EV3203

Controllers for refrigerated cabinets, counters and islands, with energy-saving strategies

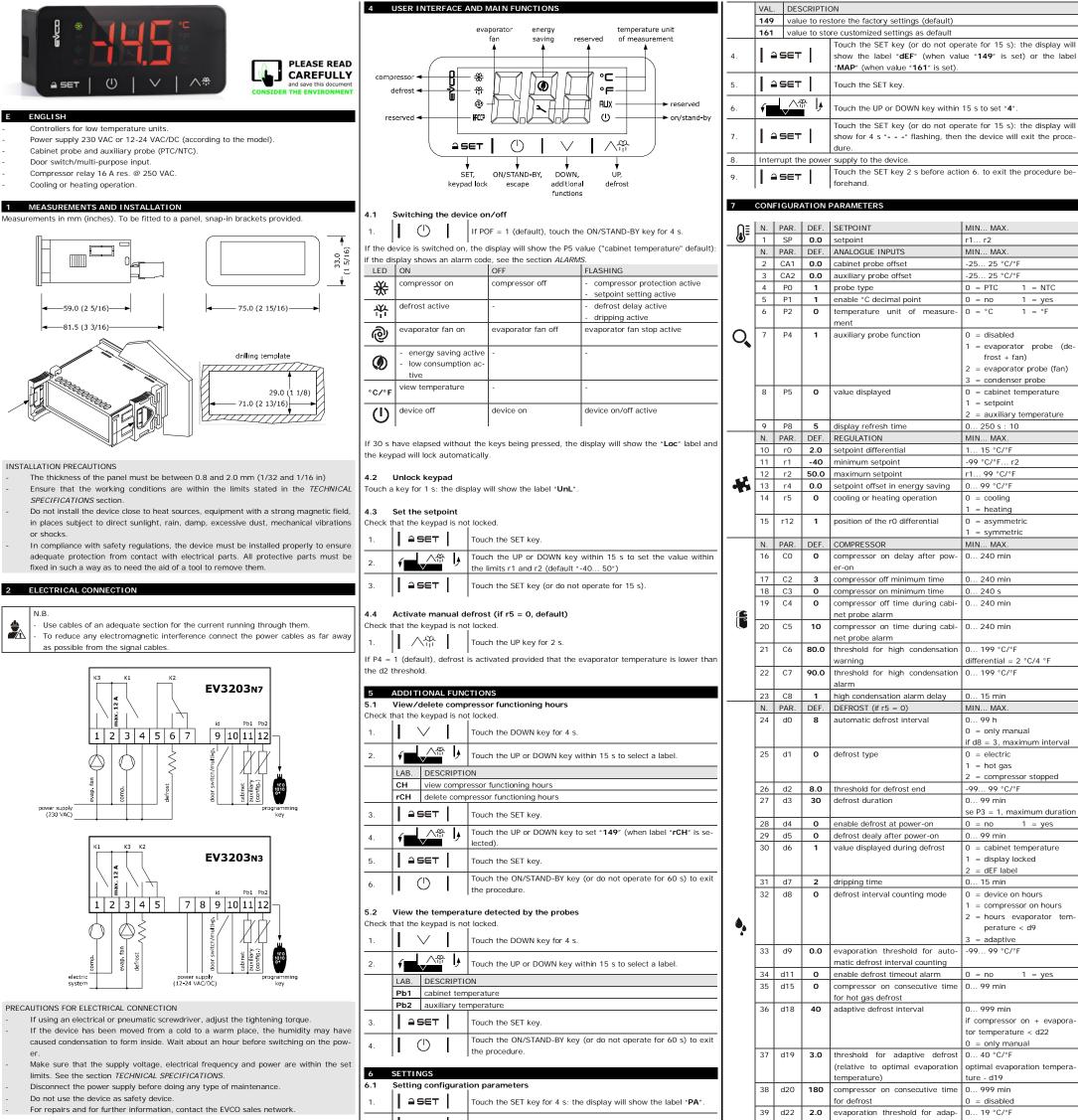


1 = NTC

1 = yes

 $1 = {}^{\circ}F$

1 = yes



-	rorrep		the LVCO sales network.				
3	FIRST-	TIME		2.	≙ SET	Touch the SET key.	
1.	Install <i>TION</i> .	following the instructions given in the	section MEASUREMENTS AND INSTALLA-	3.	√ ↑	Touch the UP or DOWN key within 15 s to set the PAS value (default "-19").	
2.		up the device as shown in the section <i>E</i> I be run.	ELECTRICAL CONNECTION and an internal	4.	≙ set	Touch the SET key (or do not operate for 15 s): the display will show the label "SP".	
3.		t normally takes a few seconds, when it ire the device as shown in the section S	1 3	5.	و ∧∰	Touch the UP or DOWN key to select a parameter.	
PAR.	Recomi DEF.	nended configuration parameters for fir PARAMETER	st-time use. MIN MAX.	6.	≏set	Touch the SET key.	
SP PO	0.0	setpoint probe type	r1 r2 0 = PTC 1 = NTC	7.	ب	Touch the UP or DOWN key within 15 s to set the value.	
P2 d1	0	temperature unit of measurement defrost type	$0 = {}^{\circ}C \qquad 1 = {}^{\circ}F$ 0 = electric 1 = hot gas	8.	≙ SET	Touch the SET key (or do not operate for 15 s).	
			2 = compressor stopped	9.	≙set	Touch the SET key for 4 s (or do not operate for 60 s) to exit the procedure.	
4.	TION P	heck that the remaining settings are a ARAMETERS. nect the device from the mains.	ppropriate; see the section CONFIGURA-	6.2 Restore the factory settings (default) and store customized settings as default			
5.		ne electrical connection as shown in the vering up the device.	e section ELECTRICAL CONNECTION with-	N.B. - Check that the factory settings are appropriate; see the section CONFIGURATION PARAMETERS.			
6.	Power (up the device.		 PARAMETERS. the storing of customized settings overwrites the default. 			
				1.	A SET	Touch the SET key for 4 s: the display will show the label "PA".	

≙ SET

Touch the SET key.

Touch the UP or DOWN key within 15 s to set the value

_		39	022	2.0	tive defrost interval counting (relative to optimal evaporation	
_		N.	PAR.	DEF.	temperature) ALARMS	MIN MAX.
L		40	A1	10.0	threshold for low temperature	0 99 °C/°F
_					alarm (relative to setpoint)	SP - A1
						0 = disabled
_		41	A4	10.0	threshold for high temperature	0 99 °C/°F
					alarm (relative to setpoint)	SP + A4
_						0 = disabled
		41	A6	12	high temperature alarm delay af- ter power-on	0 99 min x 10
	X3	43	A7	15	high/low temperature alarms de- lay	0 240 min
Э		44	A8	15	high temperature alarm delay af- ter defrost	0 240 min
t		45	A9	15	high temperature alarm delay af- ter door closing	0 240 min
		46	A11	2.0	high/low temperature alarms re- set differential	1 15 °C/°F
v		N.	PAR.	DEF.	FANS	MIN MAX.
	3	47	FO	3	evaporator fan mode during normal operation	$\begin{array}{llllllllllllllllllllllllllllllllllll$
	-					F1) if compressor on
-		48	F1	-1.0	threshold for evaporator fan op- eration	-99 99 °C/°F differential = 2 °C/4 °F
		49	F2	0	evaporator fan mode during de- frost and dripping	0 = off 1 = on 2 = according to F0

EVCO S.	p.A. 50	EV3203 F3	l Instru 2	evaporat time				03 Page 2 of 2 PT 2/17 0 15 min		
	51 52	F4 F5	30 30	evaporat energy s	or fan o			0 240 s x 10 0 240 s x 10		
	N. 53	PAR. iO	DEF. 1	DIGITAL INPUTS door switch/multi-purp function			e input	MIN MAX. 0 = disabled 1 = compressor + evaporator fan off 2 = evaporator fan off 3 = energy saving 4 = iA alarm 5 = iA alarm		
	54	i1	0	door sw activatio		-purpose input (switch)		
ľ	55	i2	30	open doo	or alarm d	elay		-1 120 min -1 = disabled if i0 = 3, multi-purpose input alarm delay if i0 = 4, compressor on de- lay after alarm reset		
	56	i3	15	regulatio	n inhibit	ion m	aximum	-1 120 min		
	57	i10	0	1	n door ope sed conse aving		time for	-1 = until the closing 0 999 min after regulation temperature < SP		
	58	58 i13 180 number of door op				penings for de-		0 = disabled 0 240		
	59	frost			cutive t	ime for	0 = disabled 0 240 min			
	N	defrost				0 = disabled				
> 0.,	N. 60	N. PAR. DEF. ENERGY SAVING (60 HE2 0 energy saving max					MIN MAX. 0 999 min			
•	61 HE3 0			consecutive time without operat-		-1 = until the door opening 0 240 min				
	N.	PAR.	AR. DEF.	ing on ke SAFETIE	ing on keys for low consump		mption	MIN MAX.		
$\overline{\heartsuit}$	62	POF	1	enable O	N/STAND	-BY key		0 = no 1 = yes		
	63	PAS	-19	password	r 1			-99 999		
8	ALAF	MS								
COD.		CRIPTIC		-	RESET		REMED			
Pr1 Pr2			be alarn obe alar		automat automat		- chec	< PO < probe integrity		
AL	low	tompor	ature al		automat	in	- chec check A	k electrical connection		
			rature a		automat		check A			
id COH		n door a		warning	automat automat		check i			
CSd			nsation		manual	.ic	ic check C6 - switch the device off and on			
iA	mult	i-purpo	se inpu	t alarm	automat	ic	- check			
dFd			eout ala		manual		- touch			
Catego Measu 75.0 x 2 5/16	Construction of the control device Container Category of heat and fire resistance Measurements 75.0 x 33.0 x 59.0 mm (2 15/16 x 1 5/16 x 2 5/16 in) with fixed screw terminal blocks Mounting methods for the control device						Black, self-extinguishing D 75.0 x 33.0 x 81.5 mm (2 15/16 x 1 5/16 x 3 3/16 in) with removable screw terminal blocks To be fitted to a panel, snap-in brackets pro- vided			
-	e of p	protectio	on prov				fitted to	a panel, snap-in brackets pro-		
ing Conne	ction			ided by th	ne cover-			a panel, snap-in brackets pro-		
_		method		ided by th	ne cover-	vided		a panel, snap-in brackets pro-		
Fixed			1	ided by th		vided IP65 (Remo	front) vable scr	ew terminal blocks for wires up		
Fixed : 2,5 mr Maxim	n² um p	termir ermittee	nal bloc	ks for wir	es up to	vided IP65 (Remo to 2,5 es	front) vable scr mm²; by	ew terminal blocks for wires up y request		
Fixed 2,5 mr Maxim Power	m² um p supp	r termir ermitteo y: 10 n	l nal bloc	ks for wir i for conne ft)	es up to	vided IP65 (Remo to 2,5 es Analog	front) vable scr mm²; bj gue input	ew terminal blocks for wires up		
Fixed : 2,5 mr Maxim Power Digital	m² um p supp input	r termir ermitteo y: 10 n	l hal bloc d length n (32.8 n (32.8	ks for wir i for conne ft)	es up to	vided IP65 (Removito 2,5 es Analog Digita From	front) vable scr mm ² ; by gue input l outputs 0 to 55 °	ew terminal blocks for wires up y request :s: 10 m (32.8 ft)		
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Fixed :: 2,5 mr Maxim Power Digital Operat Storag Operat	m ² um p suppl input ting te re ten ting h	ermittee y: 10 n s: 10 n emperatu umperatu	l nal bloc d length n (32.8 n (32.8 ture	ks for wir for conne ft) ft)	es up to	vided IP65 (Remo to 2,5 es Analog Digita From to 50 From Relatin 10 to	front) wable scr mm ² ; by gue inputs l outputs 0 to 55 ° °C (from -25 to 70 ve humi	ew terminal blocks for wires up y request (s: 10 m (32.8 ft) (c) (from 32 to 131 °F); from 0 (32 a 122 °F) in EV3 N3		
Fixed :: 2,5 mr Maxim Power Digital Operat Storag Operat	m ² suppl input ting te le ten ting h	ermittee y: 10 n s: 10 n emperatu umperatu	l nal bloc d length n (32.8 n (32.8 ture	ks for wir i for conne ft)	es up to	vided IP65 (Remo to 2,5 es Analog Digita From to 50 From Relation	front) wable scr mm ² ; by gue inputs l outputs 0 to 55 ° °C (from -25 to 70 ve humi	ew terminal blocks for wires up y request (s: 10 m (32.8 ft) (10 m (32.8 ft)) (2 (from 32 to 131 °F); from 0 (32 a 122 °F) in EV3 N3 (2 °C (from -13 to 158 °F)		
Fixed : 2,5 mr Maxim Power Digital Operat Storag Operat	m ² um p suppl input ting te ting te ting h ting h ting h	ermittee y: 10 m s: 10 m emperatur umidity	l nal bloc d length n (32.8 n (32.8 ture	ks for wir for conne ft) ft) rol device	es up to	vided IP65 (Removito 2,5 es Analog Digita From to 50 From Relativ 10 to 2	front) wable scr mm ² ; by gue inputs l outputs 0 to 55 ° °C (from -25 to 70 ve humi	ew terminal blocks for wires up y request (s: 10 m (32.8 ft)) (c (from 32 to 131 °F); from 0 32 a 122 °F) in EV3 N3 0 °C (from -13 to 158 °F) dity without condensate from REACH (EC) Regulation		
Fixed : 2,5 mr Maxim Power Digital Operat Storag Operat Pollutic Confor	m ² um p suppl input ting te le ten ting h on sta mity 2011/	ermittee y: 10 n s: 10 n emperatu umidity atus of t	l nal bloc d length n (32.8 n (32.8 ture	ks for wir for conne ft) ft) rol device	es up to	vided IP65 (Remo to 2,5 es Analog Digita From to 50 From Relati 10 to 2	front) wable scr mm ² ; by gue inputs l outputs 0 to 55 ° °C (from -25 to 70 ve humi	ew terminal blocks for wires up y request (s: 10 m (32.8 ft) (10 m (32.8 ft)) (2 (from 32 to 131 °F); from 0 (32 a 122 °F) in EV3 N3 (2 (from -13 to 158 °F) (3) °C (from -13 to 158 °F) (3) Without condensate from REACH (EC) Regulation 1907/2006		
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Fixed 2,5 mr Maxim Power Digital Operat Storag Operat Pollutic Confor RoHS 2 EMC 20 Power 230 V/ 12-24	m ² suppl input input input input input e ten e ten mity 2011/ 2011/ 0014/3 suppl AC (+ VAC/	v termir ermitted y: 10 n s: 10 n emperatu umidity attus of t 65/CE 30/UE y 10% -1 DC (+1	I hal bloc d length h (32.8 h (32.8 ture re the cont 5%), 50 0% -15	ks for win for conne ft) ft) rol device WEEI	es up to ection cabl E 2012/19 E 2012/19	vided IP65 (IP65 (IP65 (IP65 (IP65 (IP66 (IP6	front) vable scr mm ² ; b gue input l outputs 0 to 55 ° °C (from -25 to 70 ve humi 90% 014/35/	ew terminal blocks for wires up y request (s: 10 m (32.8 ft) (10 m (32.8 ft)) (2 (from 32 to 131 °F); from 0 (32 a 122 °F) in EV3 N3 (2 (from -13 to 158 °F) (3) °C (from -13 to 158 °F) (3) Without condensate from REACH (EC) Regulation 1907/2006		
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Fixed 15 mm Maxim Power Digital Operat Storag Operat Pollutic Confor RoHS 2 EMC 21 Power 230 V/4 SELV c Earthin Rated	m ² um p suppi input inpu	r termin ermitted y: 10 n mperatur mperatur midity vitus of t 65/CE 00/UE y 100% -1 100% -1 00% -100% -1 00% -100% -100% -100% -100% -100% -100% -100% -100% -100% -100% -100% -100% -100% -100% -1000	1 nal bloc d length (32.8 ture re 5%), 5((32.8 ture ture 5%), 5((32.8 ture ture ture ture ture ture ture ture	ks for wir for conne ft) ft) mol device WEEI 0/60 Hz (± %), 50/60 ontrol dev	es up to ection cabl E 2012/19 	vided IP65 (IP65 (IP65 (Construction) ess Analoto Digita From to 50 From Relativ 10 to 2, 5 From Relativ 10 to 2, 5 From Relativ LVD 2 LVD 2 LVD 2 LVD 2 None 4 KV	front) vable scr mm ² ; by <u>que input</u> loutputs 0 to 55 ° °C (from -25 to 70 //e humi- 90% 014/35// A insulate x. 4 VA/	ew terminal blocks for wires up y request s: 10 m (32.8 ft) : 10 m (32.8 ft) 'C (from 32 to 131 °F); from 0 32 a 122 °F) in EV3 N3 0 °C (from -13 to 158 °F) dity without condensate from REACH (EC) Regulation 1907/2006 JE ed in EV3 N7 2W in EV3 N3, provided by a		
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Fixed 12,5 mr Maxim Power Digital Operat Storag Operat Storag Operat Pollutic Confor RoHS 2 EMC 22 Power 230 V/ 12-24 SELV c Earthir Rated Over-v Softwa Softwa PTC pr NTC pr	m ² um p suppi input input ing th e ten ing h pon sta mity 2011/ 0014/3 suppi AC (+ VAC/ class : ing nu voltag um put inpu	terminities ermittes y: 10 n ermittes is:	I al bloc d length n (32.8 n (32.8 re re 5%), 5(0% -15 s 5%), 5(0% -15 s s s stand v ory structui insor typ assurem(ks for win for conne ft) rol device WEEI 2/60 Hz (± %), 50/60 ontrol dev oltage re e ent field e ent field	es up to action cabl E 2012/19 E 2012/19 C 3 HZ), ma b HZ (±3 h ice	vided IP65 (IP65 (IP65 (IP65 (IP65 (IP65 (IP66 (IP6	front) vable scr mm ² ; b gue input l outputs 0 to 55 ° °C (from -25 to 7C ve humi 90% 014/35/(1 4 insulate x. 4 VA/ in EV3 PTC or N rry probe 1-121 (9 -50 to 15 : (1 °F) -40 to 10 : (1 °F)	ew terminal blocks for wires up y request (s: 10 m (32.8 ft) (10 m (32.8 ft)) (10 m (32.8 ft)) (11 m (32.8 ft)) (12 m (32.8 ft)) (13 m (32.8 ft)) (14 m (32.8 ft)) (15 m (40 m (32.8 ft))) (15 m (40 m		
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N.B. The device must be disposed of according to local regulations governing the collection of electrical and electronic waste.

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