







# INSTRUCTIONS FOR MODIFICATION OF USER PARAMETERS ( Serial Nos. With ' J ' suffix only )

## **1. HOW TO ENTER INTO PROGRAMMING MODE**

- 1A. Press the  ( ENTER ) for 5 seconds
- 1B. The first parameter label is displayed

## **2. HOW TO MODIFY A PARAMETER**

To modify a parameter proceed as follows:

- 2A. Enter into programming mode ( as per instructions above ).
- 2B. Press  ( UP ) or  ( DOWN ) until the parameter you want to change appears on the display
- 2C. Press  ( SET ) to see the value associated with that parameter.
- 2D. Modify the value by using the  ( UP ) or  ( DOWN ) until the new value is reached.
- 2E. Press  ( SET ) to show the next parameter

**TO EXIT:** Wait 15 seconds without pressing any keys.

**NOTE:** The new value will be retained even if exiting programming mode WITHOUT pressing

 SET )

LABEL	MSP-el	BSP-el	MSB hot gas	BSB hot gas	MDB-el	BDB-el	DESCRIPTION	RANGE	Level
HY	2	2	<b>2</b>	<b>2</b>	2	2	Differential	0,1 - 25,5 (0,1 °C)	1
LS	-5.0	-25.0	<b>-5.0</b>	<b>-25.0</b>	-5.0	-25.0	Minimum Permissible Set Point	-50,0°C - SET (0,1 °C)	1
US	10.0	-15.0	<b>10.0</b>	<b>-15.0</b>	10.0	-15.0	Maximum Permissible Set Point	SET - 150,0°C (0,1 °C)	1
OdS	0	0	<b>0</b>	<b>0</b>	0	0	Delay on START UP	0 - 255 (min.)	1
AC	2	2	<b>2</b>	<b>2</b>	2	2	Compressor Short Cycle Delay	0 - 30 (min.)	1
Con	15	15	<b>15</b>	<b>15</b>	15	15	Time of COMPRESSOR ON with Probe Fault	0 - 255 (min.)	1
CoF	30	30	<b>30</b>	<b>30</b>	30	30	Time of COMPRESSOR OFF with Probe Fault	0 - 255 (min.)	1
CF	°C	°C	<b>°C</b>	<b>°C</b>	°C	°C	Temperature Display in Degrees : Celsius or Fahrenheit	°C(0) - °F(1)	1
rES	dE	dE	<b>dE</b>	<b>dE</b>	dE	dE	Display Resolution ( for °C ) : whole , decimal	in(0) - dE(1)	1
Lod	P1	P1	<b>P1</b>	<b>P1</b>	P1	P1	Display Visualisation	P1(0) - P2(1) - P3(2)	1
tdF	rE	rE	<b>in</b>	<b>in</b>	rE	rE	Defrost Type : re = electric , in = hot gas	rE(0) - in(1)	1
EdF	in	in	<b>in</b>	<b>in</b>	in	in	Defrost Period Count : Real Time , Interval, Smart-defrost	in(0) , Sd(1)	1
SdF	0	0	<b>0</b>	<b>0</b>	0	0	Evaporation Set point for Smart Frost ( only if Edf set to Sd	-30 - 30 °C	1
dtE	8.0	8.0	<b>15.0</b>	<b>15.0</b>	8.0	8.0	Defrost Termination Temperature	-50,0 - 150,0°C	1
ldF	4	4	<b>4</b>	<b>4</b>	6	6	Defrost Interval ( Time between 2 defrosts )	1 - 120 (hrs)	1
MdF	30	30	<b>20</b>	<b>20</b>	25	35	Defrost Time Override ( maximum duration of Defrost )	0 - 255 (min.)	1
dFd	it	it	<b>it</b>	<b>it</b>	it	it	Display during Defrost	rt(0)- it(1)- Set(2)- dEF(3)- dEG(4)	1
dAd	15	15	<b>15</b>	<b>15</b>	15	15	Temperature Display Delay after Defrost	0 - 255 (min.)	1
dSd	0	0	<b>0</b>	<b>0</b>	0	0	Defrost Delay after Authorization	0 - 99 (min.)	1
Fdt	2	2	<b>2</b>	<b>2</b>	2	2	Drain Down Time Delay after Defrost	0 - 60 (min.)	1
dPo	n	n	<b>n</b>	<b>n</b>	n	n	Defrost on Start UP	n(0) - Y(1)	1
FnC	C-n	C-n	<b>C-n</b>	<b>C-n</b>	C-n	C-n	Evaporator Fans Operating Mode (C_n = Off with Comp. Off )	C_n(0) - C_Y(1) - O_n(2) - O_Y(3)	1
Fnd	3	3	<b>3</b>	<b>3</b>	3	3	Evaporator Fan Delay after Defrost	0 - 255 (min.)	1
FSt	40.0	40.0	<b>40.0</b>	<b>40.0</b>	40.0	40.0	Evaporator Fan Start Temp. ( fans start below this temp. )	-50,0 - 150,0 (0,1 °C)	1
ALC	rE	rE	<b>rE</b>	<b>rE</b>	rE	rE	Alarms Configuration : relative / absolute	rE(0) - Ab(1)	1
ALU	5.0	5.0	<b>5.0</b>	<b>5.0</b>	5.0	5.0	High Temperature Alarm Threshold	re[0,0 - 50,0] Ab[ -50,0 - 150,0]	1
ALL	5.0	5.0	<b>5.0</b>	<b>5.0</b>	5.0	5.0	Low Temperature Alarm Threshold	re[0,0 - 50,0] Ab[ -50,0 - 150,0]	1
AFH	2.0	2.0	<b>2.0</b>	<b>2.0</b>	2.0	2.0	Alarm Differential	0,1 - 25,5 (0,1 °C)	1
ALd	0	0	<b>0</b>	<b>0</b>	0	0	Alarm Delay (in normal function )	0 - 255 (min.)	1
dAo	3.0	4.0	<b>3.0</b>	<b>4.0</b>	3.0	4.0	Alarm Delay Time after Start-Up	0 - 23Hr	1
EdA	60	60	<b>60</b>	<b>60</b>	60	60	Alarm Delay Time after Defrost	0 - 255 (min.)	1
dot	60	60	<b>60</b>	<b>60</b>	60	60	Alarm Delay Time after Door Open ( if door switch fitted )	0 - 255 (min.)	1
doA	60	60	<b>60</b>	<b>60</b>	60	60	Door Open Alarm	0 - 255 (min.)	1
tbA	Y	Y	<b>Y</b>	<b>Y</b>	Y	Y	Alarm Mute Facility	n(0) - Y(1)	1
nPS	10	10	<b>10</b>	<b>10</b>	10	10	No. HP Trips before alarm given ( within time set in nPn )	nu(0), 1-15	1
nPn	60	60	<b>60</b>	<b>60</b>	60	60	Time Delay for HP Trips before Alarm Signal	nu(0), 1-60 (min.)	1
AU2	55	55	<b>55</b>	<b>55</b>	55	55	High Temperature Alarm 3rd Probe (P3) if Fitted.	-50,0 - 150,0 (0,1 °C)	1
AH2	2	2	<b>2</b>	<b>2</b>	2	2	High Temperature Alarm 3rd Probe (P3) Differential.	0,1 - 25,5 (0,1 °C)	1
Ad2	0	0	<b>0</b>	<b>0</b>	0	0	High Temperature Alarm 3rd Probe (P3) Delay.	0 - 255 (min.)	1
dA2	0	0	<b>0</b>	<b>0</b>	0	0	High Temperature Alarm Delay on Start-UP	0 - 23H5(143)	1
AC2	N	N	<b>N</b>	<b>N</b>	N	N	Prohibit Regulation of 3rd Probe (P3)	n(0) - Y(1)	1
ot	0.0	0.0	<b>0.0</b>	<b>0.0</b>	0.0	0.0	Calibration of Room Probe P1	-12,0 - 12,0	1
oE	0.0	0.0	<b>0.0</b>	<b>0.0</b>	0.0	0.0	Calibration of Defrost termination Probe P2	-12,0 - 12,0	1
o3	0.0	0.0	<b>0.0</b>	<b>0.0</b>	0.0	0.0	Calibration of 3rd Probe P3	-12,0 - 12,0	1
P2P	Y	Y	<b>Y</b>	<b>Y</b>	N	N	2nd Probe Present P2	n(0) - Y(1)	1
P3P	N	N	<b>N</b>	<b>N</b>	N	N	3 rd Probe Present P3	n(0) - Y(1)	1
HES	0	0	<b>0</b>	<b>0</b>	0	0	Increase in Temperature during Night Function	-30 - 30 °C	1
odC	F-C	F-C	<b>F-C</b>	<b>F-C</b>	F-C	F-C	Control for Open - Door : Evap. Fan & Compressor	no(0) - FAn(1) - CPr(2) - F-C(3)	1
rrd	Y	Y	<b>Y</b>	<b>Y</b>	Y	Y	Restart Regulation with Door Open Alarm	n(0) - Y(1)	1

<b>i1P</b>	OP	OP	<b>OP</b>	<b>OP</b>	OP	OP	Polarity 1° Digital Input	CL(0) - OP(1)	1
<b>i2P</b>	cL	cL	<b>cL</b>	<b>cL</b>	cL	cL	Polarity 2° Digital Input	CL(0) - OP(1)	1
<b>i3P</b>	OP	OP	<b>OP</b>	<b>OP</b>	OP	OP	Polarity 3° Digital Input	CL(0) - OP(1)	1
<b>i2F</b>	BAL	BAL	<b>BAL</b>	<b>BAL</b>	BAL	BAL	Function of 2° Digital Input	EAL(0) - bAL(1) - dFr(2) - dor(3) - ES(4) - OnF(5)	1
<b>i3F</b>	DOR	DOR	<b>DOR</b>	<b>DOR</b>	DOR	DOR	Function of 3° Digital Input	EAL(0) - bAL(1) - dFr(2) - dor(3) - ES(4) - OnF(5)	1
<b>did</b>	0	0	<b>0</b>	<b>0</b>	0	0	Digital Input delay for Configurable Alarm	0 - 255 (min.)	1
<b>Pbc</b>	NTC	NTC	<b>NTC</b>	<b>NTC</b>	NTC	NTC	Probe Type : ptc , ntc	Ptc(0) - ntc(1)	1
<b>Adr</b>	1	1	<b>1</b>	<b>1</b>	1	1	Serial Address for RS485 - ModBus	1 - 247	1
<b>dP1</b>							Probe P1 Display ( shows current value )	°C	1
<b>dP2</b>							Probe P2 Display ( shows current value )	°C	1
<b>dP3</b>							Probe P3 Display ( shows current value )	°C	1
<b>rEL</b>							Software Release Number		1
<b>Ptb</b>							EEPROM Mapping Code		1
<b>Pr2</b>							Entry to Hidden Parameters in PR2		1





## PARAMETER LISTING ( XW265K )

LABEL	M-el		B-el		M-gas		B-gas		MDB-el	BDB-el	SIZE	livello
HY	2	2	2	2	2	2					Differential 0,1 - 25,5 (0,1 °C)	1
LS	-5.0	-25.0	-5.0	-25.0	-5.0	-25.0					Minimum Permissible Set Point -50,0 °C - SET (0,1 °C)	1
US	10.0	-15.0	10.0	-15.0	10.0	-15.0					Maximum Permissible Set Point SET - 150,0 °C (0,1 °C)	1
OdS	0	0	0	0	0	0					Delay on START UP 0 - 255 (min.)	1
AC	2	2	2	2	2	2					Compressor Short Cycle Delay 0 - 30 (min.)	1
Con	15	15	15	15	15	15					Time of COMPRESSOR ON with Probe Fault 0 - 255 (min.)	1
CoF	30	30	30	30	30	30					Time of COMPRESSOR OFF with Probe Fault 0 - 255 (min.)	1
CF	°C	°C	°C	°C	°C	°C					Temperature Display in Degrees : Celsius or Fahrenheit °C(0) - °F(1)	1
rES	dE	dE	dE	dE	dE	dE					Display Resolution ( for °C ) : whole , decimal in(0) - dE(1)	1
Lod	P1	P1	P1	P1	P1	P1					Display Visualisation P1(0) - P2(1) - P3(2)	1
tdF	rE	rE	in	in	rE	rE					Defrost Type : re = electric , in = hot gas rE(0) - in(1)	1
EdF	in	in	in	in	in	in					Defrost Period Count : Real Time , Interval, Smart-defrost in(0) , Sd(1)	1
SdF	0	0	0	0	0	0					Evaporation Set point for Smart Frost ( only if Edf set to Sd -30 - 30 °C	1
dtE	8.0	8.0	15.0	15.0	8.0	8.0					Defrost Termination Temperature -50,0 - 150,0 °C	1
ldF	4	4	4	4	6	6					Defrost Interval ( Time between 2 defrosts ) 1 - 120 (hrs)	1
MdF	30	30	20	20	25	35					Defrost Time Override ( maximum duration of Defrost ) 0 - 255 (min.)	1
dFd	it	it	it	it	it	it					Display during Defrost rt(0)- it(1)- Set(2)- dEF(3)- dEG(4)	1
dAd	15	15	15	15	15	15					Temperature Display Delay after Defrost 0 - 255 (min.)	1
dSd	0	0	0	0	0	0					Defrost Delay after Authorization 0 - 99 (min.)	1
Fdt	2	2	2	2	2	2					Drain Down Time Delay after Defrost 0 - 60 (min.)	1
dPo	n	n	n	n	n	n					Defrost on Start UP n(0) - Y(1)	1
FnC	C-n	C-n	C-n	C-n	C-n	C-n					Evaporator Fans Operating Mode (C n = Off with Comp. Off) C n(0) - C Y(1) - O n(2) - O Y(3)	1
Fnd	3	3	3	3	3	3					Evaporator Fan Delay after Defrost 0 - 255 (min.)	1
FSt	40.0	40.0	40.0	40.0	40.0	40.0					Evaporator Fan Start Temp. ( fans start below this temp. ) -50,0 - 150,0 (0,1 °C)	1
ALC	rE	rE	rE	rE	rE	rE					Alarms Configuration : relative / absolute rE(0) - Ab(1)	1
ALU	5.0	5.0	5.0	5.0	5.0	5.0					High Temperature Alarm Threshold re[0.0 - 50.0] Ab[-50.0 - 150.0]	1
ALL	5.0	5.0	5.0	5.0	5.0	5.0					Low Temperature Alarm Threshold re[0.0 - 50.0] Ab[-50.0 - 150.0]	1
AFH	2.0	2.0	2.0	2.0	2.0	2.0					Alarm Differential 0,1 - 25,5 (0,1 °C)	1
ALd	0	0	0	0	0	0					Alarm Delay (in normal function ) 0 - 255 (min.)	1
dAo	3.0	4.0	3.0	4.0	3.0	4.0					Alarm Delay Time after Start-Up 0 - 23Hr	1
EdA	60	60	60	60	60	60					Alarm Delay Time after Defrost 0 - 255 (min.)	1
dot	60	60	60	60	60	60					Alarm Delay Time after Door Open ( if door switch fitted ) 0 - 255 (min.)	1
doA	60	60	60	60	60	60					Door Open Alarm 0 - 255 (min.)	1
tbA	Y	Y	Y	Y	Y	Y					Alarm Mute Facility n(0) - Y(1)	1
nPS	10	10	10	10	10	10					No. HP Trips before alarm given ( within time set in nPn ) nu(0), 1-15	1
nPn	60	60	60	60	60	60					Time Delay for HP Trips before Alarm Signal nu(0), 1-60 (min.)	1
AU2	55	55	55	55	55	55					High Temperature Alarm 3rd Probe (P3) if Fitted. -50,0 - 150,0 (0,1 °C)	1
AH2	2	2	2	2	2	2					High Temperature Alarm 3rd Probe (P3) Differential. 0,1 - 25,5 (0,1 °C)	1
Ad2	0	0	0	0	0	0					High Temperature Alarm 3rd Probe (P3) Delay. 0 - 255 (min.)	1
dA2	0	0	0	0	0	0					High Temperature Alarm Delay on Start-UP 0 - 23H5(143)	1
AC2	N	N	N	N	N	N					Prohibit Regulation of 3rd Probe (P3) n(0) - Y(1)	1
ot	0.0	0.0	0.0	0.0	0.0	0.0					Calibration of Room Probe P1 -12,0 - 12,0	1
oE	0.0	0.0	0.0	0.0	0.0	0.0					Calibration of Defrost termination Probe P2 -12,0 - 12,0	1



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<b>o3</b>	0.0	0.0	0.0	0.0	0.0	0.0	Calibration of 3rd Probe P3	-12.0 - 12.0	1
<b>P2P</b>	Y	Y	Y	Y	N	N	2nd Probe Present P2	n(0) - Y(1)	1
<b>P3P</b>	N	N	N	N	N	N	3 rd Probe Present P3	n(0) - Y(1)	1
<b>HES</b>	0	0	0	0	0	0	Increase in Temperature during Night Function	-30 - 30 °C	1
<b>odC</b>	F-C	F-C	F-C	F-C	F-C	F-C	Control for Open - Door : Evap. Fan & Compressor	no(0) - FAn(1) - CPr(2) - F-C(3)	1
<b>rrd</b>	Y	Y	Y	Y	Y	Y	Restart Regulation with Door Open Alarm	n(0) - Y(1)	1
<b>i1P</b>	OP	OP	OP	OP	OP	OP	Polarity 1° Digital Input	CL(0) - OP(1)	1
<b>i2P</b>	cL	cL	cL	cL	cL	cL	Polarity 2° Digital Input	CL(0) - OP(1)	1
<b>i3P</b>	OP	OP	OP	OP	OP	OP	Polarity 3° Digital Input	CL(0) - OP(1)	1
<b>i2F</b>	BAL	BAL	BAL	BAL	BAL	BAL	Function of 2° Digital Input	EAL(0) - bAL(1) - dFr(2) - dor(3) - ES(4) - OnF(5)	1
<b>i3F</b>	DOR	DOR	DOR	DOR	DOR	DOR	Function of 3° Digital Input	EAL(0) - bAL(1) - dFr(2) - dor(3) - ES(4) - OnF(5)	1
<b>did</b>	0	0	0	0	0	0	Digital Input delay for Configurable Alarm	0 - 255 (min.)	1
<b>Pbc</b>	NTC	NTC	NTC	NTC	NTC	NTC	Probe Type : ptc , ntc	Ptc(0) - ntc(1)	1
<b>Adr</b>	1	1	1	1	1	1	Serial Address for RS485 - ModBus	1 - 247	1
<b>dP1</b>							Probe P1 Display ( shows current value )	°C	1
<b>dP2</b>							Probe P2 Display ( shows current value )	°C	1
<b>dP3</b>							Probe P3 Display ( shows current value )	°C	1
<b>rEL</b>							Software Release Number		1
<b>Ptb</b>							EEPROM Mapping Code		1
<b>Pr2</b>							Entry to Hidden Parameters in PR2		1