

# EVCO CONTROLLER PARAMETERS

## WORKING SETPOINTS

	MIN.	MAX.	U.M.	EVK211	Working Setpoints
	r1	r2	°C/°F (1)	0.0	Working Setpoint

## CONFIGURATION PARAMETERS

PARAMETERS	MIN.	MAX.	U.M.	EVK211	Working Setpoints
SP	r1	r2	°C/°F (1)	0.0	Working Setpoint

PARAMETERS	MIN.	MAX.	U.M.	EVK211	Measure Inputs
CA1	-25.0	25.0	°C/°F (1)	0.0	Cabinet probe offset

P0	0	1	--	1	Kind of probe 0 = PTC 1 = NTC
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P1	0	1	--	1	Decimal point Celsius degree (for the quantity to show during the normal operation) 1 = Yes
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P2	0	1	--	0	Unit of measure temperature (2) 0 = °C 1 = °F
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P5	0	1	--	0	Quantity to show during normal operation 0 = Cabinet temperature 1 = Working setpoint
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## PARAMETERS MIN. MAX. U.M. EVK211 Main Regulator

r0	0.1	15.0	°C/°F (1)	2.0	Working setpoint differential
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r1	-99.0	r2	°C/°F (1)	-50.0	Minimum working setpoint
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r2	r1	99.0	°C/°F (1)	50.0	Maximum working setpoint
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r3	0	1	--	0	Locking the working setpoint modification (with the procedure related in paragraph 3.1) 1 = Yes
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## PARAMETERS MIN. MAX. U.M. EVK211 Compressor Protections

C0	0	240	min	0	Compressor delay since you turn on the instrument
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C1	0	240	min	5	Minimum time between two activations in succession of the compressor; also compressor delay since the end of the cabinet probe error (3)
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C2	0	240	min	3	Minimum time the compressor remains turned off
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C3	0	240	s	0	Minimum time the compressor remains turned on
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C4	0	240	min	10	Time the compressor remains turned off during the cabinet probe error; also look at C5
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C5	0	240	min	10	Time the compressor remains turned on during the cabinet probe error; also look at C4
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## PARAMETERS MIN. MAX. U.M. EVK211 Defrost

d0	0	99	h	8	Defrost interval; also look at d8 (5) 0 = the defrost at intervals will never be activated
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d3	0	99	min	30	Defrost duration 0 = the defrost will never be activated
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d4	0	1	--	0	Defrost when you turn on the instrument 1 = Yes
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d5	0	99	0	0	Defrost delay when you turn on the instrument (only if d4 = 1)
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d6	0	1	--	1	Temperature shown during the defrost 0 = cabinet temperature 1 = if to the defrost activation the cabinet temperature is below "working setpoint + r0", at most "working setpoint + r0"; if to the defrost activation the cabinet temperature is above "working setpoint + r0", at most the cabinet temperature to the defrost activation (6)
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d8	0	1	--	0	Kind of defrost interval 0 = the defrost will be activated when the instrument will have remained turned on the time d0 1 = The defrost will be activated when the compressor will have remained turned on the time d0
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PARAMETERS	MIN.	MAX.	U.M.	EVK211	Temperature Alarms
A1	-99.0	99.0	°C/°F (1)	-10.0	Temperature below which the lower temperature alarm is activated; also look at A2 (4)
A2	0	2	--	1	Kind of lower temperature alarm 0 = alarm not enabled 1 = relative to the working setpoint (or "working setpoint - A1" ; consider A1 without sign) 2 = Absolute (or A1)
A4	-99.0	99.0	°C/°F (1)	10.0	Temperature above which the upper temperature alarm is activated; also look at A5 (4)
A5	0	2	---	1	Kind of upper temperature alarm 0 = alarm not enabled 1 = relative to the working setpoint (or "working setpoint + A4" ; consider A4 without sign) 2 = absolute (or A4)
A6	0	240	min	120	Upper temperature alarm delay since you turn on the instrument
A7	0	240	min	15	Temperature alarm delay
A8	0	240	min	15	Upper temperature alarm delay since the end of the defrost (7)
PARAMETERS	MIN.	MAX.	U.M.	EVK211	Serial Network (MODBUS)
LA	1	247	---	247	Instrument address
Lb	0	3	---	2	Baud rate 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud
LP	0	2	---	2	Parity 0 = none 1 = odd 2 = even
PARAMETERS	MIN.	MAX.	U.M.	EVK211	Reserved
E9	0	1	---	1	Reserved
NOTES					
(1)	The unit of measure depends on parameter P2				
(2)	<b>Set the parameters related to the regulators appropriately after the modification of the parameter P2</b>				
(3)	If parameter C1 has value 0, the delay since the end of the cabinet probe error will however be 2 min				
(4)	The differencial of the parameter is 2.0 °C/4 °F				
(5)	The instrument stores the count of the defrost interval every 30 min (only EVK211); the modification of parameter d0 has effect since the end of the previous defrost interval or since the activation of a defrost by hand				
(6)	The display restores the normal operation as soon as the defrost ends and the cabinet temperature falls below the one that has locked the display (or if a temperature alarm arises)				
(7)	During the defrost the temperature alarms are not enabled, on condition that they have arisen after the activation of the defrost				