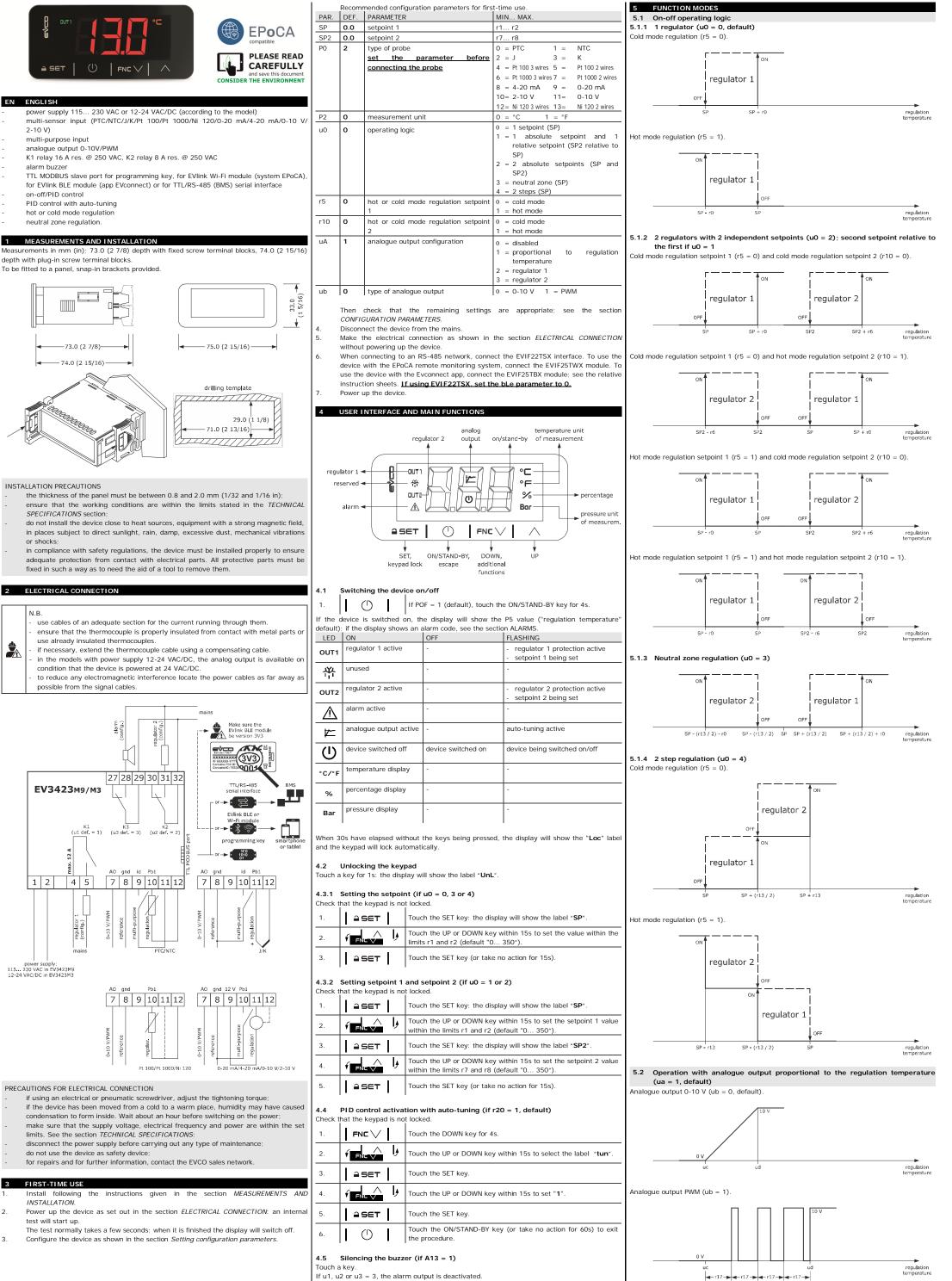
EV3423M Multi-sensor

2-10 V)



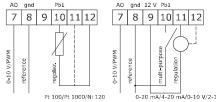
Universal controllers with two regulation outputs for industrial applications





115... 230 VAC in EV3423M9 12-24 VAC/DC in EV3423M3

N.B



PRECAUTIONS FOR ELECTRICAL CONNECTION

- condensation to form inside. Wait about an hour before switching on the power
- limits. See the section TECHNICAL SPECIFICATIONS;
- disconnect the power supply before carrying out any type of maintenance
- do not use the device as safety device;

FIRST-TIME USE

- Install following INSTALLATION.
- test will start up

The test normally takes a few seconds; when it is finished the display will switch off.

Configure the device as shown in the section Setting configuration parameters

4.3.2 Setting setpoint 1 and setpoint 2 (if u0 = 1 or 2) Check that the keypad is not locked.					
1.	a set	Touch the SET key: the display will show the label "SP".			
2.	FNL V	Touch the UP or DOWN key within 15s to set the setpoint 1 va within the limits r1 and r2 (default "0 350").			
3. aset		Touch the SET key: the display will show the label "SP2".			
4.		Touch the UP or DOWN key within 15s to set the setpoint 2 va within the limits r7 and r8 (default "0 350").			
5.	≙ SET	Touch the SET key (or take no action for 15s).			

. 1 heck t	Displa that the		l is no	t locked.		
Ι.	FN	c∨		Touch the DOWN key for 4s.		
2.			و	Touch the UP or DOWN key within 15s to select a label.		
	LAB. DESCRIPTIO					
				he value delivered by the analogue output		
3.		SET		Touch the SET key.		
1.	√ FN		وا	Touch the UP or DOWN key to set the value (to select uM).		
5.		SET		Touch the SET key.		
5.		(1)	I	Touch the ON/STAND-BY key (or take no action for 60s) to e		
	11	\bigcirc	I	the procedure.		
. 2 heck 1				nber of start-ups of the relays t locked.		
Ι.	FN	c∨		Touch the DOWN key for 4s.		
2.	√ EN		وا	Touch the UP or DOWN key within 15s to select a label.		
	LAB.	DESC				
	nS1 nS2	<u> </u>		ne number of start-ups of the K1 relay in thousands ne number of start-ups of the K2 relay in thousands		
	nS3		y of th	ne number of start-ups of the K23 relay in thousands		
3.		SET	<u> </u>	Touch the SET key.		
1.		\bigcirc		Touch the ON/STAND-BY key (or take no action for 60s) to e the procedure.		
.3				nperature detected by the regulation probe		
heck † I.		keypad	is no	t locked. Touch the DOWN key for 4s.		
		<u> </u>	<u>।</u> ≱			
2.	LAB.			Touch the UP or DOWN key within 15s to select a label.		
	Pb1			emperature		
8.	1 29	SET		Touch the SET key.		
ŀ.		\bigcirc		Touch the ON/STAND-BY key (or take no action for 60s) to e the procedure.		
Ö _o	N.B. Chang	jing par	amet	ion parameters er P2 from °C to °F (and vice versa) causes the value of t unit of measurement is °C or °F to be changed automatically.		
Ι.	N.B. Chang param	g config	amet	er P2 from °C to °F (and vice versa) causes the value of t unit of measurement is °C or °F to be changed automatically. Touch the SET key for 4s: the display will show the label " PA ".		
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Ö _o	N.B. Chang param	g config ging par neters w SET SET	ameti hose	er P2 from °C to °F (and vice versa) causes the value of trunit of measurement is °C or °F to be changed automatically. Touch the SET key for 4s: the display will show the label * PA *. Touch the SET key. Touch the UP or DOWN key within 15s to set the PAS va (default "- 19 ").		
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Image: state in the s		7	P3	0.0	minimum transducer calibration value	-199 999 points	N. 62
No. No. <td></td> <td>8</td> <td>P4</td> <td>100</td> <td></td> <td>-199 999 points</td> <td>63</td>		8	P4	100		-199 999 points	63
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Image: standard		12	u1	1	K1 output configuration		9 ALAF
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1 - In- encryptions							<u> </u>
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Image: Second		24	10	2.0	setpoint 2 unerentiar	if u0 = 3, hot mode	Digital inpu
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Image: Second control						setpoint 2 + r12	EMC 2014/3 Power supp
						if u0 = 4, two steps	115 230
35 r17 180 FD regulator cycle time on PWM 1 999 s Over-will software s 36 r18 0 PD regulator minimum time of 0 240 s Analogue i 37 r19 0 PD regulator minimum time of 0 240 s Analogue i 38 r20 1 enable PD control with auto 0 = no 1 eyes with analogue output 39 r20 1 enable PD control with auto 0 = no 1 eyes with analogue i 38 r20 0 minimum time of 0 240 min Nox PTC probe 40 C1 0 minimum time of and delay from 0 240 min Nox P1 100 and 41 C2 0 minimum time of and delay from 0 240 min Ducless Couples 42 C3 0 minimum time of and delay from 0 240 min Ducless Couples <							Earthing me
Image: Construct of the second seco							Rated impu
Image: Second		35	r17		<u> </u>	1 999 s	Software cl
$ \begin{array}{ c $		36	r18	0	*	0 240 s	Analogue in
38 r20 1 enable PD control with auto- luming 0 n 1 = yes 30 r21 240 auto-tuning maximum duration 2 240 min MINMAX. 40 C1 0 minimum time between two 0 240 min MINMAX. 41 C2 0 minimum time off and delay from power-on of regulator 1 0 240 min MI 120 point 42 C3 0 minimum time off and delay from power-ons of regulator 2 0 240 min MI 120 point 43 C4 O regulator 1 0 240 min Direcupitor 44 C5 0 minimum time off and delay from power-on of regulator 2 0 240 min Direcupitor 45 C6 0 minimum time off and delay from power-on of regulator 2 0 240 min Direcupitor 46 C7 0 minimum time on regulator 2 0 240 min Direcupitor 47 C68 0 temperature 1 alarm threshold -199 999 "C/F MiN. 48 A1 0.0 temperature 2 alarm threshold -		37	r19	0	*	0 240 s	
39 F21 240 auto-tuning maximum duration 2240 min MIN MAX. 40 C1 0 minimum time between two 0240 min P1 100 and 41 C2 0 minimum time off and delay from 0240 min P1 100 and 42 C3 0 minimum time off and delay from 0240 min P1 100 and 43 C4 0 regulator 1 activity during 0 = off 1 = on 44 C5 0 minimum time or regulator 1 0240 min D2240 s J ther 45 C6 0 minimum time or regulator 2 0240 s D2240 s D1 D1 46 C7 0 regulator 2 activity during 0 = off 1 = on D1		38	r20	1	enable PID control with auto-	0 = no 1 = yes	PTC probes
N PAR. DEF. REGULATOR RROTECTION MINMAX. 40 C1 0 minimum time between two 0 240 min 1000 prob 41 C2 0 minimum time of fand delay from 0 240 min 1000 prob 42 C3 0 minimum time on regulator 1 0 240 min 0 240 min 43 C4 0 regulation probe alarm 0 240 min 0.0. 200 min 44 C5 0 minimum time of rad delay from 0 240 min 0.0. 200 min 44 C5 0 minimum time of regulator 2 0 240 min 0.0. 200 min 45 C6 0 minimum time of regulator 2 0 240 min 0.0. 200 min 46 C7 0 minimum time of regulator 2 0 240 min 0.0. 200 min 47 C8 0 regulation probe alarm MINMAX. MINMAX. 48 A1 0.0 temperature 1 alarm type 0 - disabled 1 1.0. 200 min 51		39	r21	240		2 240 min	NTC probes
1 C2 0 minimum time off and delay from 0 240 min 41 C2 0 minimum time off and delay from 0 240 min 42 C3 0 minimum time on regulator 1 0 240 min 43 C4 0 regulator 1 0 240 min 44 C5 0 minimum time off and delay from 0 240 min 0.00 prob 44 C5 0 minimum time off and delay from 0 240 min 0.00 prob 45 C6 0 minimum time off and delay from 0 240 min 0.00 prob 46 C7 0 minimum time off and delay from 0 240 min 0.00 prob 46 C7 0 minimum time off and delay from 0 240 min 0.00 mob 46 A7 C8 0 regulator 2 0 240 min 0.00 mob 47 C8 A1 0.0 temperature 1 alarm thy mot 0 240 min 0.00 mob 50 A3 0 temperature 1 alarm thy mob					·		Pt 100 and
Image: space of the second of the s					power-ons of regulator 1		1000 probes
43 C4 0 regulator 1 activity during 0 off 1 on 44 C5 0 minimum time between two 0 240 min ouples K therm 45 C6 0 minimum time off and delay from 0 240 min ouples Couples 46 C7 0 minimum time off and delay from 0 240 s ouples ouples 46 C7 0 minimum time on regulator 2 0 240 s ouples ouples 46 C7 0 minimum time off and delay from 0 240 s ouples ouples ouples 47 C8 0 regulaton probe alarm MINMAX. Analogue 4 analogue 4 48 A1 0.0 temperature 1 alarm threshold 199999*C/rF Ouples Signal 50 A3 0 temperature 2 alarm threshold 199199*C/rF Ouples Noupper and the absolute maximum a solute maximum a solute maximum a solute maximum a stolute maximum a stolute maximum a stolute maximum bigHal out Yee lar Yee lar		41	C2	0		0 240 min	
Image: set of the set of							
45 C6 0 minimum time of and delay from 0 240 min 0 240 min 46 C7 0 minimum time on regulator 2 0 240 s 0 46 C7 0 minimum time on regulator 2 0 240 s 0 47 C8 0 regulator probe alarm 0 = off 1 = on 1 A8 A1 0.0 temperature 1 alarm threshold -199 999 °C/*F 49 A2 0 temperature 1 alarm threshold -199 999 °C/*F 0 49 A2 0 temperature 2 alarm threshold -199 999 °C/*F 0 50 A3 0 temperature 2 alarm threshold -199 199 °C/*F 0 51 A4 0.0 temperature 2 alarm threshold -199 199 °C/*F 0 52 A5 0 temperature 2 alarm threshold -199 199 °C/*F 0 52 A5 0 temperature 2 alarm threshold -199 199 °C/*F 0 53 A6 0 temperature 2 alarm delay 0 999 min 0 Additional alarm signal delay 0 999 min </td <td></td> <td></td> <td></td> <td>-</td> <td>regulation probe alarm</td> <td></td> <td>K therm</td>				-	regulation probe alarm		K therm
46 C7 0 minimum time on regulator 2 0 240 s 47 C8 0 regulator 2 0 240 s 0 1 47 C8 0 regulator 2 0 240 s 0 1 47 C8 0 regulator 2 0 240 s 0 1 47 C8 0 regulator 2 0 240 s 0 1 9 A2 0 temperature 1 alarm type 0 off 1 = on 2 48 A1 0.0 temperature 1 alarm type 0 = disabled 1 = absolute maximum 3 minimum relative to SP 4 43 A2 0 temperature 2 alarm type 0 = disabled 1 + absolute maximum 3 Signal Xiz relay 50 A3 0 temperature 2 alarm type 0 = disabled 1 + absolute maximum 3 Type 1 or Additional alarm signal delay 0 999 min Additional alarm signal delay 0 999 min Additional alarm signal delay 0 999 min Additional alarm signal delay				-	power-ons of regulator 2		0-20 mA, 4
46 C7 0 minimum time on regulator 2 0 240 s 47 C8 0 regulator 2 activity during 0 = off 1 = on N PAR. DEF. ALARMS MIN MAX. Analogue 0 48 A1 0.0 temperature 1 alarm threshold -199 999 "C/"F 0 = disabled 49 A2 0 temperature 1 alarm threshold -199 199 "C/"F Signal 50 A3 0 temperature 2 alarm threshold -199 199 "C/"F K1 relay 51 A4 0.0 temperature 2 alarm threshold -199 199 "C/"F Type 1 or 52 A5 0 temperature 2 alarm threshold -199 199 "C/"F Type 1 or 52 A5 0 temperature 2 alarm threshold -0.0 -99 min 2 absolute maximum 2 absolute maximum -4 Additional alarm signal delay 54 A7 0 temperature 2 alarm delay 0 999 min -99 min 55 A8 0 alarm output logic 0 = no 1 = yes 55 <		45	C6	0		0 240 min	transducers Digital input
N PAR. DEF. ALARMS MIN MAX. 48 A1 0.0 temperature 1 alarm threshold -199 999 *C/*F 49 A2 0 temperature 1 alarm threshold 0 = disabled 1 absolute maximum 2 absolute maximum 2 absolute maximum 2 absolute maximum 2 absolute maximum 2 absolute maximum 2 absolute maximum 2 absolute maximum 8 X 50 A3 0 temperature 2 alarm threshold -199 199 *C/*F Tiglat out 51 A4 0.0 temperature 2 alarm threshold -199 199 *C/*F Tiglat out 52 A5 0 temperature 2 alarm type 0 = dissolute maximum 3 52 A5 0 temperature 2 alarm type 0 999 min -13 -14 -10 53 A6 0 temperature 3 alarm delay after 0 999 min -19 -19 -19 -10 54 A7 0 temperature alarm signal delay after 0 999 min -19 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Dry contact</td>							Dry contact
48 A1 0.0 temperature 1 alarm threshold -199 999 °C/°F 49 A2 0 temperature 1 alarm type 0 = disabled 1 = absolute minimum 2 absolute maximum 3 = minimum relative to SP 50 A3 0 temperature 2 alarm threshold -199 199 °C/°F V Digital out 51 A4 0.0 temperature 2 alarm threshold -199 199 °C/°F X Type 1 or 52 A5 0 temperature 2 alarm type 0 = disabled 1 = absolute minimum 2 absolute maximum 3 = minimum relative to SP2 4 = maximum relative to SP2 53 A6 0 temperature 2 alarm type 0 = disabled 1 additional 54 A7 0 temperature 3 alarm delay after 0 999 min O 999 min O 999 min 56 A9 0 alarm output logic 0 = not tharm active 1 with alarm active 57 A11 2.0 temperature alarm switch off 1 99 °C/°F This docum <td>. </td> <td></td> <td></td> <td></td> <td>regulation probe alarm</td> <td></td> <td></td>	.				regulation probe alarm		
1 = absolute minimum 2 = absolute minimum 3 minimum relative to SP 50 A3 0 50 A3 0 51 A4 0.0 52 A5 0 52 A5 0 temperature 2 alarm threshold -199 "C/"F 52 A5 0 temperature 2 alarm type 0 = disabled 1 = absolute minimum 2 = absolute minimum 3 = minimum relative to SP2 4 = maximum relative to SP2 53 A6 0 temperature 2 alarm delay 0 999 min 56 A9 0 alarm output logic 0 = with alarm not active 57 A11 2.0 temperature alarm switch off 58 A13 1 enable alarm buzz							Analogue o
2 = absolute maximum 3 = minimum relative to SP 4 = maximum relative to SP 50 A3 0 temperature 1 alarm delay 0 999 min 51 A4 0.0 temperature 2 alarm threshold -199 199 °C/°F 52 A5 0 temperature 2 alarm threshold -199 199 °C/°F 52 A5 0 temperature 2 alarm threshold -199 199 °C/°F 53 A6 0 temperature 2 alarm delay 0 999 min 2 = absolute maximum 3 = minimum relative to SP2 53 A6 0 temperature 2 alarm delay 0 999 min 54 A7 0 temperature alarm delay after modifying setpoint and power-on 999 min 56 A9 0 alarm output logic 0 = with alarm not active 57 A11 2.0 temperature alarm switch off 1 99 °C/°F 58 A13 1 enable alarm buzzer 0 = no 1 = yes N PAR. DEF. DIGITAL INPUTS MIN MAX. 1		49	A2	0	temperature 1 alarm type		Signal
1 4 = maximum relative to SP 50 A3 0 temperature 1 alarm delay 0 999 min 51 A4 0.0 temperature 2 alarm threshold -199 199 °C/°F 52 A5 0 temperature 2 alarm type 0 = disabled 52 A5 0 temperature 2 alarm type 0 = disabled 53 A6 0 temperature 2 alarm delay 0 999 min Additional actions 54 A7 0 temperature alarm delay after modifying setpoint and power-on 0 999 min Ommunic 54 A7 0 temperature alarm signal delay after silencing if the condition persists 0 999 min Ommunic 56 A9 0 alarm output logic 0 = with alarm active 57 A11 2.0 temperature alarm switch off 1 99 °C/°F 57 A11 2.0 temperature alarm buzzer 0 = no 1 yes N PAR. DEF. DIGITAL INPUTS MIN MAX. 1 alarm iA2 = alarm iA1 + regulator 1 off This documi protected by ful or partia						2 = absolute maximum	0-10 V
51 A4 0.0 temperature 2 alarm threshold -199 199 °C/°F K3 relay 52 A5 0 temperature 2 alarm type 0 = disabled 1 52 A5 0 temperature 2 alarm type 0 = disabled Type 1 or 52 A5 0 temperature 2 alarm type 0 = disabled 1 52 A6 0 temperature 2 alarm delay 0 999 min Additional 53 A6 0 temperature alarm delay after modifying setpoint and power-on 0 999 min Communic 54 A7 0 temperature alarm signal delay off. 0 999 min Communic 55 A8 0 additional alarm signal delay off. 0 999 min Communic 56 A9 0 alarm output logic 0 = with alarm not active 1 58 A13 1 enable alarm buzzer 0 = no 1 yes N PAR DEF. DIGITAL INPUTS MIN MAX. 1 alarm iA + regulator 1 off + regulator 2 off 4 alarm iA2 + regulator 2 off 6 m			4.5		tomporature 1 - 1 - 1 - 1	4 = maximum relative to SP	K1 relay
52 A5 0 temperature 2 alarm type 0 = disabled 1 = absolute maximum 2 absolute maximum 2 absolute maximum 2 absolute maximum 3 = minimum relative to SP2 4 = maximum relative to SP2 Affer Affer D temperature 2 alarm delay 0 999 min Affer Affer D temperature alarm delay after 0 999 min Affer Communic 55 A8 O additional alarm signal delay 0 999 min O affer Communic 56 A9 O alarm output logic 0 = with alarm not active 1 with alarm not active 57 A11 2.0 temperature alarm switch off 1 99 °C/°F The output function 0 = disabled 1 The output function 58 A13 1 enable alarm buzzer 0 = no 1 yes Mit 59 I5 0 multi-purpose input function 0 = diarm iA 2 alarm iA 2 alarm iA 2 alarm iA 4 alarm iA <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
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53 A6 0 temperature 2 alarm delay 0 999 min Alarm buz 54 A7 0 temperature alarm delay after modifying setpoint and power-on 0 999 min Communic 55 A8 0 additional alarm signal delay after silencing if the condition persists 0 999 min Communic 56 A9 0 alarm output logic 0 = with alarm active 1 = with alarm not active 1 = with alarm not active 57 A11 2.0 temperature alarm switch off differential 0 999 cl/°F Image: set the set t						2 = absolute maximum	actions
54 A7 0 temperature alarm delay after modifying setpoint and power-on modif setpoi		_				4 = maximum relative to SP2	Displays Alarm buzz
55 A8 0 additional alarm signal delay after silencing if the condition persists 0 999 min 56 A9 0 alarm output logic 0 = with alarm active 1 = with alarm not active 57 A11 2.0 temperature alarm switch off 1 99 °C/°F 1 = yets 58 A13 1 enable alarm buzzer 0 = no 1 = yets 58 A13 1 enable alarm buzzer 0 = no 1 = yets 59 i5 0 multi-purpose input function 0 = disabled 1 = alarm iA 59 i5 0 multi-purpose input function 0 = disabled 1 = alarm iA + regulator 1 off + regulator 2 off This docume device. 60 i6 0 multi-purpose input activation 0 = with contact closed 1 = with contact closed 1 = with contact closed							Communica
after silencing if the condition persists 56 A9 0 alarm output logic 0 = with alarm active 1 = with alarm not active differential 57 A11 2.0 temperature alarm switch off 199 °C/°F 58 A13 1 enable alarm buzzer 0 = no 1 = yes N PAR. DEF. DIGITAL INPUTS MIN MAX. Image: Comparison of the regulator 1 off + regulator 1 off + regulator 2 off 3 = alarm iA1 + regulator 1 off + regulator 2 off 5 = switches device on/off 6 = modifies setpoint 1 and setpoint 2 This docume device. 60 i6 0 multi-purpose input activation 0 = with contact closed 1 =		55	AR	0	modifying setpoint and power-on	0 999 min	
56 A9 0 alarm output logic 0 = with alarm active 57 A11 2.0 temperature alarm switch off 1 99 °C/°F 58 A13 1 enable alarm buzzer 0 = no 1 = yes N PAR. DEF. DIGITAL INPUTS MIN MAX. 59 i5 0 multi-purpose input function 0 = disabled 2 alarm iA + regulator 2 off 1 This docume device. 60 i6 0 multi-purpose input activation 0 = with contact closed 1 60 i6 0 multi-purpose input activation 0 = with contact closed 1					after silencing if the condition		
57 A11 2.0 temperature alarm switch off 1 99 °C/°F 58 A13 1 enable alarm buzzer 0 = no 1 = yes N. PAR. DEF. DIGITAL INPUTS MIN MAX. 59 i5 0 multi-purpose input function 0 = disabled 1 = alarm iA 2 alarm iA + regulator 2 off 3 = alarm iA1 + regulator 1 off + regulator 2 off This docume protected by full or partia 60 i6 0 multi-purpose input activation 0 = with contact closed 1 = with contact closed		56	A9	0			
Image: state of the state		57	A11	2.0	temperature alarm switch off		
N. PAR. DEF. DIGITAL INPUTS MIN MAX. 59 i5 0 multi-purpose input function 0 = disabled 1 = alarm iA 2 = alarm iA + regulator 1 off + regulator 2 off 3 = alarm iA1 + regulator 1 off This docume protected by full or particle. 4 = alarm iA2 + regulator 2 off 5 = switches device on/off 6 = modifies setpoint 1 and setpoint 2 EVCO accep 60 i6 0 multi-purpose input activation 0 = with contact closed 1 = with contact closed					differential		
0.7 15 0 Induit-purpose input function 0 = alarm iA 1 = alarm iA 1 = alarm iA 2 = alarm iA + regulator 1 off This docume protected by full or partia 3 = alarm iA2 + regulator 2 off 3 = alarm iA2 + regulator 2 off This docume protected by full or partia 4 = alarm iA2 + regulator 2 off off EVCO acception EVCO acception 60 i6 0 multi-purpose input activation 0 = with contact closed 1 = with contact closed 1 = with contact closed 1 = with contact closed							N.B
 alarm iA + regulator 1 off + regulator 2 off alarm iA1 + regulator 2 off alarm iA2 + regulator 2 off alarm iA2 + regulator 2 alarm iA2 + regulator 2		59	i5	0	multi-purpose input function		The of e
3 = alarm iA1 + regulator 1 off protected by full or partia 4 = alarm iA2 + regulator 2 off off 5 = switches device on/off evice. 60 i6 0 60 i6 0 multi-purpose input activation 0 = with contact closed 1 = with contact open						2 = alarm iA + regulator 1	
 4 = alarm iA2 + regulator 2 off 5 = switches device on/off 60 i6 0 multi-purpose input activation 0 = with contact closed 1 = with contact closed 1 = with contact closed 1 = with contact closed 						3 = alarm iA1 + regulator 1	protected by
5 = switches device on/off EVCO accept 6 i6 0 multi-purpose input activation 0 = with contact closed 1 = with contact closed 1 = with contact closed	¢,					4 = alarm iA2 + regulator 2	full or partial The customer
60 i6 0 multi-purpose input activation 0 = with contact closed 1 = with contact open						5 = switches device on/off	EVCO accepts
60 i6 0 multi-purpose input activation 0 = with contact closed 1 = with contact open						-	changes, at a
		60	i6	0	multi-purpose input activation		
		61	i7	0	multi-purpose input alarm delay		

	Ν.	PAR.	DEF.	SECURIT	Y	MIN MAX.			
~	62	POF	1		enable ON/STAND-BY			0 = no 1 = yes	
${\bf igstyle}$	63	PAS	-19	password			-99 999		
*	64	PA1	426					-99 999	
	65	PA2	824		password			-99 999	
	Ν.	PAR.	DEF.		DATA-LOG			MIN MAX.	
log	66	bLE	1		Bluetooth			0 = no 1 = yes	
	67	rE0	15	datalogger samplir		ng inter	val	0 240 min	
	N.	PAR.	DEF.	MODBUS				MIN MAX.	
	68 LA 247 MODBUS address					1 247			
	69	Lb	3	MODBUS	baud rate	е	l	0 = 2,400 baud	
IU	ld				l	1 = 4,800 baud 2 = 9,600 baud			
							l	3 = 19,200 baud	
								even	
			I				I		
9	ALAR	MS							
COD.	DES	CRIPTI	ON		RESET	TO CORRECT			
Pr1			probe ala	arm	automat				
						- check probe integrity			
						- check electrical connection			
AL1	tem	peratur	e 1 aları	n	automat	tic check A1, A2 and A3			
AL2	tem	peratur	e 2 aları	n	automat	tic	check A	4, A5 and A6	
iA	mult	i-purpo	se input	t alarm	automat	tic	check i5	5 and i6	
iA1	regu	lator 1	protecti	on alarm	automat	tic	check i5	5 and i6	
iA2	regu	lator 2	protecti	on alarm	automat	tic	check i5	5 and i6	
tu0	auto	-tuning	alarm f	ailed	manual		touch a	key	
tu1	auto	-tuning	timeou	t alarm	manual		- touch	n a key	
							- check	< r21	
_								<u></u>	
10	TECH	INI CAL	SPECI	FICATIO	NS				
D		le e				l e			
			trol devi				on contro		
		1 of the	control	device				nic device	
Contai		beat	ad fi	polet-			self-extir	nguishing	
-	-		na fire re	esistance		D.			
Measu				15/1/	1 5 /1 /	75.0	22.0	74.0 mm (0.45/4/	
				15/16 x				74.0 mm (2 15/16 x 1 5/16 x	
	· ·			erminal bl				h plug-in screw terminal blocks	
wount	ing m	emoas	ior the c	control dev	vice	To be fitted to a panel, snap-in brackets provided			
Degree	e of	nrote	ction r	provided	by the	·			
coveri		prote	ction p	or or laca	by the		nont)		
		method	ł						
Fixed	screv	/ termi	inal blo	cks Plug-	in screw	termina	l blocks	Pico-Blade connector	
		to 2.5			vires up t				
				reque	est)				
Maxim	num pe	ermitte	d length	for conne	ction cabl	les			
			n (32.8				gue input	s: 10 m (32.8 ft)	
Digital	l input	s: 10 n	n (32.8 i	ft)		Analog	jue outpu	its 0-10 V: 10 m (32.8 ft)	
PWM a	analog	ue outp	outs: 1 r	m (3.28 ft))	Digital outputs: 10 m (32.8 ft).			
Operat	ting te	empera	ture			From -	25 to 55	°C (from 23 to 131 °F)	
Storag	Storage temperature					From -	25 to 70	°C (from -13 to 158 °F)	
Operat	ting h	umidity	,					ity without condensate from 10	
						to 90%	6		
-			the cont	rol device		2.			
Compl									
RoHS :	2011/	65/EC		WEE	E 2012/19	9/EU REACH (EC) Regulation 1907/2006			
								1	
EMC 2						LVD 20	014/35/E	U	
Power									
-								in EV3 M9	
						Iz), max None	5 VA/3	W in EV3 M3.	
				ontrol dev	ice				
			stand v	bitage		2.5 KV in EV3 M9; 330 V in EV3 M3 II in EV3 M9; I in EV3 M3			
		Over-voltage category							
Dottwa	Software class and structure					II in E			
	Analogue inputs					II in E A.	V3 M9;	I in EV3 M3	
	gue in	iss and		e		II in E A. 1 for	V3 M9; PTC, NTC	I in EV3 M3 C, Pt 100, Pt 1000 or Ni 120	
	gue in	iss and		e		II in E A. 1 for probes	V3 M9; PTC, NTC s, J or K	I in EV3 M3 C, Pt 100, Pt 1000 or Ni 120 thermocouples, 0-20 mA, 4-20	
	gue in	iss and		re		II in E A. 1 for probes	V3 M9; PTC, NTC s, J or K -10 V or	I in EV3 M3 C, Pt 100, Pt 1000 or Ni 120 thermocouples, 0-20 mA, 4-20	
Analog		puts	structur			II in E A. 1 for probes mA, 0 probe)	V3 M9; PTC, NTC s, J or K -10 V or	I in EV3 M3 C, Pt 100, Pt 1000 or Ni 120 thermocouples, 0-20 mA, 4-20 2-10 V transducers (regulation	
		nss and puts		ent field:		II in E A. 1 for probes mA, 0 probe) from -	V3 M9; PTC, NTC s, J or K -10 V or	I in EV3 M3 C, Pt 100, Pt 1000 or Ni 120 thermocouples, 0-20 mA, 4-20	
Analog PTC pr	robes	nss and puts Mea Res	structur	ent field:		II in E A. 1 for probes mA, 0 probe) from - 0.1 °C	V3 M9; PTC, NTC s, J or K -10 V or 50 to 150 (1 °F).	I in EV3 M3 C, Pt 100, Pt 1000 or Ni 120 thermocouples, 0-20 mA, 4-20 2-10 V transducers (regulation	
Analog	robes	Mea	structur asureme	ent field: ent field:		II in E A. 1 for probes mA, 0 probe) from - 0.1 °C from -	V3 M9; PTC, NTC s, J or K -10 V or 50 to 150 (1 °F).	I in EV3 M3 C, Pt 100, Pt 1000 or Ni 120 thermocouples, 0-20 mA, 4-20 2-10 V transducers (regulation 0 °C (from -58 to 302 °F)	
Analog PTC pr	robes	ISS and puts Mea Res Res	asureme solution: asureme solution:	ent field: ent field:		II in E A. 1 for probes mA, 0 probe) from - 0.1 °C from - 0.1 °C	V3 M9; PTC, NTC 5, J or K -10 V or 50 to 150 (1 °F). 40 to 110 (1 °F).	I in EV3 M3 C, Pt 100, Pt 1000 or Ni 120 thermocouples, 0-20 mA, 4-20 2-10 V transducers (regulation 0 °C (from -58 to 302 °F)	
Analog PTC pr NTC pr	robes robes) and	ISS and puts Mea Res Res Pt Mea	asureme solution: asureme solution:	ent field: ent field: ent field:		II in E A. 1 for probes mA, 0 probe) from - 0.1 °C from - 0.1 °C from -	V3 M9; PTC, NTC 5, J or K -10 V or 50 to 150 (1 °F). 40 to 110 (1 °F).	I in EV3 M3 C, Pt 100, Pt 1000 or Ni 120 thermocouples, 0-20 mA, 4-20 2-10 V transducers (regulation 0 °C (from -58 to 302 °F) 0 °C (from -58 to 230 °F)	
Analog PTC pr NTC pr Pt 100	robes robes) and probes	ISS and puts Mea Res Res Pt Mea Res	asureme solution: asureme solution: asureme	ent field: ent field: ent field:		II in E A. 1 for probes mA, 0 probe) from - 0.1 °C from - 0.1 °C from - 0.1 °C	V3 M9; PTC, NTC s, J or K -10 V or - - 50 to 150 (1 °F). 40 to 110 (1 °F). 100 to 65 (1 °F).	I in EV3 M3 C, Pt 100, Pt 1000 or Ni 120 thermocouples, 0-20 mA, 4-20 2-10 V transducers (regulation 0 °C (from -58 to 302 °F) 0 °C (from -58 to 230 °F)	
Analog PTC pr NTC pr Pt 100 1000 p	robes robes) and probes	Mea Mea Res Mea Res Pt Mea Res S Mea	asureme solution: asureme solution: asureme solution:	ent field: ent field: ent field: ent field:		II in E A. 1 for probes mA, 0 probe) from - 0.1 °C from - 0.1 °C from - 0.1 °C from -	V3 M9; PTC, NTC s, J or K -10 V or - - 50 to 150 (1 °F). 40 to 110 (1 °F). 100 to 65 (1 °F).	I in EV3 M3 C, Pt 100, Pt 1000 or Ni 120 thermocouples, 0-20 mA, 4-20 2-10 V transducers (regulation 0 °C (from -58 to 302 °F) 0 °C (from -58 to 230 °F) 50 °C (from -148 to 999 °F)	
Analog PTC pr NTC pr Pt 100 1000 p Ni 120	robes robes) and probes	Mea Res Pt Mea Res Pt Mea Res Res	asureme solution: asureme solution: asureme solution: asureme	ent field: ent field: ent field: ent field:		II in E A. 1 for probes mA, 0 probe) from - 0.1 °C from - 0.1 °C from - 0.1 °C from - 0.1 °C	V3 M9; PTC, NTG; J or K -10 V or - 50 to 150 (1 °F). 40 to 110 (1 °F). 100 to 65 (1 °F). 80 to 300 (1 °F).	I in EV3 M3 C, Pt 100, Pt 1000 or Ni 120 thermocouples, 0-20 mA, 4-20 2-10 V transducers (regulation 0 °C (from -58 to 302 °F) 0 °C (from -58 to 230 °F) 50 °C (from -148 to 999 °F)	
Analog PTC pr NTC pr Pt 100 1000 p Ni 120	robes robes) and probes probe	Mea Mea Res Pt Mea Res S Mea Res o- Mea	structur asureme solution: asureme solution: asureme solution: asureme solution:	ent field: ent field: ent field: ent field: ent field:		II in E A. 1 for probes mA, 0 probe) from - 0.1 °C from - 0.1 °C from - 0.1 °C from - 0.1 °C	V3 M9; PTC, NTC; J or K -10 V or - 50 to 150 (1 °F). 40 to 110 (1 °F). 100 to 65 (1 °F). 80 to 300 (1 °F). • • • • • • • • • • • • •	I in EV3 M3 C, Pt 100, Pt 1000 or Ni 120 thermocouples, 0-20 mA, 4-20 2-10 V transducers (regulation D °C (from -58 to 302 °F) D °C (from -58 to 230 °F) 50 °C (from -148 to 999 °F) D °C (from -112 to 999 °F)	
Analog PTC pr NTC pr Pt 100 1000 p Ni 120 J t couple	robes robes) and probes probe	Mea Res Res Pt Mea Res Res Res Res Res Res Res Res Res Res	asureme solution: asureme solution: asureme solution: asureme solution: asureme	ent field: ent field: ent field: ent field: ent field:		II in E A. 1 for probes mA, 0 probe) from - 0.1 °C from - 0.1 °C from - 0.1 °C from - 0.1 °C from - 0.1 °C from - 0.1 °C from - 0.1 °C	V3 M9; PTC, NTC s, J or K -10 V or - 50 to 150 (1 °F). 40 to 110 (1 °F). 80 to 300 (1 °F). 0 to 700 ° 1 °F).	I in EV3 M3 C, Pt 100, Pt 1000 or Ni 120 thermocouples, 0-20 mA, 4-20 2-10 V transducers (regulation D °C (from -58 to 302 °F) D °C (from -58 to 230 °F) 50 °C (from -148 to 999 °F) D °C (from -112 to 999 °F)	
Analog PTC pr NTC pr Pt 100 1000 p Ni 120 J t couple	robes robes) and probes probe thermoses	Mea Res Res Res Res Res Res Res Res Res Res	asureme solution: asureme solution: asureme solution: asureme solution: asureme solution:	ent field: ent field: ent field: ent field: ent field: ent field:		II in E A. 1 for probes mA, 0 probe) from - 0.1 °C from - 0.1 °C from - 0.1 °C from - 0.1 °C from - 0.1 °C from - 0.1 °C from - 0.1 °C	V3 M9; PTC, NTC; , J or K -10 V or - 50 to 15C (1 °F). 40 to 11C (1 °F). 100 to 65 (1 °F). 80 to 30C (1 °F). 1 or 700 ° 1 °F). • to 700 °	I in EV3 M3 C, Pt 100, Pt 1000 or Ni 120 thermocouples, 0-20 mA, 4-20 2-10 V transducers (regulation 0 °C (from -58 to 302 °F) 50 °C (from -58 to 230 °F) 50 °C (from -148 to 999 °F) 0 °C (from -112 to 999 °F) C (from 32 to 999 °F)	
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Analog PTC pr NTC pr Pt 100 1000 p Ni 120 J t couple K t couple 0-20 n transd	robes robes) and probes probe thermoses thermoses mA, 4- lucers i input	Mea Mea Res Mea Res Pt Mea Res Do- Mea Res Do- Mea Res Do- Mea Res Do- Mea Res Do- Mea Res	asureme solution: asureme solution: asureme solution: asureme solution: asureme solution:	ent field: ent field: ent field: ent field: ent field: and 2-10 1 dr inpu	y contact	II in E A. 1 for probes mA, 0 probe) from - 0.1 °C from - 0.1 °C from - 0.1 °C from C 1 °C (from C 1 °C (can be (multi-	V3 M9; PTC, NTC; , J or K -10 V or -10	I in EV3 M3 C, Pt 100, Pt 1000 or Ni 12C thermocouples, 0-20 mA, 4-2C 2-10 V transducers (regulation 0 °C (from -58 to 302 °F) 50 °C (from -58 to 230 °F) 50 °C (from -148 to 999 °F) 0 °C (from -112 to 999 °F) C (from 32 to 999 °F) C (from 32 to 999 °F) red , not available if the analogue	
Analog PTC pr NTC pr Pt 100 1000 p Ni 120 J t couple K t couple 0-20 n transd	robes robes) and probes probe thermoses thermoses mA, 4- lucers i input	Mea Mea Res Mea Res Pt Mea Res Do- Mea Res Do- Mea Res Do- Mea Res Do- Mea Res Do- Mea Res	asureme solution: asureme solution: asureme solution: asureme solution: asureme solution:	ent field: ent field: ent field: ent field: ent field: and 2-10 1 dr inpu <u>Cont</u>	y contact t is config	II in E A. 1 for probes mA, 0 probe) from - 0.1 °C from - 0.1 °C from - 0.1 °C from C 1 °C (from C 1 °C (can be (multi-	V3 M9; PTC, NTC; , J or K -10 V or -10	I in EV3 M3 C, Pt 100, Pt 1000 or Ni 120 thermocouples, 0-20 mA, 4-20 2-10 V transducers (regulation 0 °C (from -58 to 302 °F) 50 °C (from -58 to 230 °F) 50 °C (from -148 to 999 °F) 0 °C (from -112 to 999 °F) C (from 32 to 999 °F) c (from 3	
Analog PTC pr NTC pr Pt 100 1000 p Ni 120 J t couple K t couple 0-20 n transd	robes) and probes probes thermos mA, 4- lucers l input	A meitor of the second	asureme solution: asureme solution: asureme solution: asureme solution: asureme solution:	ent field: ent field: ent field: ent field: ent field: and 2-10 1 dr inpu Coni Prot 1 for	y contact t is config tact type: ection: r 0-10 V c	II in E A. 1 for probes probe) from - 0.1 °C from - 0.1 °C from - 0.1 °C from C 1 °C (can be (multi- i °C (can be can be ca	V3 M9; PTC, NTC; J or K -10 V or 	I in EV3 M3 C, Pt 100, Pt 1000 or Ni 120 thermocouples, 0-20 mA, 4-20 2-10 V transducers (regulation 0 °C (from -58 to 302 °F) 0 °C (from -58 to 230 °F) 50 °C (from -148 to 999 °F) 0 °C (from -112 to 999 °F) C (from 32 to 999 °F) C (from 32 to 999 °F) ed 1, not available if the analogue Pt 1000 or NI 120 3 wires 3.3 V, 1 mA none.	
Analog PTC pr NTC pr Pt 100 1000 p Ni 120 J t couple K t transd Digital Dry co	robes) and probes probes thermos mA, 4- lucers l input	A meitor of the second	asureme solution: asureme solution: asureme solution: asureme solution: asureme solution:	ent field: ent field: ent field: ent field: ent field: and 2-10 and 2-10 <u>Cont</u> Proto 1 for Avai	y contact t is config tact type: ection: r 0-10 V c lable in th	II in E A. 1 for probes probe) from - 0.1 °C from - 0.1 °C from C 1 °C (can be can	V3 M9; PTC, NTC, , J or K -10 V or - - 50 to 15C (1 °F). 40 to 11C (1 °F). 100 to 65 (1 °F). 80 to 30C (1 °F). 1 or 700 °1 1 °F). • to 999 ° 1 °F). • configur purpose) r Pt 100, signal. els with p	I in EV3 M3 C, Pt 100, Pt 1000 or Ni 120 thermocouples, 0-20 mA, 4-20 2-10 V transducers (regulation D °C (from -58 to 302 °F) D °C (from -58 to 230 °F) D °C (from -148 to 999 °F) D °C (from -112 to 999 °F) C (from 32 to 999 °F) C (from 32 to 999 °F) C (from 32 to 999 °F) red , not available if the analogue Pt 1000 or NI 120 3 wires 3.3 V, 1 mA none. xwwer supply 12-24 VAC/DC or	
Analog PTC pr NTC pr Pt 100 1000 p Ni 120 J t couple K t transd Digital Dry co	robes) and probes probes thermos mA, 4- lucers l input	A Mea Res Res Res Res Res Res Res Res Res Res	asureme solution: asureme solution: asureme solution: asureme solution: asureme solution: asureme solution: asureme solution:	ent field: ent field: ent field: ent field: ent field: and 2-10 and 2-10 <u>Protection</u> Avai conc	y contact t is config tact type: ection: r 0-10 V c lable in th dition that	II in E A. 1 for probees from - 0.1 °C from - 0.1 °C from - 0.1 °C from - 0.1 °C from - 1 °C (from C 1 °C (an be from C 1 °C (an be from - 0.1 °C from -	V3 M9; PTC, NTC; , J or K -10 V or -10	I in EV3 M3 C, Pt 100, Pt 1000 or Ni 120 thermocouples, 0-20 mA, 4-20 2-10 V transducers (regulation 0 °C (from -58 to 302 °F) 0 °C (from -58 to 230 °F) 50 °C (from -148 to 999 °F) 0 °C (from -112 to 999 °F) C (from 32 to 999 °F) C (from 32 to 999 °F) ed 1, not available if the analogue Pt 1000 or NI 120 3 wires 3.3 V, 1 mA none.	
Analog PTC pr NTC pr Pt 100 1000 p Ni 120 J t couple K t couple 0-20 n transd Digital Dry co Analog Signal	robes robes) and probes probes thermo- ss nA, 4- lucers l input	In the second se	asureme solution: asureme solution: asureme solution: asureme solution: asureme solution: asureme solution: olution: asureme solution: asureme solution: asureme solution:	ent field: ent field: ent field: ent field: ent field: and 2-10 and 2-10 1 for Avai conc pplicable im	y contact t is config tact type: ection: r 0-10 V c lable in th dition that	II in E A. 1 for probes from - 0.1 °C from - 0.1 °C from - 0.1 °C from - 0.1 °C from C 1 °C (from C 1 °C (from - 1 °C (1 °	V3 M9; PTC, NTC; , J or K -10 V or - -10 V or - -10 V or - - -10 V or - - - - - - - - - - - - -	I in EV3 M3 C, Pt 100, Pt 1000 or Ni 120 thermocouples, 0-20 mA, 4-20 2-10 V transducers (regulation D °C (from -58 to 302 °F) D °C (from -58 to 230 °F) D °C (from -148 to 999 °F) D °C (from -112 to 999 °F) C (from 32 to 999 °F) C (from 32 to 999 °F) C (from 32 to 999 °F) red , not available if the analogue Pt 1000 or NI 120 3 wires 3.3 V, 1 mA none. wwwer supply 12-24 VAC/DC on	
Analog PTC pr NTC pr Pt 100 1000 p Ni 120 J t couple K t t couple C-20 n transd Digital Dry co Analog Signal 0-10 V	robes robes and probes probe thermo- ss thermo- ss in nnA, 4- lucers gue ou	In the second se	asureme solution: asureme solution: asureme solution: asureme solution: asureme solution: asureme solution: asureme solution:	ent field: ent field: ent field: ent field: ent field: and 2-10 ent field: and 2-10 <u>Coni</u> Prot 1 for Avai conc uplicable im	y contact t is config tact type: ection: r 0-10 V c lable in th dition that pedance	II in E A. 1 for probes probe) from - 0.1 °C from - 0.1 °C from - 0.1 °C from C 1 °C (from C 1 °C (multi- from C 1 °C (1 °	V3 M9; PTC, NTC; , J or K -10 V or -10	I in EV3 M3 C, Pt 100, Pt 1000 or Ni 120 thermocouples, 0-20 mA, 4-20 2-10 V transducers (regulation 0 °C (from -58 to 302 °F) 50 °C (from -58 to 230 °F) 50 °C (from -148 to 999 °F) 0 °C (from -148 to 999 °F) C (from 32 to 999 °F) C (from 3	
Analog PTC pr NTC pr Pt 100 1000 p Ni 120 J t couple K t t couple 0-20 n transd Digital Dry co Analog Signal 0-10 V Digital	robes robes and probes probe thermo- ss nA, 4-1 lucers linput input y (output (output)	In the second se	asureme solution: asureme solution: asureme solution: asureme solution: asureme solution: asureme solution: olution: asureme solution: asureme solution: asureme solution:	ent field: ent field: ent field: ent field: ent field: and 2-10 ent field: and 2-10 <u>Coni</u> Prot 1 for Avai conc uplicable im	y contact t is config tact type: ection: r 0-10 V c lable in th dition that pedance	II in E A. 1 for probes mA, 0 0.1 °C from - 0.1 °C from - 1 °C (multi- from - 1 °C (multi- tron - tron	V3 M9; PTC, NTC; , J or K -10 V or - 50 to 15C (1 °F). 40 to 11C (1 °F). 100 to 65 (1 °F). 100 to 65 (1 °F). 10 700 ° 1 °F). 10 700 ° 1 °F). configur purpose) r Pt 100, signal. els with pr e powere nm V jical relay	I in EV3 M3 C, Pt 100, Pt 1000 or Ni 120 thermocouples, 0-20 mA, 4-20 2-10 V transducers (regulation 0 °C (from -58 to 302 °F) 50 °C (from -58 to 230 °F) 50 °C (from -148 to 999 °F) 50 °C (from -148 to 999 °F) C (from 32 to 999 °F) C (from	
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Analog PTC pr NTC pr Pt 100 1000 p Ni 120 J t couple K t t couple 0-20 n transd Digital Dry co Analog Signal 0-10 V Digital	robes robes) and probes probe thermodeline probe thermodeline probe probe thermodeline probe thermodeline thermode	In the second se	asureme solution: asureme solution: asureme solution: asureme solution: asureme solution: asureme solution: olution: asureme solution: asureme solution: asureme solution:	ent field: ent field: ent field: ent field: ent field: and 2-10 ent field: and 2-10 <u>Coni</u> Prot 1 for Avai conc uplicable im	y contact t is config tact type: ection: r 0-10 V c lable in th dition that pedance	II in E A. A. I for probes probes probe) from - 0.1 °C from - 1 °C from - 1 °C from - 1 °C from - 0.1 °C from - 1 °C from - 1 °C from - 0.1 °C from - 1 °C from - 0.1 °C from - 0.0	V3 M9; PTC, NTC, , J or K -10 V or - 50 to 155 (1 °F). 40 to 110 (1 °F). 100 to 65 (1 °F). 80 to 300 (1 °F). 1 to 700 ° 1 °F). • to 790 ° 1 °F). • configur - purpose) r Pt 100, signal. els with p re power - nm V vical relay , 16 A res. , 8 A res.	I in EV3 M3 C, Pt 100, Pt 1000 or Ni 120 thermocouples, 0-20 mA, 4-20 2-10 V transducers (regulation 0 °C (from -58 to 302 °F) 50 °C (from -58 to 230 °F) 50 °C (from -148 to 999 °F) 0 °C (from -112 to 999 °F) C (from 32 to 999 °F) C (from 3	
Analog PTC pr NTC pr Pt 100 1000 p Ni 120 J t couple K t t couple 0-20 n transd Digital Dry co Analog Signal 0-10 V Digital K1 rela K2 rela K3 rela	robes robes probes probes probes probes thermores mA, 4- lucers input ucers ucers (ucers ucers (ucers	In the second se	asureme solution: asureme solution: asureme solution: asureme solution: asureme solution: asureme solution: asureme solution: asureme solution:	ent field: ent field: ent field: ent field: ent field: and 2-10 ent field: and 2-10 <u>Coni</u> Prot 1 for Avai conc uplicable im	y contact t is config tact type: ection: r 0-10 V c lable in th dition that pedance	II in E A. I for probes probe) from - 0.1 °C from - 0.1 °C from - 0.1 °C from - 0.1 °C from 0.1 °C from 0.0 °C	V3 M9; PTC, NTC; J or K -10 V or - - 50 to 155 (1 °F). 40 to 110 (1 °F). 100 to 65 (1 °F). 100 to 65 (1 °F). 100 to 300 (1 °F). 10 700 ° 10 700 °	I in EV3 M3 C, Pt 100, Pt 1000 or Ni 120 thermocouples, 0-20 mA, 4-20 2-10 V transducers (regulation 0 °C (from -58 to 302 °F) 50 °C (from -58 to 230 °F) 50 °C (from -148 to 999 °F) 50 °C (from -148 to 999 °F) C (from 32 to 999 °F) C (from	

	beforehand.
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8 CONFIGURATION PARAMETERS

	N.	PAR.	DEF.	SETPOINT	MIN MAX.
Û	1	SP	0.0	setpoint	r1 r2
B -	2	SP2	0.0	setpoint 2	r7 r8 not available if u0 = 0, 3 or 4
	N.	PAR.	DEF.	ANALOGUE INPUTS	MIN MAX.
	3	CA1	0.0	regulation probe offset	-25 25 °C/°F
0.	4	PO	2	type of probe	$\begin{array}{llllllllllllllllllllllllllllllllllll$
•	5	P1	0	enable decimal point °C	0 = no 1 = yes if P0 = 2 or 3, not effective if P0 = 8 11, position of decimal point: 0 = none 1 = tens digit
	6	P2	0	measurement unit	$0 = {}^{\circ}C \qquad 1 = {}^{\circ}F$ $2 = \% \qquad 3 = bar$ $4 = none$ options 2 4 effective only on LEDs and if PO = 8 11

°C/°F	K3 relay	SPDT, 8 A res. @ 250 VAC.				
d	Type 1 or Type 2 Actions	Type 1				
te minimum	Additional features of Type 1 or Type 2	C.				
te maximum	actions					
Im relative to SP2	Displays	LED display, 3 digit, with function icons				
IIII Telative to SP2	Alarm buzzer	Built-in				
1	Communications ports	1 TTL MODBUS slave port for programming key, for EVlink Wi-Fi module (system EPoCA), for EVlink BLE module (app				
		EVconnect) or for serial interface (BMS).				
arm active arm not active						
F						
1 = yes						
1 900	N.B.					
		ng to local regulations governing the collection				
d A	of electrical and electronic equipment.	ing to local regulations governing the concettoin				
iA + regulator 1						
egulator 2 off	This document and the solutions contained therei	n are the intellectual property of EVCO and thus				
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	full or partial reproduction and disclosure of the con					
iA2 + regulator 2	The customer (manufacturer, installer or end-user) a device.	issumes all responsibility for the configuration of the				
s device on/off	EVCO accepts no liability for any possible errors in this document and reserves the right to make an					
es setpoint 1 and it 2	changes, at any time without prejudice to the essent	ial functional and safety features of the equipment.				
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