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Kegco XCK-1 Control Panel

Set Point

- PRESS & HOLD “SET” for 1 second. “SET POINT” value will be displayed
- PRESS ARROW “UP” or “DOWN” to set the desired value. **
- PRESS “SET” to confirm the value

Frequent (F) Parameters

PRESS & HOLD “SET” for approx 5 seconds “PS” will be displayed

- **A)** PRESS “ARROW UP” or “DOWN” to select the parameter to be changed. eg rd = differential
- **B)** PRESS “SET” The Value Set for this parameter will be displayed
- **C)** PRESS ARROW “UP” or “DOWN” to set the desired value. **
- **D)** PRESS “SET” to confirm the value
  REPEAT A-D until all desired parameters have been set
  PRESS & HOLD “SET” until temp is displayed (approx 5 seconds) to confirm all changes

All Parameters

- PRESS & HOLD “SET” for approx 5 seconds “PS” will be displayed
- PRESS “SET” then “ARROW UP” until the password value “22” is displayed
- PRESS “SET” to confirm “PS” will be displayed
- A) PRESS “ARROW UP” or “DOWN” to select the code of the parameter to be changed. eg rd = differential
- B) PRESS “SET”. The Value Set for this parameter will be displayed
- C) PRESS “ARROW UP” or “DOWN” to set the desired value.
- D) PRESS “SET” to confirm the value
  - REPEAT A-D until all desired parameters have been set.
  - PRESS & HOLD “SET” until the temp is displayed (approx 5 seconds) to confirm all changes

Please note: Please read these instruction in conjunction with the parameter list. It is recommended that the controllers be programmed before connecting or activating the plant to be controlled (eg. compressors)
** If the controller is keypad locked the value will not change. See parameter H2.

Summary of Operating Parameters

Code	Parameter	Unit	Type	Min.!Maxj Def.	New

/2	Probe measurement stability		C	1	15	4	
/4	Select display probe		F	1	3	1	
/5	Select °Cor °F(0 = 0c)		C	0		0	
/6	Decimal point (0 = enabled, 1 = disabled)		C	0		0	
/C1	Calibration of probe 1	oc/oF	F	-127	+127	0	
/C2	Calibration of probe 2	oc/oF	F	-127	+127	0	
/C3	Calibration of probe 3	oc/oF	F	-127	+127	0	
St	Temperature set point	oc/oF	s	r1	r2	4	
rd	Controller differential	oc/oF	F	0	19	2	
r1	Minimum Set Point allowed	oc/oF	C	-50	r2	-50	
r2	Maximum Set Point allowed	oc/oF	C	r1	+150	90	
r3	Mode 0=cool with defrost,1=cool only, 2=heating	flag	C	0	2	0	
r4	Value to increase Set Point by from Digital Input	oc/oF	C	0	20	3	
co	Comp. and fan start delay at power up	min	C	0	100	0	

c1	Minimum time between 2 comp st arts	min	C	0	100	0	
c2	Minimum compressor OFF time	min	C	0	100	0	
c3	Minimum compressor ON time	min	C	0	100	0	
c4	Duty setting	min	C	0	100	0	
cc	Duration of continuous cycle	hours	C	0	15	4	
c6	Alarm bypass after continuous cy cle	hours	C	0	15	2	
d0	Defrost type (0=elec / temp,1= H. Gas / temp		C	0	4	0	
	2 = elec / time, 3 = hot gas/ time …)						
di	Interval between defrosts (if not u sing real time)	hours	F	0	199	8	
dt	End defrost temperature,(if d0 = 0 or 1)	oc/oF	F	-50	127	4	
dP	Maximum defrost duration	min	F	1	199	30	
d4	Defrost at power up (0 = no, 1 = y es)		C	0		0	
d5	Defrost delay at power up (if d4=1)	min	C	0	199	0	
d6	Display during def.(0=dF (flash),1 =locked)		C	0		1	

dd	Dripping time after defrost	min	F	0	15	2	
d8	Bypass alarms after defrost	hours	F	0	15	1	
d8d	Alarm delayafter door open – from dig input	hours	C	0	250	0	
d9	Defrost priority over compressor p rotection		C	0		0	
d/	Display defrost probe temp d/1=def P1,d/2=def P2)	oc/oF	F				
dC	Time basis for defrost (0=hr/min, 1=min/sec)		C	0		0	
AO	Alarm and fan differential	oc/oF	C	-20	20	0	
AL	Low alarm temp (if A0=<0 absolut e, if A0>0 relative)	oc/oF	F	-50	150	-50	
AH	High alarm temp (if A0=<0 absolut e, if A0>0 relative)	oc/oF	F	-50	150	150	
Ad	Low and high temperature alarm delay	min	C	0	199	0	
A4	Configuration of digital input 1		C	0	11	0	
A7	External alarm delay if using digital input	min	C	0	199	0	
A8	Enable alarm ‘Ed’ (defrost end on time)	flag	C	0		0	
Ac	High condenser temperature alar m set point	oc/oF	C	-50	150	70	

Code	Parameter	Unit	Type	Min.!Maxj Def.			New
AE	High cond. temp. alarm differential	oc/oF	C	0.1	20	5	
Acd	High cond. temp. alarm delay	min	C	0	250	0	
F0	Enable evaporator fan control	flag	C	0		0	
F1	Evaporator fan control set point	oc/oF	F	-50	127	5	
F2	Fans cycle with comp (0=no, 1=yes)	flag	C	0			
F3	Fans in defrost (0 = on, 1 = off)	flag	C	0			
Fd	Fans delay after dripping	min	F	0	15		
HO	Serial address		C	0	207	1	
H1	AUX output configuration	flag	C	0	3	0	
H2	Enable keypad (0=enabled, 1 = dis abled)	flag	C	0		1	
H4	Disable buzzer (0=enabled, 1 = dis abled)	flag	C	0		0	
H5	ID code (read-only)	flag	F	0	31		
EZY	Select set of default parameters		C	0	4	0	

EZY parameter

PJEZ (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)
PJEZ (C, Y)	EZY = 1: low temperature with hot gas defrost
	EZY = 2:low temperature 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

ALARM TABLE				
Alarm code	**Buzzer & alarm relay**	**LED**	**Description**	**Parameters involved**
E0	active	ON	probe 1 error (control)	
E1	not active	ON	probe 2 error (defrost)	[d0 = 0/1/4] [F0 = 1]
E2	not active	ON	probe 3 error (cond)	[A4 = 10]
IA	active	ON	external alarm	[A4 = 1] [+A7]
dOR	active	ON	open door alarm	[A4 = 7/8] [+A7]

LO	active	ON	low temperature alarm	[AL] [Ad]
HI	active	ON	high temperature alarm	[AH] [Ad]
EE	not active	ON	unit parameter error	
EF	not active	ON	operating parameter error	
Ed	not active	ON	defrost ended by timeout	[dP] [dt] [d4] [A8]
dF	not active	OFF	defrost running	[d6 = 0]
cht	not active	ON	dirty condenser pre-alarm	[A4 = 10]
CHt	active	ON	dirty condenser alarm	[A4 = 10]
EtC	not active	ON	clock alarm	if bands active

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Documents / Resources

	Kegco XCK-1 Control Panel [pdf] Instruction Manual XCK-1, XCK-1 Control Panel, XCK-1, Control Panel, Panel

References

- User Manual

Kegco Control Panel, Kegco, Panel, XCK-1, XCK-1 Control Panel

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