Universal controllers with two regulation outputs for industrial applications







power supply 115... 230 VAC or 12-24 VAC/DC (according to the model) multi-sensor input (PTC/NTC/J/K/Pt 100/Pt 1000/Ni 120/0-20 mA/4-20 mA/0-10 V/

multi-purpose input

analogue output 0-10V/PWM K1 relay 16 A res. @ 250 VAC

alarm buzzer

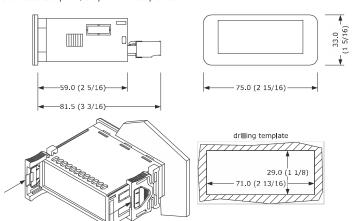
TTL MODBUS slave port for programming key, for EVlink Wi-Fi module (system EPoCA) for EVlink BLE module (app EVconnect) or for TTL/RS-485 (BMS) serial interface

- on-off/PID control
- PID control with auto-tuning
- hot or cold mode regulation neutral zone regulation

MEASUREMENTS AND INSTALLATION

Measurements in mm (in); 59.0 (2 5/16) depth with fixed screw terminal blocks, 81,5 (3 3/16) depth with plug-in screw terminal blocks.

To be fitted to a panel, snap-in brackets provided

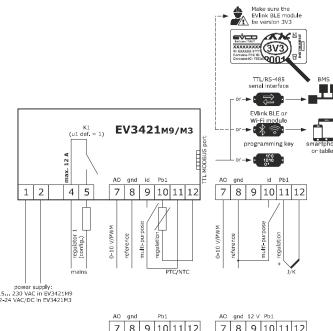


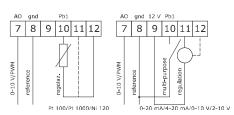
INSTALLATION PRECAUTIONS

- the thickness of the panel must be between 0.8 and 2.0 mm (1/32 and 1/16 in); ensure that the working conditions are within the limits stated in the $\it TECHNICAL$ SPECIFICATIONS section:
- do not install the device close to heat sources, equipment with a strong magnetic field, in places subject to direct sunlight, rain, damp, excessive dust, mechanical vibrations or shocks;
- in compliance with safety regulations, the device must be installed properly to ensure adequate protection from contact with electrical parts. All protective parts must be fixed in such a way as to need the aid of a tool to remove them.

2 ELECTRICAL CONNECTION

- use cables of an adequate section for the current running through them. ensure that the thermocouple is properly insulated from contact with metal parts or use already insulated thermocouples.
- if necessary, extend the thermocouple cable using a compensating cable in the models with power supply 12-24 VAC/DC, the analog output is available on $\,$ condition that the device is powered at 24 VAC/DC.
- to reduce any electromagnetic interference locate the power cables as far away as possible from the signal cables



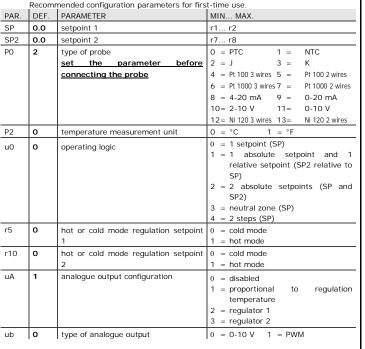


PRECAUTIONS FOR ELECTRICAL CONNECTION

- if using an electrical or pneumatic screwdriver, adjust the tightening torque;
- if the device has been moved from a cold to a warm place, humidity may have caused condensation to form inside. Wait about an hour before switching on the power make sure that the supply voltage, electrical frequency and power are within the set 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

3 FIRST-TIME USE

- Install following the instructions given in the section MEASUREMENTS AND INSTALLATION.
- Power up the device as set out in the section ELECTRICAL CONNECTION: an internal 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



Then check that the remaining settings are appropriate; see the section CONFIGURATION PARAMETERS.

- Disconnect the device from the mains
- Make the electrical connection as shown in the section ELECTRICAL CONNECTION without powering up the device.
- When connecting to an RS-485 network, connect the EVIF22TSX interface. To use the device with the EPoCA remote monitoring system, connect the EVIF25TWX module. To use the device with the Evconnect app, connect the EVIF25TBX module; see the relative instruction sheets. If using EVIF22TSX, set the bLe parameter to 0.
- Power up the device

USER INTERFACE AND MAIN FUNCTIONS temperature unit on/stand-by of measur -**OUT** 1 ∘⊏ regulator 1 ** ۰F % ധ alarm ◄ Δ Bar pressure unit of measurem **⊇** SET FNC \ SET. ON/STAND-BY. DOWN. keypad lock additiona**l** escape functions

Switching the device on/off

If POF = 1 (default), touch the ON/STAND-BY key for 4s.

If the device is switched on, the display will show the P5 value ("regulation temperature

delault);	ii trie dispiay sriows ari a	naim code, see the section	III ALAKIVIS.
LED	ON	OFF	FLASHING
OUT1	regulator 1 active	-	regulator 1 protection activesetpoint 1 being set
*	unused	-	-
OUT2	regulator 2 active	-	regulator 2 protection active setpoint 2 being set
\triangle	alarm active	-	-
<u>~</u>	analogue output active	-	auto-tuning active
Э	device switched off	device switched on	device being switched on/off
°C/°F	temperature display	-	-
%	percentage display	-	-
Bar	pressure display	-	-

When 30s have elapsed without the keys being pressed, the display will show the "Loc" label and the keypad will lock automatically

Unlocking the keypad

Touch a key for 1s: the display will show the label "UnL"

4.3.1 Setting the setpoint (if u0 = 0, 3 or 4)

Check that the keypad is not locked.

1.	≙SET	Touch the SET key: the display will show the label "SP".
2.	₹ FNC ↓	Touch the UP or DOWN key within 15s to set the value within the limits r1 and r2 (default "0 350").
3.	_ aset	Touch the SET key (or take no action for 15s).

4.3.2 Setting setpoint 1 and setpoint 2 (if u0 = 1 or 2) Check that the keypad is not locked.

1.	≙ SET	Touch the SET key: the display will show the label "SP".
2.	₹ FNL ✓	Touch the UP or DOWN key within 15s to set the setpoint 1 value within the limits r1 and r2 (default "0 350").
3.	1 aset	Touch the SET key: the display will show the label "SP2".
4.	f FNC \$	Touch the UP or DOWN key within 15s to set the setpoint 2 value within the limits r7 and r8 (default "0 350").
5.	à SET	Touch the SET key (or take no action for 15s).

4.4 PID control activation with auto-tuning (if r20 = 1, default) Check that the keypad is not locked.

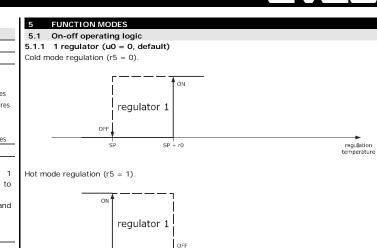
-> / I

	1.	FNC 🗸	Touch the DOWN key for 4s.
	2.	√ A	Touch the UP or DOWN key within 15s to select the label "tun".
,	3.	≙ SET	Touch the SET key.
	4.	f FNL A	Touch the UP or DOWN key within 15s to set "1".
	5.	≙ SET	Touch the SET key.
	6.	I O I	Touch the ON/STAND-BY key (or take no action for 60s) to exit the procedure.

Silencing the buzzer (if A13 = 1)

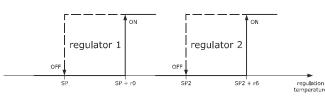
Touch a key.

If u1, u2 or u3 = 3, the alarm output is deactivated.

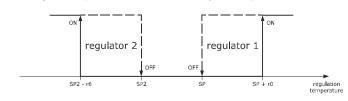


5.1.2 2 regulators with 2 independent setpoints (u0 = 2); second setpoint relative to

Cold mode regulation setpoint 1 (r5 = 0) and cold mode regulation setpoint 2 (r10 = 0)



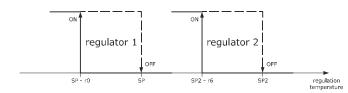
Cold mode regulation setpoint 1 (r5 = 0) and hot mode regulation setpoint 2 (r10 = 1).



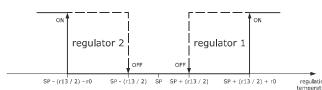
Hot mode regulation setpoint 1 (r5 = 1) and cold mode regulation setpoint 2 (r10 = 0)



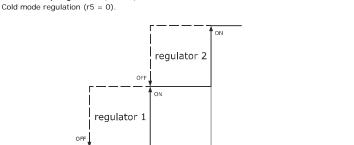
Hot mode regulation setpoint 1 (r5 = 1) and hot mode regulation setpoint 2 (r10 = 1)



5.1.3 Neutral zone regulation (u0 = 3)

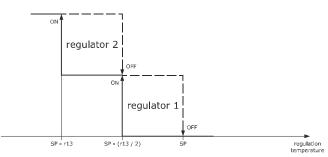


5.1.4 2 step regulation (u0 = 4)



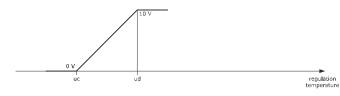
SP + (r13 / 2)

Hot mode regulation (r5 = 1).

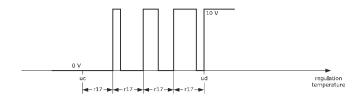


5.2 Operation with analogue output proportional to the regulation temperature (ua = 1, default)

Analogue output 0-10 V (ub = 0, default)



Analogue output PWM (ub = 1)



EVCO S	.p.A.	EV3421	M Inst	ruction sheet ver. 1.0 Code 1043421N	ME103 Page 2 of 2 PT 46/17												
6 6.1	ADDI Displ	ITIONA laying/	L FUN	CTIONS g the value delivered by the anal			8	P4	100	maximum transducer calibration value	-199 999 points		PAR.		DBUS DBUS addi	ress	MIN MAX. 1 247
Check 1	l .	he keypa FNC √		t locked. Touch the DOWN key for 4s.			9	P5	0	value displayed	0 = regulation temperature 1 = setpoint 1	Id 6	7 Lb	3 MO	DBUS bau	d rate	0 = 2,400 baud 1 = 4,800 baud
2.	√	FNL	<u>.</u>	Touch the UP or DOWN key within	15s to select a label.	-	10 N.	P8 PAR.	DEF.	display refresh time DIGITAL OUTPUTS	0 250 s : 10 MIN MAX.						2 = 9,600 baud 3 = 19,200 baud even
	LAB.	_	CRIPTI laying t	ON the value delivered by the analogue	output		11	u0	0	operating logic	0 = 1 regulator 1 = 2 regulators with second setpoint relative to the	9 AL	ARMS	1 1			10.00
	uM		lifying t	he value delivered by the analogue	output						first 2 = 2 regulators with 2		ESCRIPTI	ION	RES	SET	TO CORRECT
3.	<u> </u>	SET A	<u> </u>	Touch the SET key. Touch the UP or DOWN key to set	the value (to select uM)						independent setpoints 3 = neutral zone regulation	Pr1 re	egulation	probe alarm	aut	tomatic	- check P0 - check probe integrity
5.		FNC V	<u> </u>	Touch the SET key.	The value (to select all).		12	u1	1	K1 output configuration	4 = 2-step regulation 0 = disabled			re 1 alarm	aut	tomatic	- check electrical connection check A1, A2 and A3
6.	<u> </u>	(l)	<u> </u>	Touch the ON/STAND-BY key (or the procedure.	take no action for 60s) to exit	×					1 = regulator 1 2 = regulator 2 3 = alarm	iA m	nulti-purpo	re 2 alarm ose input ala	m aut	tomatic tomatic	check A4, A5 and A6 check i5 and i6
6.2	Disp		the nu	mber of start-ups of the relays			13	uA	1	analogue output configuration	0 = disabled 1 = proportional to	iA2 re	egulator 2	protection a	larm aut	tomatic	check i5 and i6 check i5 and i6
	that th		ad is no	ot locked. Touch the DOWN key for 4s.							regulation temperature 2 = regulator 1	1		g alarm failed g timeout ala		nual	touch a key - touch a key - check r21
2.		FNL		Touch the UP or DOWN key within	15s to select a label.		14	ub	0	type of analogue output	3 = regulator 2 0 = 0-10 V 1 = PWM	10 TE	CHNICAL	L SPECIFICA	ATIONS		GREEKTZT
	LAB.	. DES	CRIPTI	ON			15	uc	0.0	regulation temperature for minimum analogue output value	-199 ud °C/°F/points	Purpose o	of the con	ntrol device		Func	ction controller
3.	nS1	SET	ī	he number of start-ups of the K1 re Touch the SET key.	eay in thousands		16 N.	ud PAR.	100 DEF.	regulation temperature for maximum analogue output value REGULATION	uc 199 °C/°F/points	Container	r	e control dev		Black	-in electronic device k, self-extinguishing
4.	Ī	(1)	<u> </u>	Touch the ON/STAND-BY key (or the procedure.	take no action for 60s) to exit		17	rA	0 0	PID control configuration	0 = disabled 1 = regulator 1	Measuren	ments	and fire resist		D	
6.3	Displ	laying	the ten	nperature detected by the regula	ation probe						2 = regulator 2 Effective only if u0 = 1 or 2	2 5/16 in) with fixe	0 mm (2 15/ ed screw terr	ninal block	s 3 3/1	x 33.0 x 81.5 mm (2 15/16 x 1 5/16 x 16 in) with plug-in screw terminal blocks
Check 1	١.	he keypa FNC √	ad is no	ot locked. Touch the DOWN key for 4s.			18	r0	2.0	setpoint 1 differential	1 99 °C/°F if u0 = 3, cold mode			for the contract		provi	pe fitted to a panel, snap-in brackets ided (front)
2.		FNC	<u> </u>	Touch the UP or DOWN key within	15s to select a label.		19	r1	0.0	minimum setpoint 1	regulation differential -199 °C/°F r2	covering Connectic			ucu by	1103	(Horn)
	LAB.	. DES	CRIPTI	I ON temperature			20	r2 r5	350 0	maximum setpoint 1 hot or cold mode regulation		Fixed scr for wires			-	crew terminup to 2.5	nal blocks Pico-Blade connector mm² (on
3.	١	SET		Touch the SET key.			22	r6	2.0	regulator 1 setpoint 2 differential	1 = hot mode 1 99 °C/°F	-		ed length for	request) connection		
4.	I	(1)		Touch the ON/STAND-BY key (or the procedure.	take no action for 60s) to exit		23	r7	0.0	minimum setpoint 2	if u0 = 3, hot mode regulation differential -199 °C/°F r8	- Digital inp	puts: 10 r	m (32.8 ft) m (32.8 ft)		Analo	ogue inputs: 10 m (32.8 ft) ogue outputs 0-10 V: 10 m (32.8 ft)
		INGS					24 25	r8 r9	350	maximum setpoint 2 block setpoint 2 adjustment	r7 999 °C/°F 0 = no 1 = yes	- Operating	g tempera		.28 ft)	From	al outputs: 10 m (32.8 ft) n -5 to 55 °C (from 23 to 131 °F)
7.1			figurat	ion parameters	1	*	26	r10	0	hot or cold mode regulation regulator 2	0 = cold mode 1 = hot mode	Operating					n -25 to 70 °C (from -13 to 158 °F) tive humidity without condensate from 10
Ö		nging p		er P2 from °C to °F (and vice vunit of measurement is °C or °F to			27	r11	0.0	digital input second setpoint 1	-199 999 °C/°F setpoint 1 + r11	Pollution :		the control d	evice	2	378
	l.			1	, , , , , , , , , , , , , , , , , , ,		28	r12	0.0	digital input second setpoint 2	-199 999 °C/°F setpoint 2 + r12	RoHS 201			WEEE 201	12/19/EU	REACH (EC) Regulation 1907/2006
1.	 	SET	<u> </u>	Touch the SET key for 4s: the disp	play will show the label "PA".		29		5.0	neutral zone value	1 999 °C/°F if u0 = 4, two steps	EMC 2014 Power sup		<u>'</u>		LVD	2014/35/EU
2.			<u>'</u>	Touch the SET key. Touch the UP or DOWN key with	thin 15s to set the PAS value		30	r15	60	proportional band integral action time	1 999 °C/°F 0 999 s		•				max. 5 VA in EV3 M9 ax. 5 VA/3W in EV3 M3
4.	١	FNC V		(default "-19"). Touch the SET key (or take no a	action for 15s): the display will		32	r16 r17	30 180	PID regulator cycle time on PWM relay or analogue output	0 999 s 1 999 s			for the contro hstand voltac		2.5 k	e KV in EV3 M9; 330 V in EV3 M3
5.	<u> </u>	FNL		show the label "SP". Touch the UP or DOWN key to sele	ect a parameter.		34	r18	0	PID regulator minimum time on on PWM relay or analogue output	0 240 s		class and	gory d structure		II in	EV3 M9; I in EV3 M3
6.	I	SET		Touch the SET key.			35	r19	0	PID regulator minimum time off on PWM relay or analogue output	0 240 s	Analogue	inputs			prob	r PTC, NTC, Pt 100, Pt 1000 or Ni 120 es, J or K thermocouples, 0-20 mA, 4-20
7	-		. وا	Touch the UP or DOWN key within	15s to set the value.		36	r20	1	enable PID control with auto- tuning	0 = no 1 = yes	PTC probe	114-			mA, prob	0-10 V or 2-10 V transducers (regulation e)
7.	1 7 6	-N- V					37									from	EO to 1EO °C (from EO to 202 °E)
8.	<u> </u>	SET		Touch the SET key (or take no act	tion for 15s).	-	N.	PAR.	DEF.	auto-tuning maximum duration REGULATOR PROTECTION	2 240 min MIN MAX.	-	Re	easurement fi esolution: easurement fi		0.1 °	°C (1 °F) 1-40 to 110 °C (from -58 to 302 °F)
8.	-		1	Touch the SET key (or take no act Touch the SET key for 4s (or tak procedure.			N. 38	PAR. C1	DEF.	REGULATOR PROTECTION minimum time between two power-ons of regulator 1	MIN MAX. 0 240 min	NTC probe	Re Me Re		eld:	0.1 ° from 0.1 °	
8. 9.	=	SET SET		Touch the SET key for 4s (or tak	e no action for 60s) to exit the		N. 38	PAR. C1 C2	O O	REGULATOR PROTECTION minimum time between two power-ons of regulator 1 minimum time off and delay from power-on of regulator 1	MIN MAX. 0 240 min 0 240 min	NTC probe	Re Me Re nd Pt Me Re	esolution: easurement fi esolution:	eld: eld:	0.1 ° from 0.1 ° from 0.1 °	C (1 °F) 1-40 to 110 °C (from -58 to 230 °F) CC (1 °F)
	Resto	SET SET	actory	Touch the SET key for 4s (or tak procedure. settings (default) and saving cu	e no action for 60s) to exit the		N. 38	PAR. C1	DEF.	REGULATOR PROTECTION minimum time between two power-ons of regulator 1 minimum time off and delay from	MIN MAX. 0 240 min 0 240 min 0 240 s	NTC probe	Re Me Re Me Re Re Obes Re Re	esolution: easurement fi esolution: easurement fi esolution:	eld:	0.1 ° from 0.1 ° from 0.1 ° from 0.1 °	C (1 °F) 1 -40 to 110 °C (from -58 to 230 °F) C (1 °F) 1 -100 to 650 °C (from -148 to 999 °F) C (1 °F)
8. 9. 7.2	Resto	SET oring fa	actory at the	Touch the SET key for 4s (or tak procedure.	e no action for 60s) to exit the stomised settings		N. 38 39	PAR. C1 C2 C3	O O	REGULATOR PROTECTION 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	MIN MAX. 0 240 min 0 240 min 0 240 s 0 = off 1 = on	Pt 100 an 1000 prob Ni 120 pro J ther couples K ther	Rebes Me Rebes Rebobes Me Remo-Me Rebes Me Rebes	esolution: easurement fi esolution:	eld: eld: eld:	0.1 ° from 1 ° C from from	C (1 °F) 1-40 to 110 °C (from -58 to 230 °F) 1-100 to 650 °C (from -148 to 999 °F) 1-100 to 650 °C (from -112 to 999 °F) 1-20 (1 °F) 1-20 to 300 °C (from 32 to 999 °F) 1-20 to 700 °C (from 32 to 999 °F) 1-20 to 790 °C (from 32 to 999 °F)
	Resto	SET oring fa heck the ARAMET aving cu	actory at the	Touch the SET key for 4s (or tak procedure. settings (default) and saving cut factory settings are appropriate; seed settings overwrites the factory settings overwrites the factory settings.	e no action for 60s) to exit the stomised settings the the section CONFIGURATION ettings.		N. 38 39 40 41 42 43	C2 C3 C4 C5 C6	O O O	REGULATOR PROTECTION 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	MIN MAX. 0 240 min 0 240 s 0 = off 1 = on 0 240 min	Pt 100 an 1000 prob Ni 120 pro J ther couples K ther couples O-20 mA,	Re Re Mees Mees Re	esolution: easurement fi esolution:	eld: eld: eld: eld:	0.1 ° from 0.1 ° from 0.1 ° from 0.1 ° from 1 ° C from 1 ° C	C (1 °F) 1-40 to 110 °C (from -58 to 230 °F) C (1 °F) 1-100 to 650 °C (from -148 to 999 °F) C (1 °F) 1-80 to 300 °C (from -112 to 999 °F) C (1 °F) 1-0 to 700 °C (from 32 to 999 °F) (1 °F)
	Resto	SET oring fa heck th. ARAMET aving cu	actory at the FERS.	Touch the SET key for 4s (or tak procedure. settings (default) and saving cu	e no action for 60s) to exit the stomised settings the the section CONFIGURATION ettings.		N. 38 39 40 41	C1 C2 C3 C4 C5	O O O O	REGULATOR PROTECTION 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 regulator 2 activity during	MIN MAX. 0 240 min 0 240 s 0 = off	Pt 100 an 1000 prob Ni 120 pro J ther couples K ther couples	Rebes Mees Rebes Mees Reposes Mees Reposes Mees Reposes Mees Reposes Reposes Mees Reposes Mees Reposes Mees Reposes Repose	esolution: easurement fi esolution:	eld: eld: eld: eld: 2-10 V 1 dry cor	0.1 ° from 0.1 ° from 0.1 ° from 0.1 ° from 0.1 ° cfrom 1 ° C from 1 ° C can t	C (1 °F) 1-40 to 110 °C (from -58 to 230 °F) C (1 °F) 1-100 to 650 °C (from -148 to 999 °F) C (1 °F) 1-80 to 300 °C (from -112 to 999 °F) C (1 °F) 10 to 700 °C (from 32 to 999 °F) (1 °F) 10 to 999 °C (from 32 to 999 °F) (1 °F)
1.	Resto	SET oring fa heck th. ARAMET aving cu	actory at the FERS. Justomis	Touch the SET key for 4s (or tak procedure. settings (default) and saving cu factory settings are appropriate; se ed settings overwrites the factory settings.	e no action for 60s) to exit the statemised settings the the section CONFIGURATION ettings. Total plant will show the label *PA*.		N. 38 39 40 41 42 43 44 45 N.	PAR. C1 C2 C3 C4 C5 C6 C7 C8 PAR.	DEF. O O O O O O O O O O O O O O O O O O	REGULATOR PROTECTION 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 of and delay from power-on of regulator 2 regulator 2 activity during regulation probe alarm ALARMS	MIN MAX. 0 240 min 0 240 s 0 = off	Pt 100 an 1000 prob Ni 120 pro J ther couples K ther couples O-20 mA, transduce	Re des Mee Re des Re des Re	esolution: easurement fi esolution:	eld: eld: eld: eld: 2-10 V 1 dry cor	0.1 ° from 1 ° C from 1 ° C can b	C (1 °F) 1-40 to 110 °C (from -58 to 230 °F) C (1 °F) 1-100 to 650 °C (from -148 to 999 °F) C (1 °F) 1-80 to 300 °C (from -112 to 999 °F) C (1 °F) 1-0 to 700 °C (from 32 to 999 °F) (1 °F) 1-0 to 799 °C (from 32 to 999 °F) (1 °F) 1-0 to 799 °C (from 32 to 999 °F) (1 °F) 1-0 to 999 °C (from 32 to 999 °F) (1 °F) 1-0 to 999 °C (from 32 to 999 °F) (1 °F) 1-0 to 999 °C (from 32 to 999 °F) (1 °F) 1-0 to 999 °C (from 32 to 999 °F) (1 °F) 1-0 to 999 °C (from 32 to 999 °F)
1.	Resto	SET oring fa heck th ARAMET aving co	actory at the resolution is the second secon	Touch the SET key for 4s (or tak procedure. settings (default) and saving cut factory settings are appropriate; seed settings overwrites the factory settings	e no action for 60s) to exit the statement of the section statement of the section configuration ettings. In 15s to set the value.		N. 38 39 40 41 42 43 44 45	C2 C3 C4 C5 C6 C7 C8	O O O O O O	REGULATOR PROTECTION 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 regulator 2 activity during regulation probe alarm	MIN MAX. 0 240 min 0 240 s 0 = off	Pt 100 an 1000 prob Ni 120 pro J ther couples K ther couples Couples Couples Couples O-20 mA, transduce Digital inp	Re des Me Re des Me Re	esolution: easurement fi esolution: A, 0-10 V and	eld: eld: eld: eld: eld: 2-10 V 1 dry corinput is c Contact t Protection 1 for 0-1 Available	0.1 ° from 0.1 ° from 0.1 ° from 0.1 ° from 1 ° C from 1 ° C can t configured t tytype: in: 0 V or PWM in the mo	C (1 °F) 1-40 to 110 °C (from -58 to 230 °F) 1-40 to 110 °C (from -148 to 999 °F) 1-100 to 650 °C (from -148 to 999 °F) 1-80 to 300 °C (from -112 to 999 °F) 1-80 to 300 °C (from 32 to 999 °F) 1-90 to 790 °C (from 32 to 999 °F) 1-90 to 999 °C (from 990 °C (from 999 °C (from 990 °C
1.	Restor	SET oring fa heck th ARAMET aving cu	at the result of the second of	Touch the SET key for 4s (or tak procedure. settings (default) and saving cut factory settings are appropriate; seed settings overwrites the factory settings. Touch the SET key. Touch the UP or DOWN key within ON settoring the factory information (defaulting customised settings.	e no action for 60s) to exit the statemised settings ee the section CONFIGURATION ettings. play will show the label "PA".		N. 38 39 40 41 42 43 44 45 N. 46	C1 C2 C3 C4 C5 C6 C7 C8 PAR. A1	DEF. 0 0 0 0 0 0 0 DEF. 0.0	REGULATOR PROTECTION 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 regulator 2 activity during regulation probe alarm ALARMS temperature 1 alarm threshold	MIN MAX. 0 240 min 0 240 s 0 = off	Pt 100 an 1000 prob Ni 120 pro J ther couples K ther couples Couples Couples Digital inp Dry conta Analogue Signal	Rebes Me Re Ne	esolution: easurement fi esolution:	eld: eld: eld: eld: eld: 2-10 V 1 dry coninput is c Contact t Protection 1 for 0-1 Available condition	0.1 ° from 0.1 ° from 0.1 ° from 0.1 ° from 1 °C from 1 °C can t toonfigured f type: n: 0 V or PWM in that they nce 1 Ke	C (1 °F) 1-40 to 110 °C (from -58 to 230 °F) 1-40 to 110 °C (from -58 to 230 °F) 1-100 to 650 °C (from -148 to 999 °F) 1-100 to 650 °C (from -112 to 999 °F) 1-80 to 300 °C (from 32 to 999 °F) 1-0 to 700 °C (from 32 to 999 °F) 1-0 to 999 °C (from 32 to 999 °F) 1-0 to 999 °C (from 32 to 999 °F) 1-0 to 999 °C (from 32 to 999 °F) 1-0 to 999 °C (from 32 to 999 °F) 1-0 to 999 °C (from 32 to 999 °F) 1-0 to 999 °C (from 32 to 999 °F) 1-0 to 999 °C (from 32 to 999 °F) 1-0 to 999 °C (from 32 to 999 °F) 1-0 to 999 °C (from 32 to 999 °F) 1-0 to 999 °C (from 32 to 999 °F) 1-0 to 999 °C (from 32 to 999 °F) 1-0 to 999 °C (from 32 to 999 °F) 1-0 to 999 °C (from 32 to 999 °F) 1-0 to 999 °C (from 32 to 999 °F) 1-0 to 700 °C (from 32 to 999 °F) 1-0 to 700 °C (from 32 to 999 °F) 1-0 to 700 °C (from 32 to 999 °F) 1-0 to 700 °C (from 32 to 999 °F) 1-0 to 700 °C (from 32 to 999 °F) 1-0 to 700 °C (from 32 to 999 °F) 1-0 to 700 °C (from 32 to 999 °F) 1-0 to 700 °C (from 32 to 999 °F) 1-0 to 700 °C (from 32 to 999 °F) 1-0 to 700 °C (from 32 to 999 °F) 1-0 to 700 °C (from 32 to 999 °F) 1-0 to 700 °C (from 32 to 999 °F) 1-0 to 700 °C (from 32 to 999 °F) 1-0 to 999 °C (from 32 to 999 °F) 1-0 to 700 °C (from 32 to 999 °F) 1-0 to 700 °C (from 32 to 999 °F) 1-0 to 700 °C (from 32 to 999 °F) 1-0 to 700 °C (from 32 to 999 °F) 1-0 to 700 °C (from 32 to 999 °F) 1-0 to 700 °C (from 32 to 999 °F) 1-0 to 700 °C (from 32 to 999 °F) 1-0 to 700 °C (from 32 to 999 °F) 1-0 to 700 °C (from 32 to 999 °F) 1-0 to 700 °C (from 32 to 999 °F) 1-0 to 700 °C (from 32 to 999 °F) 1-0 to 700 °C (from 32 to 999 °F) 1-0 to 700 °C (from 32 to 999 °F) 1-0 to 700 °C (from 32 to 999 °F) 1-0 to 700 °C (from 32 to 999 °F) 1-0 to 700 °C (from 32 to 999 °F) 1-0 to 999 °C (from 32 to 999 °F) 1-0 to 999 °C (from 32 to 999 °F) 1-0 to 999 °C (from 32 to 999 °F) 1-0 to 999 °C (from 32 to 999 °F) 1-0 to 999 °C (from 32 to 999 °F) 1-0 to 999 °C (from 32 to 999 °F) 1-0 to 999 °C (from 32 to 999 °F) 1-0 to 999 °C (from 32 to 999 °F) 1-0 to 999 °C (from 32 to 999 °F) 1-0 to 990 °C (fro
1.	N.B Cr - PP - Se VAL. 149 161	SET oring fa heck th ARAMET aving cu	actory at the EFRS. Istomis CCRIPTI e for re- e for se	Touch the SET key for 4s (or tak procedure. settings (default) and saving cut factory settings are appropriate; seed settings overwrites the factory settings over the settings over th	e no action for 60s) to exit the istomised settings ee the section CONFIGURATION ettings. olay will show the label "PA". o 15s to set the value. fault) action for 15s): the display will g the "149" value) or the label		N. 38 39 40 41 42 43 44 45 N. 46	C1 C2 C3 C4 C5 C6 C7 C8 PAR. A1	DEF. 0 0 0 0 0 0 0 DEF. 0.0	REGULATOR PROTECTION 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 regulator 2 activity during regulation probe alarm ALARMS temperature 1 alarm threshold	MIN MAX. 0 240 min 0 240 s 0 = off	Pt 100 an 1000 prob Ni 120 pro J ther couples K ther couples O-20 mA, transduce Digital inp Dry conta Analogue Signal O-10 V Digital ou	Re des Me Re des Me Re	esolution: easurement fi esolution: A, 0-10 V and	eld: eld: eld: eld: 2-10 V 1 dry coinput is c Contact t Protectio 1 for 0-1 Available condition ble impedar	0.1 ° from 0.1 ° from 0.1 ° from 0.1 ° from 1 ° C from 1 ° C can t 0.0 from 0.1 ° C can t 0.0 from	C (1 °F) 1-40 to 110 °C (from -58 to 230 °F) 1-100 to 650 °C (from -148 to 999 °F) 1-100 to 650 °C (from -112 to 999 °F) 1-80 to 300 °C (from -112 to 999 °F) 1-80 to 300 °C (from 32 to 999 °F) 1-90 to 700 °C (from 32 to 999 °F) 1-90 to 999 °C (from 999 °C (from 999 °F) 1-90 to 999 °C (from 999 °F) 1-90 to 999 °C (from 999 °F) 1-90 to 999 from 999 °C (from 999 °F) 1-90 to 999 from 990 fro
1.	N.B Cr P/A - Sa VAL. 149 161	heck the ARAMET AVING CL. SET DES Value SET SET	at the FERS. Istomis	Touch the SET key for 4s (or tak procedure. settings (default) and saving cu factory settings are appropriate; se ed settings overwrites the factory se Touch the SET key for 4s: the disp Touch the SET key. Touch the UP or DOWN key within ON estoring the factory information (defaulting customised settings Touch the SET key (or take no a show the label "dEF" (for setting	e no action for 60s) to exit the istomised settings ee the section CONFIGURATION ettings. olay will show the label "PA". o 15s to set the value. fault) action for 15s): the display will g the "149" value) or the label		N. 38 39 40 41 42 43 44 45 N. 46 47	PAR. C1 C2 C3 C4 C5 C6 C7 C8 PAR. A1 A2	DEF. O O O O O O O O O O O O O O O O O O O	REGULATOR PROTECTION 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 regulator 2 activity during regulation probe alarm ALARMS temperature 1 alarm threshold temperature 1 alarm type	MIN MAX. 0 240 min 0 240 s 0 = off	Pt 100 an 1000 prob Ni 120 pro J ther couples K ther couples O-20 mA, transduce Digital inp Dry conta Analogue Signal O-10 V Digital ou K1 relay Type 1 or	Re des Me Re des Me Re des Me Re	esolution: easurement fi esolution: easurement	eld: eld: eld: eld: eld: 2-10 V 1 dry con input is c Contact t Protectio 1 for 0-1 Available condition ble impedar 1 with eld	0.1 ° from 0.1 ° from 0.1 ° from 0.1 ° from 1 ° C from 1 ° C can the f	C (1 °F) 1-40 to 110 °C (from -58 to 230 °F) 1-100 to 650 °C (from -148 to 999 °F) 1-100 to 650 °C (from -148 to 999 °F) 1-80 to 300 °C (from -112 to 999 °F) 1-80 to 300 °C (from 32 to 999 °F) 1-90 to 700 °C (from 32 to 999 °F) 1-90 to 999 °C (from 32 to 999 °F
1. 2. 3.	N.B CP PPP - Sc VAL. 149 1611	heck the ARAMET aving construction of the Service o	actory at the FERS. JISTOMISS CORIPTI For For Ference of For Section 1.	Touch the SET key for 4s (or tak procedure. settings (default) and saving cut factory settings are appropriate; seed settings overwrites the factory settings overwrites the factory settings overwrites the factory setting. Touch the SET key for 4s: the displaying the SET key. Touch the UP or DOWN key within one storing the factory information (defaving customised settings) Touch the SET key (or take no a show the label "dEF" (for setting "MAP" (for setting the "161" value) Touch the SET key. Touch the UP or DOWN key within	te no action for 60s) to exit the statemised settings the the section CONFIGURATION ettings. The statement of the section of		N. 38 39 40 41 42 43 44 45 N. 46 47	PAR. C1 C2 C3 C4 C5 C6 C7 C8 PAR. A1 A2	DEF. O O O O O O O O O O O O O O O O O O O	REGULATOR PROTECTION 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 regulator 2 activity during regulation probe alarm ALARMS temperature 1 alarm threshold temperature 1 alarm type	MIN MAX. 0 240 min 0 240 s 0 = off	Pt 100 an 1000 prob Ni 120 pro Ni 120 pro J ther couples K ther couples O-20 mA, transduce Digital inp Dry conta Analogue Signal O-10 V Digital ou K1 relay Type 1 or Additional actions	Re des Me Re des Me Re des Me Re	esolution: easurement fi esolution: da, 0-10 V and esolution: da, 0-10 V and esolution:	eld: eld: eld: eld: eld: 2-10 V 1 dry con input is c Contact t Protectio 1 for 0-1 Available condition ble impedar 1 with eld	0.1 ° from 0.1 ° from 0.1 ° from 0.1 ° from 1 ° C from 1 ° C can t intact (multiconfigured from 0.0 v or PWN in the mo that they nce 1 KG 0.0 ° ectromecha SPS Typp pe 2 C	C (1 °F) 1-40 to 110 °C (from -58 to 230 °F) 1-40 to 110 °C (from -148 to 999 °F) 1-100 to 650 °C (from -148 to 999 °F) 1-80 to 300 °C (from -112 to 999 °F) 1-80 to 300 °C (from 32 to 999 °F) 1-90 to 700 °C (from 32 to 999 °F) 1-90 to 999 °C (from 32 to 999 °F) 1-90 to 999 °C (from 32 to 999 °F) 1-90 to 999 °C (from 32 to 999 °F) 1-90 to 999 °C (from 32 to 999 °F) 1-90 to 999 °C (from 32 to 999 °F) 1-90 to 999 °C (from 32 to 999 °F) 1-90 to 1-90 °C (from 32
1. 2. 3.	N.B CP PP - Se VAL. 149 1611	heck the ARAMET aving cu	actory at the FERS. JISTOMIS CCRIPTI E for re	Touch the SET key for 4s (or tak procedure. settings (default) and saving cu factory settings are appropriate; seed settings overwrites the factory settings overwrites the factory settings overwrites the factory settings. Touch the SET key for 4s: the displant of the SET key. Touch the UP or DOWN key within ON settoring the factory information (defaulting customised settings) Touch the SET key (for setting show the label "dEF" (for setting "MAP" (for setting the "161" value Touch the SET key.	the no action for 60s) to exit the statemised settings the the section CONFIGURATION ettings. The property of the section of the section of the section of the section for 15s): the display will get the "149" value) or the label section for 15s): the display will action for 15s): the display will action for 15s): the display will exciton for 15s): the display will section for 15s):		N. 38 39 40 41 42 43 44 45 N. 46 47 48 49 50	PAR. C1 C2 C3 C4 C5 C6 C7 C8 PAR. A1 A2	DEF. O O O O O O O O O O O O O O O O O O O	REGULATOR PROTECTION 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 regulator 2 activity during regulation probe alarm ALARMS temperature 1 alarm threshold temperature 1 alarm type	MIN MAX. 0 240 min 0 240 s 0 = off	NTC probe Pt 100 an 1000 prob Ni 120 pro J ther couples K ther couples O-20 mA, transduce Digital inp Dry conta Analogue Signal O-10 V Digital ou K1 relay Type 1 or Additional	Re R	esolution: easurement fi esolution: A, 0-10 V and inimum applica esolution: Actions es of Type	eld: eld: eld: eld: eld: 2-10 V 1 dry con input is c Contact t Protectio 1 for 0-1 Available condition ble impedar 1 with eld	0.1 ° from 0.1 ° from 0.1 ° from 0.1 ° from 0.1 ° C from 1 ° C can the configured to	C (1 °F) 1-40 to 110 °C (from -58 to 230 °F) 1-40 to 110 °C (from -58 to 230 °F) 1-100 to 650 °C (from -148 to 999 °F) 1-100 to 650 °C (from -112 to 999 °F) 1-80 to 300 °C (from 32 to 999 °F) 1-0 to 700 °C (from 32 to 999 °F) 1-0 to 999 °C (from 32 to 999 °F) 1-0 to 999 °C (from 32 to 999 °F) 1-0 to 999 °C (from 32 to 999 °F) 1-0 to 999 °C (from 32 to 999 °F) 1-0 to 999 °C (from 32 to 999 °F) 1-0 to 999 °C (from 32 to 999 °F) 1-0 to 999 °C (from 32 to 999 °F) 1-0 to 999 °C (from 32 to 999 °F) 1-0 to 999 °C (from 32 to 999 °F) 1-0 to 999 °C (from 32 to 999 °F) 1-0 to 999 °C (from 32 to 999 °F) 1-0 to 700 °C (fro
1. 2. 3.	N.B CP PAP - Set VAL. 149 1611	heck th ARAME! aving cu	actory at the FERS. JISTOMIS CORIPTI For	Touch the SET key for 4s (or tak procedure. settings (default) and saving cu factory settings are appropriate; seed settings overwrites the factory settings overwrites the factory settings overwrites the factory settings. Touch the SET key for 4s: the displaying to the SET key. Touch the UP or DOWN key withing one of the settings. Touch the SET key (or take no a show the label "dEF" (for setting "MAP" (for setting the "161" valued to the SET key. Touch the SET key. Touch the SET key (or take no a show "" flashing for 4s, after procedure. Touch the power supply.	the no action for 60s) to exit the state is stomised settings. The the section CONFIGURATION ettings. The the section the label *PA*. The the section of the label *PA*. The the section of the label section for 15s): the display will get the "149" value) or the label section for 15s): the display will resident of the section for 15s): the display will resident of the section for 15s): the display will resident of the section for 15s): the display will resident of the section for 15s): the display will resident of the section for 15s): the display will resident of the section for 15s): the display will resident of the section for 15s): the display will resident of the section for 15s): the display will resident of the section for 15s): the display will resident of the section for 15s): the display will resident of the section for 15s): the display will resident of the section for 15s): the display will resident of the section for 15s): the display will resident of the section for 15s): the display will resident of the section for 15s): the display will resident of the section for 15s): the display will resident of the section for 15s): the display will resident of the section for 15s): the display will resident of the section for 15s): the section for 15s is the se		N. 38 39 40 41 42 43 44 45 N. 46 47	PAR. C1 C2 C3 C4 C5 C6 C7 C8 PAR. A1 A2	DEF. O.O. O.O. O.O. O.O. O.O. O.O. O.O. O	REGULATOR PROTECTION 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 off and delay from power-on of regulator 2 regulator 2 activity during regulation probe alarm ALARMS temperature 1 alarm threshold temperature 1 alarm type temperature 2 alarm threshold temperature 2 alarm type	MIN MAX. 0 240 min 0 240 s 0 = off	Pt 100 an 1000 prob Ni 120 pro Ni 120 pro J ther couples K ther couples Couples Ni 120 pro Ni 120 p	Re R	esolution: easurement fi esolution: A, 0-10 V and inimum applica esolution: Actions es of Type	eld: eld: eld: eld: eld: 2-10 V 1 dry con input is c Contact t Protectio 1 for 0-1 Available condition ble impedar 1 with eld	0.1 ° from 0.1 ° from 0.1 ° from 0.1 ° from 1 ° C from 1 ° C can the state of the s	C (1 °F) 1-40 to 110 °C (from -58 to 230 °F) C (1 °F) 1-100 to 650 °C (from -148 to 999 °F) C (1 °F) 1-80 to 300 °C (from -112 to 999 °F) C (1 °F) 1-0 to 700 °C (from 32 to 999 °F) (1 °F) 1-0 to 700 °C (from 32 to 999 °F) (1 °F) 1-0 to 999 °C (from 32 to 999 °F) (1 °F) 1-0 to 999 °C (from 32 to 999 °F) (1 °F) 1-0 to 999 °C (from 32 to 999 °F) (1 °F) 1-0 to 999 °C (from 32 to 999 °F) (1 °F) 1-1 The purpose of the analogue for Pt 100, Pt 1000 or Nt 120 3 wires 3.3 V, 1 mA 1-1 none M signal. Idels with power supply 12-24 VAC/DC on are powered at 24 VAC/DC Ohm 1 V Anical relay (K1 relay) ST, 16 A res. @ 250 VAC The purpose of the function icons of the control of t
1. 2. 3.	N.B CP PAP - Set VAL. 149 1611	SET oring fa heck the ARAMET aving cu SET DES Valu Valu SET SET	actory at the FERS. JISTOMIS CORIPTI For	Touch the SET key for 4s (or tak procedure. settings (default) and saving cu factory settings are appropriate; seed settings overwrites the factory settings overwrites the factory settings overwrites the factory settings. Touch the SET key for 4s: the displaying the factory information (defaving customised settings.) Touch the SET key (or take no a show the label "dEF" (for setting "MAP" (for setting the "161" value. Touch the SET key. Touch the SET key. Touch the SET key (or take no a show "" flashing for 4s, after procedure.	te no action for 60s) to exit the state is stomised settings. The the section CONFIGURATION ettings. The the section the label *PA*. The the section of the label *PA*. The the section of the label section for 15s): the display will get the "149" value) or the label section for 15s): the display will resident of the section for 15s): the section for 15s is th		N. 38 39 40 41 42 43 44 45 N. 46 47 50	PAR. C1 C2 C3 C4 C5 C6 C7 C8 PAR. A1 A2 A3 A4 A5	DEF. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	REGULATOR PROTECTION 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 off and delay from power-on of regulator 2 regulator 2 activity during regulation probe alarm ALARMS temperature 1 alarm threshold temperature 1 alarm type temperature 2 alarm threshold temperature 2 alarm type temperature 2 alarm delay temperature 2 alarm delay temperature 3 alarm delay temperature 4 alarm delay temperature 5 alarm delay temperature 6 alarm delay temperature 8 alarm delay femodifying setpoint and power-on additional alarm signal delay after silencing if the condition	MIN MAX. 0 240 min 0 240 s 0 = off	Pt 100 an 1000 prob Ni 120 pro Ni 120 pro J ther couples K ther couples Couples Ni 120 pro Ni 120 p	Re R	esolution: easurement fi esolution: A, 0-10 V and inimum applica esolution: Actions es of Type	eld: eld: eld: eld: eld: 2-10 V 1 dry con input is c Contact t Protectio 1 for 0-1 Available condition ble impedar 1 with eld	0.1 ° from 0.1 ° from 0.1 ° from 0.1 ° from 1 ° C from 1 ° C can the state of the s	C (1 °F) 1-40 to 110 °C (from -58 to 230 °F) 1-100 to 650 °C (from -148 to 999 °F) 1-100 to 650 °C (from -148 to 999 °F) 1-80 to 300 °C (from -112 to 999 °F) 1-80 to 300 °C (from 32 to 999 °F) 1-90 to 700 °C (from 32 to 999 °F) 1-90 to 999 fro 999 °F) 1-90 to 9
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1. 2. 3. 4. 5. 6. 7. 8. 9.	N.B CP PP Second Se	heck th ARAMET aving connect to set t	actory at the FERS. Istomis CRIPTI e for refer for set of the development of the deve	Touch the SET key for 4s (or tak procedure. settings (default) and saving cu factory settings are appropriate; seed settings overwrites the factory set of settings overwrites the factory set of settings overwrites the factory set of the SET key. Touch the SET key. Touch the UP or DOWN key within the SET key. Touch the SET key (or take no a show the label "dEF" (for setting "MAP" (for setting the "161" valued to the SET key). Touch the UP or DOWN key within the SET key. Touch the SET key (or take no a show " " flashing for 4s, after procedure. ice from the power supply. Touch the SET key for 2s before beforehand. PARAMETERS SETPOINT setpoint setpoint 2 ANALOGUE INPUTS regulation probe offset	e no action for 60s) to exit the statement of the section configuration et the section configuration ettings. In 15s to set the value. In 15s to set the value. In 15s to set the value or the label and the section for 15s): the display will go the "149" value) or the label set of the section for 15s): the display will represent the section for 15s to set "4". In 15s to set the value. In 15s to set "4". In 15s to set		N. 38 39 40 41 42 43 44 45 N. 46 47 50 51 52 53 56 N.	PAR. C1 C2 C3 C4 C5 C6 C7 C8 PAR. A1 A2 A3 A4 A5 A6 A7 A8 A9 A11 A13 PAR.	DEF. 0 0 0 0 0 0 0 0 0 0 0 0 0	REGULATOR PROTECTION minimum time between two power-ons of regulator 1 minimum time off and delay from power-on of regulator 1 minimum time 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 regulator 2 activity during regulation probe alarm ALARMS temperature 1 alarm threshold temperature 1 alarm type temperature 2 alarm type temperature 2 alarm threshold temperature 2 alarm threshold temperature 2 alarm threshold temperature 3 alarm threshold temperature 4 alarm delay temperature 5 alarm delay after modifying setpoint and power-on additional alarm signal delay after silencing if the condition persists alarm output logic temperature alarm switch off differential enable alarm buzzer DIGITAL INPUTS	MIN MAX. 0 240 min 0 240 s 0 = off	Pt 100 an 1000 prob Pt 100 an 1000 prob Ni 120 pro J ther couples K ther couples K ther couples O-20 mA, transduce Digital inp Dry conta Analogue Signal O-10 V Digital ou K1 relay Type 1 or Additional actions Displays Alarm buz Communi	Re R	esolution: easurement fi esolution: A, 0-10 V and inimum applica esolution: Actions es of Type	eld: eld: eld: eld: eld: 2-10 V 1 dry con input is c Contact t Protectio 1 for 0-1 Available condition ble impedar 1 with eld	0.1 ° from 0.1 ° from 0.1 ° from 0.1 ° from 1 ° C from 1 ° C can the state of the s	C (1 °F) 1-40 to 110 °C (from -58 to 230 °F) C (1 °F) 1-100 to 650 °C (from -148 to 999 °F) C (1 °F) 1-80 to 300 °C (from -112 to 999 °F) C (1 °F) 1-0 to 700 °C (from 32 to 999 °F) (1 °F) 1-0 to 999 °C (from 32 to 999 °F) (1 °F) 1-0 to 999 °C (from 32 to 999 °F) (1 °F) 1-0 to 999 °C (from 32 to 999 °F) (1 °F) 1-10
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