	CL ÷ OP	Digital input polarity (13-14)	oP : digital input is activated by opening the contact; CL : digital input is activated by closing the contact
i1F	dor	EAL ÷ dor	Digital input 1 configuration (13-14)	EAL= external alarm: "EA" message is displayed; bAL= serious alarm "CA" message is displayed. PAL= pressure switch alarm, "CA" message is displayed; dor= door switch function; dEF= activation of a defrost cycle; AUS=not enabled; Htr= kind of action inversion (cooling – heating); FAn= not set it; ES= Energy saving; onF = to switch the controller off
did	5	0 ÷ 255	Digital input alarm delay (13-14)	Delay between the detection of the external alarm condition and its signalling
nPS	0	0 ÷ 15	Number of activation of pressure switch	Number of activation of the pressure switch, during the "did" interval, before signalling the alarm event
odc	FAn	FAn ÷ F_C	Compressor and fan status when open door	no = normal; Fan = Fan OFF; CPr = Compressor OFF; F_C = Compressor and fan OFF.
rrd	n	n – Y	Regulation restart with door open alarm	no= outputs not affected by the doA alarm; yES = outputs restart with the doA alarm
HES	0	-30°C÷30°C	Differential for Energy Saving	It sets the increasing value of the set point during the Energy Saving cycle
Loc	n	n – y	Enabling of keyboard lock	Enabling of keyboard lock
Adr	-	0÷247	Serial address	Identifies the instrument address when connected to a ModBUS compatible monitoring system
PbC	ntc	PtC – nTC	Kind of probe	It allows to set the kind of probe used by the instrument: PbC = PBC probe, ntc = NTC probe
dP1	-	-	Room probe display	
dP2	-	-	Evaporator probe display	
rSE	-	Valore set	Real set	It shows the set point used during the energy saving cycle or during the continuous cycle
rEL	-	-	Software release	For internal use
Ptb	-	-	Map code	For internal use