HOW TO UNLOCK THE KEYPAD

1. Press and hold any key. **Loc** will initially be displayed. Release the key when **Loc** changes to **UnL**.

Note: The keys on the control will lock after 30 seconds of inactivity.

HOW TO CHANGE THE SET POINT

1. Unlock the keypad.
2. Press and release the **SET** key. The current set point will be displayed on the screen and the Compressor Status LED will FLASH.
3. Use the **UP** or **DOWN** keys to adjust the control to the desired set point.
4. Press and release the **SET** key to save the new set point.

HOW TO INITIATE A MANUAL DEFROST

1. Unlock the keypad.
2. Press and hold the **UP/DEFROST** key for 3 seconds. The defrost Status LED will turn ON.

Note: Defrost will not activate if the defrost temperature is above the defrost cut-out temperature.

HOW TO TURN OFF UNIT

1. Unlock keypad.
2. Press and hold the **POWER** key until the display goes blank and the Power Status LED turns on.

Note: To turn the control back ON, press and hold the **POWER** button for 3 seconds. The control will resume normal operation.

HOW TO CHANGE PARAMETERS

1. Unlock the keypad.
2. Press and hold the **SET** key until **PA** is shown on the display, then release the **SET** key.
3. Press and release the **SET** key to select **PA**.
4. Use the **DOWN** key to navigate to -19, then press and release the **SET** key. **SP** will be shown on the display.
5. Use the **UP** or **DOWN** keys to navigate to the desired parameter.
6. Press and release the **SET** key. The current value of the selected parameter will be shown on the display.
7. Use the **UP** or **DOWN** keys to change the selected parameter's value. Press and release the **SET** key to save the new value. Press and release the **POWER** key to resume normal operation.

Note: See separate table of parameters for parameter list.

HOW TO VIEW PROBE TEMPERATURES

1. Unlock the keypad.
2. Press and hold the **DOWN** key until the display changes.
3. Use the **UP** and **DOWN** keys to navigate to the desired probe (see chart below).
4. Press and release the **SET** key to display the temperature.

5. Press and release the **SET** key to go back to probe level menu or press and release the **POWER** key to go back to normal operation.

Code	Probe	Location	Color
Pb1	Regulation Probe	Return Air	Black
Pb2	Defrost Probe	Evaporator Coil	Red
Pb3	Ambient Probe	Condenser Inlet Air	White

HOW TO SILENCE ALARMS

1. Press any key to silence the beeper. The display will continue to alternate between the alarm code and the regulation temperature.

ALARM CODES AND RESET TYPES

Code	Description	Reset
Pr1	Regulation Probe Error	Automatic
Pr2	Evaporator Probe Error	Automatic
Pr3	Ambient Probe Error	Automatic
AL	Low Temperature Alarm	Automatic
AH	High Temperature Alarm	Automatic
PF	Power Failure Alarm	Manual

HOW TO TEST INDIVIDUAL RELAYS

1. Unlock the keypad.
2. Press and hold the **SET** key for 3 seconds until **PA** is shown on the display. Release the **SET** key.
3. Press and release the **SET** key.
4. Use the **UP** key to navigate to 19. Then press and release the **SET** key. **- - -** will be shown on the display.

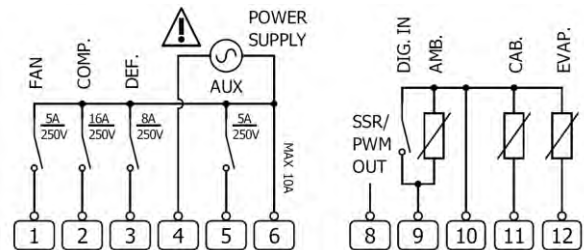**Note:** If no buttons are pressed for 10 seconds, the control will return to normal operation.

5. Press and release the **UP** key. U1 will be shown on the display and relay 1 will be activated

Note: There is a 2-minute maximum time for each relay test. If the UP button is not pressed within 2 minutes, the control will go back to normal operation.

6. Press and release the **UP** key. U2 will be shown on the display and relay 2 will be activated. Continue this procedure for all relays.
7. Press the **UP** key after the last relay to exit the relay test mode and return to normal operation.

U1	U2	U3	U4
Compressor	Defrost Heater (Freezer Only)	Evaporator Fan	Fascia Heater

CONTROL TERMINALS

PROBE RESISTANCE VALUES

Temperature °F	°C	Resistance Typ. kΩ	Temperature °F	°C	Resistance Typ. kΩ	Temperature °F	°C	Resistance Typ. kΩ	Temperature °F	°C	Resistance Typ. kΩ	Temperature °F	°C	Resistance Typ. kΩ
-15	-26	90.84	16	-9	40.57	46	8	19.48	77	25	10.00	108	42	5.44
-13	-25	86.43	18	-8	38.77	48	9	18.70	79	26	9.63	109	43	5.26
-11	-24	82.26	19	-7	37.06	50	10	17.96	81	27	9.28	111	44	5.08
-9	-23	78.33	21	-6	35.44	52	11	17.24	82	28	8.94	113	45	4.91
-8	-22	74.61	23	-5	33.90	54	12	16.56	84	29	8.62	115	46	4.75
-6	-21	71.10	25	-4	32.44	55	13	15.90	86	30	8.31	117	47	4.59
-4	-20	67.77	27	-3	31.05	57	14	15.28	88	31	8.01	118	48	4.44
-2	-19	64.57	28	-2	29.73	59	15	14.69	90	32	7.73	120	49	4.30
0	-18	61.54	30	-1	28.48	61	16	14.12	91	33	7.45	122	50	4.16
1	-17	58.68	32	0	27.28	63	17	13.58	93	34	7.19	124	51	4.03
3	-16	55.97	34	1	26.13	64	18	13.06	95	35	6.94	126	52	3.90
5	-15	53.41	36	2	25.03	66	19	12.56	97	36	6.70	127	53	3.77
7	-14	50.98	37	3	23.99	68	20	12.09	99	37	6.47	129	54	3.65
9	-13	48.68	39	4	23.00	70	21	11.63	100	38	6.28			
10	-12	46.50	41	5	22.05	72	22	11.20	102	39	6.03			
12	-11	44.43	43	6	21.15	73	23	10.78	104	40	5.83			
14	-10	42.47	45	7	20.30	75	24	10.38	106	41	5.63			

ELECTRONIC CONTROL PARAMETERS

	Label	Name		Unit	FREEZER EV3254 > 0D-AD Set
Analog Inputs	SP	Set Point (Cutout)		°F / °C	-5
	CA1	Probe 1 Offset (Regulation)		°F / °C	0
	CA2	Probe 2 Offset (Evaporator)		°F / °C	0
	CA3	Probe 3 Offset (Ambient)		°F / °C	0
	P1	Display Celsius Decimal Point	0. No 1. Yes	-	0
	P2	Temperature Unit	0. °C 1. °F	-	1
	P8	Display Refresh Rate		Seconds	25
Regulation	r0	Differential (Positive)		°F / °C	5
	r1	Minimum Set Point		°F / °C	-15
	r2	Maximum Set Point		°F / °C	15
Compressor	C0	Power-On Compressor Delay		Minutes	1
	C2	Minimum Compressor OFF Time		Minutes	1
	C3	Minimum Compressor ON Time		Seconds	60
Defrost	d0	Maximum Defrost Interval	6. d8 set 0 (Time Defrost) 12. d8 set 3 (Adaptive)	Hours	12
	d1	Defrost Method	0. Electric 2. Compressor Stop	-	0
	d2	Defrost Termination Temperature		°F / °C	50
	d3	Maximum Defrost Duration		Minutes	40
	d6	Display During Defrost	0. Probe 1. Freeze Display 2. DEF	-	1
	d7	Post-Defrost Dripping Time		Minutes	3
	d8	Defrost Interval Type	0. Time 1. Compressor Runtime 2. Hours Evap Temp<d9 3. Adaptive	-	3

ELECTRONIC CONTROL PARAMETERS CONT.

	Label	Name		Unit	Set
Alarm	AA	Temperature Alarm Probe	0. Cabinet Probe 1. Condenser Probe	-	0
	A1	Low Temperature Alarm Threshold		°F / °C	-20
	A4	High Temperature Alarm Threshold		°F / °C	40
	A6	Alarm Arming Time after Power-On		10 Minutes	60
	A7	Temperature Alarm Delay Time		Minutes	60
	A8	Alarm Arming Time after Defrost		Minutes	60
	A10	Power Failure Alarm Delay Time		Minutes	10
Evaporator Fan	F0	Fan Operation (Normal Operation)	0. Off 1. On 2. Match Compressor 3. Temperature Regulated 4. Temperature Regulated (Compressor ON)	-	2
	F1	Fan Set Point (Only if F0 is 3 or 4)		°F / °C	23
	F2	Fan Operation (Defrost)	0. Off 1. On 2. F0	-	0
	F7	Fan Relative Set Point after Dripping		°F / °C	23
	F9	Fan OFF Delay (When Compressor Turns OFF)		Seconds	60
	F15	Fan OFF Time (Compressor OFF, Only if F0 is 2, 4)		Seconds	180
	F16	Fan ON Time (Compressor OFF, Only If F0 is 2, 4)		Seconds	60
Alarm	u4	Alarm Ouput OFF if Alarm Muted	0. No 1. Yes	-	0
	u5	Fascia Heater Setpoint		°F / °C	80
Safeties	POF	Control Enable ON/OFF Button	0. Disabled 1. Enabled	-	1
	PAS	Control Password		-	-19

Top-right label: **FREEZER** EV3254 > 0D-AD

STATUS LEDS

LED	ON	OFF	FLASHING
❄	Compressor ON	Compressor OFF	• Compressor Protection ACTIVE • Setpoint Setting ACTIVE
❅	Defrost ACTIVE	-	• Dripping ACTIVE
🌀	Evaporator Fan ON	Evaporator Fan OFF	• Fan Stop ACTIVE
AUX	Fascia Heaters ON	Fascia Heaters OFF	-
⏻	Device OFF	Device ON	-