# EV3422 Multi-sensor

EN ENGLIS

2-10 V)

or shocks;

N.B



## Universal controllers with two regulation outputs for industrial applications





## 115... 230 VAC in EV3422M9 12-24 VAC/DC in EV3422M3

1 2



#### PRECAUTIONS FOR ELECTRICAL CONNECTION

- if using an electrical or pneumatic screwdriver, adjust the tightening torque;
- 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
- for repairs and for further information, contact the EVCO sales network.

#### FIRST-TIME USE

- Install following the instructions given in the section MEASUREMENTS AND 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

<b>4.3.2</b> Setting setpoint 1 and setpoint 2 (if u0 = 1 or 2) Check that the keypad is not locked.				
	1.	<b>≙</b> 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 valu within the limits r1 and r2 (default "0 350").	
	3.	<b>≙</b> SET	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 valu within the limits r7 and r8 (default "0 350").	
	5.	<b>≙</b> SET	Touch the SET key (or take no action for 15s).	
	4 4	PID control activa	tion with auto-tuning (if $r_{20} = 1$ , default)	







6	5.p.A.   E ADDIT			
.1	Displa	ying/se	-	the value delivered by the analogue output
	1.		is no	t locked.
1.			<u> </u>	Touch the DOWN key for 4s.
2.	Ý FN			Touch the UP or DOWN key within 15s to select a label.
	LAB.	DESC		
	uA uM			he value delivered by the analogue output
3.		SET	<u>,</u>	Touch the SET key.
			1	
1.	Ý FN		<u>وا</u>	Touch the UP or DOWN key to set the value (to select <b>uM</b> ).
5.		SET	<u> </u>	Touch the SET key. Touch the ON/STAND-BY key (or take no action for 60s) to exi
5.		$\bigcirc$	l	the procedure.
.2	Displa	ying th	e nur	nber of start-ups of the relays
heck				t locked.
	FN		<u> </u>	Touch the DOWN key for 4s.
2.	<b>√</b> FN			Touch the UP or DOWN key within 15s to select a label.
	LAB.	DESC		
	nS1 nS2			ne number of start-ups of the K1 relay in thousands ne number of start-ups of the K2 relay in thousands
		SET	[	Touch the SET key.
			<u> </u> 	Touch the ON/STAND-BY key (or take no action for 60s) to exi
		$\bigcirc$	I	the procedure.
3				nperature detected by the regulation probe
			is no	it locked.
•	FN			Touch the DOWN key for 4s.
2.	<b>√</b> FN			Touch the UP or DOWN key within 15s to select a label.
	LAB.	DESC	RIPTIC	DN
	Pb1	regula	tion t	emperature
		SET		Touch the SET key.
		$\bigcirc$		Touch the ON/STAND-BY key (or take no action for 60s) to exit the procedure.
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Ö <sub>o</sub>	Settin N.B. Chang param	<b>g config</b> ging par neters w	amete	er P2 from °C to °F (and vice versa) causes the value of th unit of measurement is °C or °F to be changed automatically.
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22. 33. 44. 55. 55. 77. 33. 92. 14. 15. 14. 15. 14. 15. 15. 15. 15. 15. 15. 15. 15	N.B.         Chang         param         I       I <tr< td=""><td>g config ping par heters w SET SET SET SET SET SET SET SET set that can fac eck that can fac set that can fac set that can fac set that can fac set that can fac set that can fac set that set that can fac set that set th</td><td>ametet hose i i j j i tory : tory : tory : tory : RIPTIC for re</td><td>er P2 from °C to °F (and vice versa) causes the value of the unit of measurement is °C or °F to be changed automatically. Touch the SET key for 4s: the display will show the label <b>*PA*</b>. Touch the SET key. Touch the UP or DOWN key within 15s to set the PAS value (default <b>**19</b>*). Touch the SET key (or take no action for 15s): the display will show the label <b>*SP*</b>. Touch the UP or DOWN key to select a parameter. Touch the UP or DOWN key within 15s to set the value. Touch the SET key. Touch the SET key (or take no action for 15s). Touch the SET key (or take no action for 15s). Touch the SET key (or take no action for 60s) to exit the procedure. <b>settings (default) and saving customised settings</b> actory settings are appropriate; see the section <i>CONFIGURATION</i> ed settings overwrites the factory settings. Touch the SET key for 4s: the display will show the label <b>*PA*</b>. Touch the SET key (or take no action for 15s): Touch the SET key (or 4s: the display will show the label <b>*PA*</b>. Touch the SET key (or take no action for 15s): the display will storing the factory information (default) ving customised settings Touch the SET key (or take no action for 15s): the display will show the label <b>*dEF*</b> (for setting the <b>*149*</b> value) or the label <b>*MAP*</b> (for setting the <b>*161*</b> value) Touch the SET key.</td></tr<>	g config ping par heters w SET SET SET SET SET SET SET SET set that can fac eck that can fac set that can fac set that can fac set that can fac set that can fac set that can fac set that set that can fac set that set th	ametet hose i i j j i tory : tory : tory : tory : RIPTIC for re	er P2 from °C to °F (and vice versa) causes the value of the unit of measurement is °C or °F to be changed automatically. Touch the SET key for 4s: the display will show the label <b>*PA*</b> . Touch the SET key. Touch the UP or DOWN key within 15s to set the PAS value (default <b>**19</b> *). Touch the SET key (or take no action for 15s): the display will show the label <b>*SP*</b> . Touch the UP or DOWN key to select a parameter. Touch the UP or DOWN key within 15s to set the value. Touch the SET key. Touch the SET key (or take no action for 15s). Touch the SET key (or take no action for 15s). Touch the SET key (or take no action for 60s) to exit the procedure. <b>settings (default) and saving customised settings</b> actory settings are appropriate; see the section <i>CONFIGURATION</i> ed settings overwrites the factory settings. Touch the SET key for 4s: the display will show the label <b>*PA*</b> . Touch the SET key (or take no action for 15s): Touch the SET key (or 4s: the display will show the label <b>*PA*</b> . Touch the SET key (or take no action for 15s): the display will storing the factory information (default) ving customised settings Touch the SET key (or take no action for 15s): the display will show the label <b>*dEF*</b> (for setting the <b>*149*</b> value) or the label <b>*MAP*</b> (for setting the <b>*161*</b> value) Touch the SET key.
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	۱.,	P4	100	transducor calibration	100 000 points
	8	P4	100	maximum transducer calibration value	-199 999 points
	9	P5	0	value displayed	0 = regulation temperature 1 = setpoint 1
	10	P8	5	display refresh time	0 250 s : 10
	N.	PAR.	DEF.	DIGITAL OUTPUTS	MIN MAX.
	11	u0	0	operating logic	0 = 1 regulator 1 = 2 regulators with second
					setpoint relative to the
					first 2 = 2 regulators with 2
					independent setpoints 3 = neutral zone regulation
					4 = 2-step regulation
	12	u1	1	K1 output configuration	0 = disabled
					1 = regulator 1 2 = regulator 2
2	10			in the section section	3 = alarm
	13	u2	2	K2 output configuration	0 = disabled 1 = regulator 1
					2 = regulator 2 3 = alarm
	14	uA	1	analogue output configuration	0 = disabled
					1 = proportional to regulation temperature
					2 = regulator 1
	15	ub	0	type of analogue output	3 = regulator 2 0 = 0-10 V 1 = PWM
	16	uc	0.0	regulation temperature for	-199 ud °C/°F/points
	17	ud	100	minimum analogue output value regulation temperature for	uc 199 °C/°F/points
			100	maximum analogue output value	
	N.	PAR.	DEF.	REGULATION	MIN MAX.
	18	rA	0	PID control configuration	0 = disabled 1 = regulator 1
××					2 = regulator 2 Effective only if u0 = 1 or 2
	19	r0	2.0	setpoint 1 differential	1 99 °C/°F
*					if u0 = 3, cold mode regulation differential
	20	r1	0.0	minimum setpoint 1	-199 °C/°F r2
	21 22	r2 r5	350 0	maximum setpoint 1 hot or cold mode regulation	r1 999 °C/°F 0 = cold mode
	22	15	U	hot or cold mode regulation regulator 1	0 = cold mode 1 = hot mode
	23	r6	2.0	setpoint 2 differential	1 99 °C/°F if u0 = 3, hot mode
					regulation differential
	24 25	r7 r8	0.0 350	minimum setpoint 2 maximum setpoint 2	-199 °C/°F r8 r7 999 °C/°F
- •	25	r9	0	block setpoint 2 adjustment	0 = no 1 = yes
*	27	r10	0	hot or cold mode regulation regulator 2	0 = cold mode 1 = hot mode
	28	r11	0.0	digital input second setpoint 1	-199 999 °C/°F
	29	r12	0.0	digital input second setpoint 2	setpoint 1 + r11 -199 999 °C/°F
					setpoint 2 + r12
	30	r13	5.0	neutral zone value	1 999 °C/°F if u0 = 4, two steps
	31	r14	50	proportional band integral action time	1 999 °C/°F 0 999 s
	132	r15	60	Integral action time	
	32 33	r15 r16	60 30	derivative action time	0 999 s
				PID regulator cycle time on PWM	
	33	r16	30	PID regulator cycle time on PWM relay or analogue output PID regulator minimum time on	0 999 s
	33 34	r16 r17	30 180	PID regulator cycle time on PWM relay or analogue output	0 999 s 1 999 s
	33 34 35 36	r16 r17 r18 r19	30 180 0 0	PID regulator cycle time on PWM relay or analogue output PID regulator minimum time on on PWM relay or analogue output PID regulator minimum time off on PWM relay or analogue output	0 999 s 1 999 s 0 240 s 0 240 s
	33 34 35	r16 r17 r18	30 180 0	PID regulator cycle time on PWM relay or analogue output PID regulator minimum time on on PWM relay or analogue output PID regulator minimum time off	0 999 s 1 999 s 0 240 s
	33 34 35 36 37 38	r16 r17 r18 r19 r20 r21	30 180 0 0 1 240	PID regulator cycle time on PWM relay or analogue output PID regulator minimum time on on PWM relay or analogue output PID regulator minimum time off on PWM relay or analogue output enable PID control with auto- tuning auto-tuning maximum duration	0 999 s 1 999 s 0 240 s 0 240 s 0 = no 1 = yes 2 240 min
	33 34 35 36 37	r16 r17 r18 r19 r20	30 180 0 1	PID regulator cycle time on PWM relay or analogue output PID regulator minimum time on on PWM relay or analogue output PID regulator minimum time off on PWM relay or analogue output enable PID control with auto- tuning auto-tuning maximum duration REGULATOR PROTECTION minimum time between two	0 999 s 1 999 s 0 240 s 0 240 s 0 = no 1 = yes
	33 34 35 36 37 38 N. 39	r16 r17 r18 r19 r20 r21 PAR.	30 180 0 0 1 240 DEF.	PID regulator cycle time on PWM relay or analogue output PID regulator minimum time on on PWM relay or analogue output PID regulator minimum time off on PWM relay or analogue output enable PID control with auto- tuning auto-tuning maximum duration REGULATOR PROTECTION minimum time between two power-ons of regulator 1	0 999 s 1 999 s 0 240 s 0 240 s 0 = no 1 = yes 2 240 min MIN MAX. 0 240 min
	33 34 35 36 37 38 N. 39 40	r16 r17 r18 r19 r20 r21 PAR. C1 C2	30 180 0 0 1 240 DEF. 0 0	PID regulator cycle time on PWM relay or analogue output PID regulator minimum time on on PWM relay or analogue output PID regulator minimum time off on PWM relay or analogue output enable PID control with auto- tuning auto-tuning maximum duration <b>REGULATOR PROTECTION</b> minimum time between two power-ons of regulator 1 minimum time off and delay from power-on of regulator 1	0 999 s 1 999 s 0 240 s 0 240 s 0 = no 1 = yes 2 240 min MIN MAX. 0 240 min 0 240 min 0 240 min
	33 34 35 36 37 38 N. 39	r16 r17 r18 r19 r20 r21 PAR. C1	30 180 0 0 1 240 DEF. 0	PID regulator cycle time on PWM relay or analogue output PID regulator minimum time on on PWM relay or analogue output PID regulator minimum time off on PWM relay or analogue output enable PID control with auto- tuning auto-tuning maximum duration REGULATOR PROTECTION minimum time between two power-ons of regulator 1 minimum time off and delay from	0 999 s 1 999 s 0 240 s 0 240 s 0 = no 1 = yes 2 240 min MIN MAX. 0 240 min
	33 34 35 36 37 38 N. 39 40 41 42	r16 r17 r18 r19 r20 r21 PAR. C1 C2 C2 C2 C3 C4	30 180 0 1 240 DEF. 0 0 0 0	PID regulator cycle time on PWM relay or analogue output PID regulator minimum time on on PWM relay or analogue output PID regulator minimum time off on PWM relay or analogue output enable PID control with auto- tuning auto-tuning maximum duration <b>REGULATOR PROTECTION</b> minimum time between two power-ons of regulator 1 minimum time on regulator 1 minimum time on regulator 1 regulator 1 activity during regulation probe alarm	0 999 s 1 999 s 0 240 s 0 240 s 0 = no 1 = yes 2 240 min MIN MAX. 0 240 min 0 240 min 0 240 s 0 = off 1 = on
	33 34 35 36 37 38 N. 39 40 41	r16 r17 r18 r19 r20 r21 PAR. C1 C2 C3	30 180 0 1 1 240 DEF. 0 0 0	PID regulator cycle time on PWM relay or analogue output PID regulator minimum time on on PWM relay or analogue output PID regulator minimum time off on PWM relay or analogue output enable PID control with auto- tuning auto-tuning maximum duration <b>REGULATOR PROTECTION</b> minimum time between two power-ons of regulator 1 minimum time on regulator 1 minimum time on regulator 1 regulator 1 activity during	0 999 s 1 999 s 0 240 s 0 240 s 0 = no 1 = yes 2 240 min MIN MAX. 0 240 min 0 240 min 0 240 s
	33 34 35 36 37 38 N. 39 40 41 42	r16 r17 r18 r19 r20 r21 PAR. C1 C2 C2 C2 C3 C4	30 180 0 1 240 DEF. 0 0 0 0	PID regulator cycle time on PWM relay or analogue output PID regulator minimum time on on PWM relay or analogue output PID regulator minimum time off on PWM relay or analogue output enable PID control with auto- tuning auto-tuning maximum duration <b>REGULATOR PROTECTION</b> minimum time between two power-ons of regulator 1 minimum time on regulator 1 regulator 1 activity during regulation probe alarm minimum time between two power-ons of regulator 2 minimum time between two power-ons of regulator 1	0 999 s 1 999 s 0 240 s 0 240 s 0 = no 1 = yes 2 240 min MIN MAX. 0 240 min 0 240 min 0 240 s 0 = off 1 = on
	33         34           35         36           37         38           N.         39           40         41           42         43           44         45	r16 r17 r18 r19 r20 r21 PAR. C1 C2 C2 C3 C4 C5 C6 C7	30 180 0 1 240 DEF. 0 0 0 0 0 0 0 0	PID regulator cycle time on PWM relay or analogue output PID regulator minimum time on on PWM relay or analogue output PID regulator minimum time off on PWM relay or analogue output enable PID control with auto- tuning auto-tuning maximum duration <b>REGULATOR PROTECTION</b> minimum time between two power-ons of regulator 1 minimum time on regulator 1 regulator 1 activity during regulation probe alarm minimum time between two power-ons of regulator 2 minimum time off and delay from power-ons of regulator 2 minimum time off and delay from power-on of regulator 2	0 999 s 1 999 s 0 240 s 0 = no 1 = yes 2 240 min MIN MAX. 0 240 min 0 240 min
	33 34 35 36 37 38 N. 39 40 41 42 43 44	r16 r17 r18 r19 r20 r21 PAR. C1 C2 C2 C3 C4 C5 C5 C6	30 180 0 1 240 DEF. 0 0 0 0 0 0 0	PID regulator cycle time on PWM relay or analogue output PID regulator minimum time on on PWM relay or analogue output PID regulator minimum time off on PWM relay or analogue output enable PID control with auto- tuning auto-tuning maximum duration <b>REGULATOR PROTECTION</b> minimum time between two power-ons of regulator 1 minimum time of f and delay from power-on of regulator 1 regulator 1 activity during regulation probe alarm minimum time between two power-ons of regulator 2 minimum time between two power-ons of regulator 2	0 999 s         1 999 s         0 240 s         0 240 s         0 = no       1 = yes         2 240 min         MIN MAX.         0 240 min         0 240 s         0 240 min         0 240 s         0 240 min         0 240 s         0 = off       1 = on         0 240 min         0 240 min         0 240 min
	33         34           35         36           37         38           N.         39           40         41           42         43           44         45           46         N.	r16 r17 r18 r19 r20 r21 PAR. C1 C2 C2 C3 C4 C5 C6 C7 C6 PAR.	30 180 0 1 240 DEF. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PID regulator cycle time on PWM relay or analogue output PID regulator minimum time on on PWM relay or analogue output PID regulator minimum time off on PWM relay or analogue output enable PID control with auto- tuning auto-tuning maximum duration <b>REGULATOR PROTECTION</b> minimum time between two power-ons of regulator 1 minimum time off and delay from power-ons of regulator 1 regulator 1 activity during regulation probe alarm minimum time between two power-ons of regulator 2 minimum time off and delay from power-ons of regulator 2 minimum time off and delay from power-on of regulator 2 minimum time on regulator 2 regulator 2 activity during regulation probe alarm	0 999 s         1 999 s         0 240 s         0 240 s         0 = no       1 = yes         2 240 min         MIN MAX.         0 240 min         0 240 s         0 = off       1 = on         0 240 min         0 240 min         0 240 min         0 240 min         0 240 s         0 = off       1 = on         MIN MAX.
	33         34           35         36           37         38           N.         39           40         41           42         43           44         45           46         N.           47	r16 r17 r18 r19 r20 r21 PAR. C1 C2 C2 C3 C4 C5 C6 C7 C6 C7 C8 PAR. A1	30 180 0 1 240 DEF. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PID regulator cycle time on PWM relay or analogue output PID regulator minimum time on on PWM relay or analogue output PID regulator minimum time off on PWM relay or analogue output enable PID control with auto- tuning auto-tuning maximum duration <b>REGULATOR PROTECTION</b> minimum time between two power-ons of regulator 1 minimum time off and delay from power-ons of regulator 1 regulator 1 activity during regulation probe alarm minimum time between two power-ons of regulator 2 minimum time off and delay from power-ons of regulator 2 minimum time off and delay from power-ons of regulator 2 minimum time off and delay from power-on of regulator 2 minimum time on regulator 2 regulator 2 activity during regulation probe alarm <b>ALARMS</b> temperature 1 alarm threshold	0 999 s 1 999 s 0 240 s 0 240 s 0 = no 1 = yes 2 240 min MIN MAX. 0 240 min 0 240
	33         34           35         36           37         38           N.         39           40         41           42         43           44         45           46         N.	r16 r17 r18 r19 r20 r21 PAR. C1 C2 C2 C3 C4 C5 C6 C7 C6 C7 C8 PAR.	30 180 0 1 240 DEF. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PID regulator cycle time on PWM relay or analogue output PID regulator minimum time on on PWM relay or analogue output PID regulator minimum time off on PWM relay or analogue output enable PID control with auto- tuning auto-tuning maximum duration <b>REGULATOR PROTECTION</b> minimum time between two power-ons of regulator 1 minimum time off and delay from power-ons of regulator 1 regulator 1 activity during regulation probe alarm minimum time between two power-ons of regulator 2 minimum time off and delay from power-ons of regulator 2 minimum time off and delay from power-on of regulator 2 minimum time on regulator 2 regulator 2 activity during regulation probe alarm	0 999 s         1 999 s         0 240 s         0 240 s         0 = no       1 = yes         2 240 min         MIN MAX.         0 240 s         0 240 min         MIN MAX.         0 240 min         0 240 min         0 240 min         0 240 s         0 = off       1 = on         0 240 min         0 240 min         0 240 min         0 240 min         0 240 s         0 = off       1 = on         MIN MAX.         -199 999 °C/°F         0 = disabled         1 = absolute minimum
	33         34           35         36           37         38           N.         39           40         41           42         43           44         45           46         N.           47	r16 r17 r18 r19 r20 r21 PAR. C1 C2 C2 C3 C4 C5 C6 C7 C6 C7 C8 PAR. A1	30 180 0 1 240 DEF. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PID regulator cycle time on PWM relay or analogue output PID regulator minimum time on on PWM relay or analogue output PID regulator minimum time off on PWM relay or analogue output enable PID control with auto- tuning auto-tuning maximum duration <b>REGULATOR PROTECTION</b> minimum time between two power-ons of regulator 1 minimum time off and delay from power-ons of regulator 1 regulator 1 activity during regulation probe alarm minimum time between two power-ons of regulator 2 minimum time off and delay from power-ons of regulator 2 minimum time off and delay from power-ons of regulator 2 minimum time off and delay from power-on of regulator 2 minimum time on regulator 2 regulator 2 activity during regulation probe alarm <b>ALARMS</b> temperature 1 alarm threshold	0 999 s 1 999 s 0 240 s 0 240 s 0 = no 1 = yes 2 240 min MIN MAX. 0 240 min 0 240 min 0 240 min 0 240 s 0 = off 1 = on 0 240 s 0 = off 1 = on MIN MAX. -199 999 °C/°F 0 = disabled
<b>A</b>	33         34           35         36           37         38           N.         39           40         41           42         43           44         45           46         N.           47         48	r16 r17 r18 r19 r20 r21 PAR. C1 C2 C3 C4 C5 C6 C7 C8 PAR. A1 A2	30 180 0 1 240 DEF. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PID regulator cycle time on PWM relay or analogue output PID regulator minimum time on on PWM relay or analogue output PID regulator minimum time off on PWM relay or analogue output enable PID control with auto- tuning auto-tuning maximum duration <b>REGULATOR PROTECTION</b> minimum time between two power-ons of regulator 1 minimum time off and delay from power-on of regulator 1 minimum time on regulator 1 regulator 1 activity during regulation probe alarm minimum time between two power-ons of regulator 2 minimum time off and delay from power-on of regulator 2 minimum time on regulator 2 minimum time on regulator 2 minimum time on regulator 2 minimum time on regulator 2 regulator 2 activity during regulation probe alarm <b>ALARMS</b> temperature 1 alarm threshold temperature 1 alarm type	0 999 s         1 999 s         0 240 s         0 240 s         0 240 s         2 240 min         MIN MAX.         0 240 min         0 240 s         0 = off       1 = on         0 240 min         0 240 min         0 240 min         0 240 min         0 240 s         0 = off       1 = on         MIN MAX.         -199 999 °C/°F         0 = disabled         1 = absolute minimum         2 = absolute maximum         3 = minimum relative to SP         4 = maximum relative to SP
	33         34           35         36           37         38           N.         39           40         41           42         43           44         45           46         N.           47	r16 r17 r18 r19 r20 r21 PAR. C1 C2 C2 C3 C4 C5 C6 C7 C6 C7 C8 PAR. A1	30 180 0 1 240 DEF. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PID regulator cycle time on PWM relay or analogue output PID regulator minimum time on on PWM relay or analogue output PID regulator minimum time off on PWM relay or analogue output enable PID control with auto- tuning auto-tuning maximum duration <b>REGULATOR PROTECTION</b> minimum time between two power-ons of regulator 1 minimum time off and delay from power-ons of regulator 1 regulator 1 activity during regulation probe alarm minimum time between two power-ons of regulator 2 minimum time off and delay from power-ons of regulator 2 minimum time off and delay from power-ons of regulator 2 minimum time off and delay from power-on of regulator 2 minimum time on regulator 2 regulator 2 activity during regulation probe alarm <b>ALARMS</b> temperature 1 alarm threshold	0 999 s         1 999 s         0 240 s         0 240 s         0 = no       1 = yes         2 240 min         MIN MAX.         0 240 min         0 240 s         0 = off       1 = on         MIN MAX.         -199 999 °C/°F         0 = disabled         1 = absolute maximum         2 = absolute maximum         3 = minimum relative to SP
	33         34           35         36           37         38           8         N.           40         41           42         43           44         45           46         N.           47         48           49         49	r16 r17 r18 r19 r20 r21 PAR. C1 C2 C3 C4 C5 C6 C7 C8 PAR. A1 A2 A3	30 180 0 1 240 DEF. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PID regulator cycle time on PWM relay or analogue output PID regulator minimum time on on PWM relay or analogue output PID regulator minimum time off on PWM relay or analogue output enable PID control with auto- tuning auto-tuning maximum duration <b>REGULATOR PROTECTION</b> minimum time between two power-ons of regulator 1 minimum time off and delay from power-ons of regulator 1 regulator 1 activity during regulation probe alarm minimum time between two power-ons of regulator 2 minimum time off and delay from power-ons of regulator 2 minimum time off and delay from power-ons of regulator 2 minimum time off and delay from power-on of regulator 2 minimum time on regulator 2 regulator 2 activity during regulation probe alarm <b>ALARMS</b> temperature 1 alarm threshold temperature 1 alarm type	0 999 s         1 999 s         0 240 s         0 240 s         0 = no       1 = yes         2 240 min         MIN MAX.         0 240 min         0 240 s         0 = off       1 = on         MIN MAX.         -199 999 °C/°F         0 = disabled         1 = absolute maximum         3 = minimum relative to SP         4 = maximum relative to SP         0 999 min         -199 199 °C/°F         0 = disabled
	33         34           35         36           37         38           39         40           41         42           43         44           45         46           N.         47           48         49           50         50	r16 r17 r18 r19 r20 r21 PAR. C1 C2 C3 C4 C5 C6 C7 C8 PAR. A1 A2 A3 A4	30 180 0 1 240 DEF. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PID regulator cycle time on PWM relay or analogue output PID regulator minimum time on on PWM relay or analogue output PID regulator minimum time off on PWM relay or analogue output enable PID control with auto- tuning auto-tuning maximum duration <b>REGULATOR PROTECTION</b> minimum time between two power-ons of regulator 1 minimum time off and delay from power-ons of regulator 1 regulator 1 activity during regulation probe alarm minimum time between two power-ons of regulator 2 minimum time off and delay from power-ons of regulator 2 minimum time on regulator 2 regulator 2 activity during regulation probe alarm Minimum time on regulator 2 minimum time on regulator 2 regulator 2 activity during regulation probe alarm <b>ALARMS</b> temperature 1 alarm threshold temperature 1 alarm type	0 999 s         1 999 s         0 240 s         0 240 s         0 = no       1 = yes         2 240 min         MIN MAX.         0 240 min         0 240 s         0 = off       1 = on         0 240 min         0 240 min         0 240 s         0 = off       1 = on         MIN MAX.         -199 999 °C/°F         0 = disabled         1 = absolute minimum         2 = absolute maximum         3 = minimum relative to SP         4 = maximum relative to SP         0 999 min         -199 199 °C/°F         0 = disabled         1 = absolute minimum         2 = absolute minimum         2 = absolute minimum
	33         34           35         36           37         38           39         40           41         42           43         44           45         46           N.         47           48         49           50         50	r16 r17 r18 r19 r20 r21 PAR. C1 C2 C3 C4 C5 C6 C7 C8 PAR. A1 A2 A3 A4	30 180 0 1 240 DEF. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PID regulator cycle time on PWM relay or analogue output PID regulator minimum time on on PWM relay or analogue output PID regulator minimum time off on PWM relay or analogue output enable PID control with auto- tuning auto-tuning maximum duration <b>REGULATOR PROTECTION</b> minimum time between two power-ons of regulator 1 minimum time off and delay from power-ons of regulator 1 regulator 1 activity during regulation probe alarm minimum time between two power-ons of regulator 2 minimum time off and delay from power-ons of regulator 2 minimum time on regulator 2 regulator 2 activity during regulation probe alarm Minimum time on regulator 2 minimum time on regulator 2 regulator 2 activity during regulation probe alarm <b>ALARMS</b> temperature 1 alarm threshold temperature 1 alarm type	0 999 s         1 999 s         0 240 s         0 240 s         0 = no       1 = yes         2 240 min         MIN MAX.         0 240 min         0 240 min         MIN MAX.         0 240 min         0 240 s         0 = off       1 = on         MIN MAX.         -199 999 °C/°F         0 = disabled         1 = absolute minimum         2 = absolute minimum         2 = absolute minimum         2 = absolute minimum         2 = absolute minimum         1 = absolute minimum         -199 199 °C/°F         0 = disabled         1 = absolute minimum
	33         34           35         36           37         38           39         40           41         42           43         44           45         46           N.         47           48         49           50         50	r16 r17 r18 r19 r20 r21 PAR. C1 C2 C3 C4 C5 C6 C7 C8 PAR. A1 A2 A3 A4	30 180 0 1 240 DEF. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PID regulator cycle time on PWM relay or analogue output PID regulator minimum time on on PWM relay or analogue output PID regulator minimum time off on PWM relay or analogue output enable PID control with auto- tuning auto-tuning maximum duration <b>REGULATOR PROTECTION</b> minimum time between two power-ons of regulator 1 minimum time off and delay from power-ons of regulator 1 regulator 1 activity during regulation probe alarm minimum time between two power-ons of regulator 2 minimum time off and delay from power-ons of regulator 2 minimum time on regulator 2 regulator 2 activity during regulation probe alarm Minimum time on regulator 2 minimum time on regulator 2 regulator 2 activity during regulation probe alarm <b>ALARMS</b> temperature 1 alarm threshold temperature 1 alarm type	0 999 s         1 999 s         0 240 s         0 240 s         0 240 min         MIN MAX.         0 240 min         0 240 s         0 = off       1 = on         0 240 min         0 240 min         0 240 min         0 240 s         0 = off       1 = on         MIN MAX.         -199 999 °C/°F         0 = disabled         1 = absolute maximum         3 = minimum relative to SP         0 999 min         -199 199 °C/°F         0 = disabled         1 = absolute maximum         3 = minimum relative to SP2         0 = disabled         1 = absolute maximum         2 = absolute maximum         3 = minimum relative to SP2         4 = maximum relative to SP2         0 999 min

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	66	rEO	15	datalogger sampling interval	0 240 min
	Ν.	PAR.	DEF.	MODBUS	MIN MAX.
	67	LA	247	MODBUS address	1 247
Id	68	Lb	3	MODBUS baud rate	0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud
					even
9 ALARMS					
-					

COD.	DESCRIPTION	RESET	TO CORRECT
Pr1	regulation probe alarm	automatic	- check PO
			<ul> <li>check probe integrity</li> </ul>
			<ul> <li>check electrical connection</li> </ul>
AL1	temperature 1 alarm	automatic	check A1, A2 and A3
AL2	temperature 2 alarm	automatic	check A4, A5 and A6
iA	multi-purpose input alarm	automatic	check i5 and i6
iA1	regulator 1 protection alarm	automatic	check i5 and i6
iA2	regulator 2 protection alarm	automatic	check i5 and i6
tu0	auto-tuning alarm failed	manual	touch a key
tu1	auto-tuning timeout alarm	manual	- touch a key
			- check r21
	Pr1 AL1 AL2 iA iA1 iA2 tu0	Pr1     regulation probe alarm       AL1     temperature 1 alarm       AL2     temperature 2 alarm       iA     multi-purpose input alarm       iA1     regulator 1 protection alarm       iA2     regulator 2 protection alarm       iA2     auto-tuning alarm failed	Pr1       regulation probe alarm       automatic         AL1       temperature 1 alarm       automatic         AL2       temperature 2 alarm       automatic         iA       multi-purpose input alarm       automatic         iA1       regulator 1 protection alarm       automatic         iA2       regulator 2 protection alarm       automatic         iA2       regulator 2 protection alarm       automatic

### 10 TECHNICAL SPECIFICATIONS

Image: Delay of a standard of base of the fuel (in rel 100) in relative matched in the fuel (in relative matc	Function controller Built-in electronic device Black, self-extinguishing
1         2 <th2< th=""> <th2< th=""> <th2< th=""> <th2< th=""></th2<></th2<></th2<></th2<>	Black, self-extinguishing
I         I	D
All         Construction	75.0 x 33.0 x 74.0 mm (2 15/16 x 1 5/16 2 15/16 in) with plug-in screw terminal block
1         1         1000000000000000000000000000000000000	To be fitted to a panel, snap-in bracke
$ \frac{1}{2}  1$	provided IP65 (front)
Image: constraint of the second constraint of t	
Image: Image: Section Control Sectin Control Section Control Section Control Section C	erminal blocks Pico-Blade connector
3.	
1         1         1         1         1         1         2         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0	s
1       Section       2       2       2       2       2       2       2       2       2       1       3 $\frac{1}{1000}$ comparison and models         3 $\frac{1}{1000}$ comparison and models         3 $\frac{1}{1000}$ comparison and models $\frac{1}{10000}$ c	Analogue inputs: 10 m (32.8 ft)
P         Linking         Image         I	Analogue outputs 0-10 V: 10 m (32.8 ft) Digital outputs: 10 m (32.8 ft)
1 = 1  soft  1  sof	From -5 to 55 °C (from 23 to 131 °F)
Image: manual sector is a sect	From -25 to 70 °C (from -13 to 158 °F) Relative humidity without condensate from 7
Image: Interpretation from the first product of the scale of the s	to 90%
1         2 etc *:         Take in the SHT kay for 4k, the depay off loop in Lable PDX.         Ref. 501 (Add. *:         Ref. 501 (Add. *::         Ref. 501 (Add. *:::         Ref. 501 (Add. *:::         Ref. 501 (Add. *:::         Ref. 501 (Add. *:::         Ref. 501 (Add. *::::         Ref. 501 (Add. *:::::::         Ref. 501 (Add. *:::::::::::::::::::::::::::::::::::	-
	EU REACH (EC) Regulation 1907/2006
1         1	LVD 2014/35/EU
3         1         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0	Hz) may 5 VA in EV2 M0
Image: Point of the set of the s	
1         1	None
5.         Image: Provide the UP and DWA lawy law	2.5 KV in EV3 M9; 330 V in EV3 M3 II in EV3 M9; I in EV3 M3
A         A BGT         Teach the SPI tory.           2.         Find_A         B         A GGT         Teach the UP or DOWN key within 15s to bet the value.           3.         A GGT         Teach the UP or DOWN key within 15s to bet the value.         Teach the UP or DOWN key within 15s to bet the value.         Teach the UP or DOWN key within 15s to bet the value.         Teach the SFI key for these machine for 160, to antit the value.         Teach the SFI key for these machine for 400, to antit the value.         Teach the SFI key for the content for 400, to antit the value.         Teach the SFI key for the content for 400, to antit the value.         Teach the SFI key for 45. (to the ne action of 000/00000000000000000000000000000000	
No.         OP NOTICE STREP	1 for PTC, NTC, Pt 100, Pt 1000 or Ni 12 probes, J or K thermocouples, 0-20 mA, 4-2
$\sqrt{1}$ $1$	mA, 0-10 V or 2-10 V transducers (regulation probe)
8	from -50 to 150 °C (from -58 to 302 °F)
9.       Image: Im	0.1 °C (1 °F) from -40 to 110 °C (from -58 to 230 °F)
No.N	0.1 °C (1 °F)
1.2. Restoring factory settings (default) and saving customised settings       1	from -100 to 650 °C (from -148 to 999 °F) 0.1 °C (1 °F)
Na.B.         Description         Description <thdescription< th=""> <thd< td=""><td>from -80 to 300 °C (from -112 to 999 °F)</td></thd<></thdescription<>	from -80 to 300 °C (from -112 to 999 °F)
<ul> <li> <ul> <li>Check that the functory settings are appropriate: see the section CONFIGURATION</li> <li> <ul> <li>a Sect</li> <li>b a sect</li> <li>b a sect</li> <li>b a sect</li> <li>a sect</li> <li>b a sect</li> <li>a sect</li> <li>b a sect</li> <li>b a sect</li> <li>a sect</li> <li>b a sect</li> <li>b a sect</li> <li>b a sect</li> <li>a sect</li> <li>b a sect</li> <li>c a sect</li> <li< td=""><td>0.1 °C (1 °F) from 0 to 700 °C (from 32 to 999 °F)</td></li<></ul></li></ul></li></ul>	0.1 °C (1 °F) from 0 to 700 °C (from 32 to 999 °F)
Image cutomised settings overwrites the factory settings.Image cutomised settings overwrites the factory settings.Image cutomised settings overwrites the factory settings.Image cutomised settings overwrites the factory setting setting in the setting in the SET key for 4s: the diplay will show the label 'PA'.Image cutomised settings overwrites the factory information (infinitud cutomised setting).Image cutomised setting in the setting infinitud cutomised setting.Image cutomised setting infinitud cutomised setting.Image cutomised setting.	1 °C (1 °F)
1.       1.       2.       5.       1. <td< td=""><td>from 0 to 999 °C (from 32 to 999 °F) 1 °C (1 °F)</td></td<>	from 0 to 999 °C (from 32 to 999 °F) 1 °C (1 °F)
1 <ul> <li></li></ul>	can be configured
2. <b>a</b> SET <b>1</b> Touch the SET key. <b>1</b> Touch the SET key. <b>1</b> Touch the SET key. <b>1</b> Set 1	(multi-purpose), not available if the analogu
3.       Image: W       Touch the UP or DOWN key within 15s to set the value.       VAL       DESCRIPTION       Touch the UP or DOWN key within 15s to set the value.       VAL       DESCRIPTION       0240'S       All or set the value for setting the factory information (defult).       Touch the UP or DOWN key within 15s to set the value.       Visite for setting the factory information (defult).       Touch the SET key (or take no action for 15s): the display will be for setting the "14" value) or the label "def" (for setting the "14" value)       N       PAR.       DEF       All or the VP or DOWN key within 15s to set "4".       A       O       temperature 1 alarm threshold       199999 "C/F       Signal       Minimum metative to SP       All relaxing to "14".       All or the VP or DOWN key within 15s to set "4".       A       O       temperature 1 alarm delay       O	red for Pt 100, Pt 1000 or NI 120 3 wires
ValueValueDESCRIPTION149Value for restoring the factory information (default) $149$ $2$ activity during 0 $0$ off 1 = 0149Value for restoring the factory information (default) $140$ $190$ $99^{-0}$ C/F161value for saving customiked settings $190$ $99^{-0}$ C/F $190$ $99^{-0}$ C/F $4$ $1 = 355$ $1 = 355$ $1 = 355$ $1 = 355$ $1 = 355$ $1 = 355$ $1 = 355$ $5$ $2 = 5ET$ Touch the SET key $1 = 148^{-0}$ Value) or the label $48^{-0}$ $2 = 0$ temperature 1 alarm type $0 = disabled$ $5$ $2 = 5ET$ Touch the SET key $1 = 355$ $1 = 355$ $1 = 90^{-0}$ $199^{-0}$ $199^{-0}$ $199^{-0}$ $190^{-0}$ $190^{-0}$ $7$ $1 = 5ET$ Touch the SET key (or take no action for 15s): the display will show "	3.3 V, 1 mA
Instrumental status       Million and status       Million	PWM signal.
A.       I a SET       Touch the Str key (or take no action for 15s): the display will show the label "dEF" (for setting the "149" value) or the label       A       I a SET       Touch the ST key (or take no action for 15s): the display will what (for setting the "149" value) or the label       A       I a SET       Touch the ST key.       I a SET       Touch the ST key (or take no action for 15s): the display will the procedure.       A       I a SET       Touch the ST key (or take no action for 15s): the display will procedure.       A       O       temperature 1 alarm type       0 = disabled       Signal	e models with power supply 12-24 VAC/DC on hey are powered at 24 VAC/DC hey are powereed at 24 VAC/DC hey are
4.       A SET       show the label -dEF* (for setting the *149* value) or the label *MAP* (for setting the *149* value) or the label *MAP* (for setting the *149* value) or the label *MAP* (for setting the *149* value) or the label *MAP* (for setting the *149* value) or the label *MAP* (for setting the *149* value) or the label *MAP* (for setting the *149* value) or the label *MAP* (for setting the *149* value) or the label *MAP* (for setting the *149* value) or the label *MAP* (for setting the *149* value) or the label *MAP* (for setting the *149* value) or the label *MAP* (for setting the *149* value) or the label *MAP* (for setting the *149* value) or the label *149* value) or the label *149* value) or the label *MAP* (for setting the *149* value) or the label *149* value) or the label *149* value) or the label *149* value or the *149* value or the *149* value) or the label *149* value or the *149* value or the label *149* value or the *149* value or the label *149* value or the *140* value or the *140* value or the *140* value or the *140* value	1 KOhm
S.       I a SET       Touch the SET Key.       3 = minimum relative to SP 4 = maximum relative to SP 5 A4 0.0 temperature 2 alarm type       0 = disabled 1 = absolute minimum 3 = minimum relative to SP 4 = maximum relative to SP 5 A4 0.0 temperature 2 alarm type       0 = disabled 1 = absolute minimum 3 = minimum relative to SP 4 = maximum relative to SP 4 = maximum relative to SP 4 = maximum relative to SP 5 A7 0 temperature alarm delay 0 999 min       Communications ports         M       N PAR. DEF.       SETPOINT       MIN MAX. Intervalue for available if up = 0, 3 or 4 Intervalue for available if up = 0, 3 or 4       0 additional alarm switch off 1 99 °C/F       0 = with alarm not active 1 = with alarm not active 1 = mith alarm not active       0 = motor         N       PAR. DEF.       ANLOGUE INPUTS       MIN MAX. Intervalue for alarm switch off       0 = notice alarm switch off       1 99 °C/F       1 = nable alarm buzzer       0 = notice         St       A9       0 = PEC       DEF       DEF       DEF	0.01 V nechanical relay (K1 and K2 relay)
Image: A construction of the UP or DOWN key within 15s to set "4".       Image: A construction of the UP or DOWN key within 15s to set "4".       Image: A construction of the UP or DOWN key within 15s to set "4".       Image: A construction of the UP or DOWN key within 15s to set "4".       Image: A construction of the UP or DOWN key within 15s to set "4".       Image: A construction of the UP or DOWN key within 15s to set "4".       Image: A construction of the UP or DOWN key within 15s to set "4".       Image: A construction of the UP or DOWN key within 15s to set "4".       Image: A construction of the UP or DOWN key within 15s to set "4".       Image: A construction of the UP or DOWN key within 15s to set "4".       Image: A construction of the UP or DOWN key within 15s to set "4".       Image: A construction of the UP or DOWN key within 15s to set "4".       Image: A construction of the UP or DOWN key within 15s to set "4".       Image: A construction of the UP or DOWN key within 15s to set "4".       Image: A construction of the UP or DOWN key within 15s to set "4".       Image: A construction of the UP or DOWN key within 15s to set "4".       Image: A construction of the UP or DOWN key within 15s to set "4".       Image: A construction of the UP or DOWN key within 15s to set "4".       Image: A construction of the UP or DOWN key within 15s to set "4".       Image: A construction of the UP or DOWN key within 15s to set "4".       Image: A construction of the UP or DOWN key within 15s to set "4".       Image: A construction of the UP or DOWN key within 15s to set "4".       Image: A construction of the UP or DOWN key within 15s to set "4".       Image: A construction of the UP or DOWN key within 15s to set "4".       Image: A construction of the UP or DOWN key wit	SPST, 16 A res. @ 250 VAC
6.       Touch the UP or DOWN key within 15s to set "4".         7.       I a SET I       Touch the SET key (or take no action for 15s): the display will show "" flashing for 4s, after which the device will exit the procedure.       51       A4       0.0       temperature 2 alarm threshold       -199 199 "C/"F         8.       Disconnect the device from the power supply.       0       = disabled       1       = absolute minimum       2       = absolute minimum       2       = absolute minimum       3       = alsolute maximum       3       = alsolute minimum       3       = alsolute maximum       = alsolute maximum       = alsolute maximum       = alsolute maximum       = alsolute maxi	SPDT, 8 A res. @ 250 VAC Type 1
7.       I a SET       I bloch the SET key (of take the action for TSS): the display will show ** if dishing for 4s, after which the device will exit the procedure.       51       A S       0       temperature 2 alarm type       0       a subout minimum 2 = absolute minimum 2 = a	C
N       Normalization       <	LED display, 3 digit, with function icons
9.       Touch the SET key for 2s before action 6 to exit the procedure beforehand.       4 = maximum relative to SP2         8.       CONFIGURATION PARAMETERS       52       A6       0       temperature 2 alarm delay       0 999 min         M       PAR.       DEF.       SETPOINT       MIN MAX.       53       A7       0       temperature 2 alarm delay after modifying setpoint and power-on persists         N       PAR.       DEF.       ANLOGUE INPUTS       MIN MAX.         3       CA1       0.0       regulation probe offset       -25 25 °C/°F         4       PO       2       type of probe       0 = PTC       1 = NTC	Built-in
9.       I SET       beforehand.         8       CONFIGURATION PARAMETERS         N.       PAR.       DEF.       SETPOINT       MIN MAX.         1       SP       0.0       setpoint       r1 r2       r2       S4       A8       O       additional alarm signal delay after modifying setpoint and power-on       O 999 min         2       SP       0.0       setpoint       r1 r2       r2       S4       A8       O       additional alarm signal delay after silencing if the condition persists       O 999 min         N.       PAR.       DEF.       ANLOGUE INPUTS       MIN MAX.       S5       A9       O       alarm output logic       O = with alarm active 1 = with alarm not active         3       CA1       0.0       regulation probe offset       -25 25 °C/°F       A13       1       enable alarm buzzer       O = no       1 = yes         4       P0       2       type of probe       O = PTC       1 = NTC       N       PAR       DEI = NIC	1 TTL MODBUS slave port for programmir key, for EVlink Wi-Fi module (syste
8       CONFIGURATION PARAMETERS         N.       PAR.       DEF.       SETPOINT       MIN MAX.         1       SP       0.0       setpoint       r1 r2         2       SP2       0.0       setpoint 2       r7 r8         not available if u0 = 0, 3 or 4       55       A9       0       alarm output logic       0 = with alarm active         3       CA1       0.0       regulation probe offset       -25 25 °C/°F       56       A11       2.0       temperature alarm switch off       1 99 °C/°F         4       P0       2       type of probe       0 = PTC       1 = NTC       N       PAR       DEI to topoletic of alarm buzzer       0 = no       1 = yes	EPoCA), for EVlink BLE module (ap EVconnect) or for serial interface (BMS)
N.       PAR.       DEF.       SETPOINT       MIN MAX.         1       SP       0.0       setpoint       r1r2         2       SP2       0.0       setpoint 2       r7r8         not available if u0 = 0, 3 or 4       NIN MAX.         3       CA1       0.0       regulation probe offset         -2525 °C/°F       -2525 °C/°F         4       P0       2       type of probe       0 = PTC       1 = NTC	L + CONTRECT/ OF TOF SENAL INTERIACE (BMS)
NPAR.DEF.ANALOGUE INPUTSMIN MAX.3CA10.0regulation probe offset $-2525 \text{ °C/°F}$ 4PO2type of probe0 = PTC1 = NTC	
N       PAR.       DEF.       ANALOGUE INPUTS       MIN MAX.         3       CA1       0.0       regulation probe offset       -25 25 °C/°F         4       P0       2       type of probe       0 = PTC       1 = NTC	
N.       PAR.       DEF.       ANALOGUE INPUTS       MIN MAX.         3       CA1       0.0       regulation probe offset       -25 25 °C/°F         4       PO       2       type of probe       0 = PTC       1 = NTC	
3     CA1     0.0     regulation probe offset     -2525 °C/°F       4     P0     2     type of probe     0 = PTC     1 = NTC	
4 PO 2 type of probe 0 = PTC 1 = NTC N PAP DEE DICITAL INDUITS MIN MAX	
2 = J 3 = K	
4 = Pt 100 3 wires58i50multi-purpose input function0 = disabled	
5 = Pt 100 2 wires         1 = alarm iA           6 = Pt 1000 3 wires         2 = alarm iA + regulator 1	
7         = Pt 1000 2 wires         off + regulator 2 off           8         = 4-20 mA         9         = 0-20 mA           3         = alarm iA1 + regulator 1	
10= 2-10 V 11= 0-10 V	
13= Ni 120 2 wires off The device must be disposed of accordin	ng to local regulations governing the collection
5       P1       0       enable decimal point °C       0 = no       1 = yes         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: 59 i6 0 multi-purpose input activation 0 = with contact closed protected by the italian intellectual property kights	
1     tens digit       60     i7     0       multi-purpose input alarm delay     0 999 s       device.	ssumes all responsibility for the configuration of
6 P2 0 measurement unit 0 = °C 1 = °F $N$ . PAR. DEF. SECURITY MIN MAX. EVCO accepts no liability for any possible errors in	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	I tunctional and safety features of the equipmen
options 2 4 effective only on 63 PA1 426 1 <sup>st</sup> level password -99 999 EVCO S.p.A.	
	6 Sedico (BL) ITALY 22   <b>fax</b> 0437 83648
7       P3       0.0       minimum transducer calibration value       -199 999 points       Image: Comparison of the point of the poin	