CONTROL UNIT FOR DIESEL ENGINE TYPE DCA-120/10





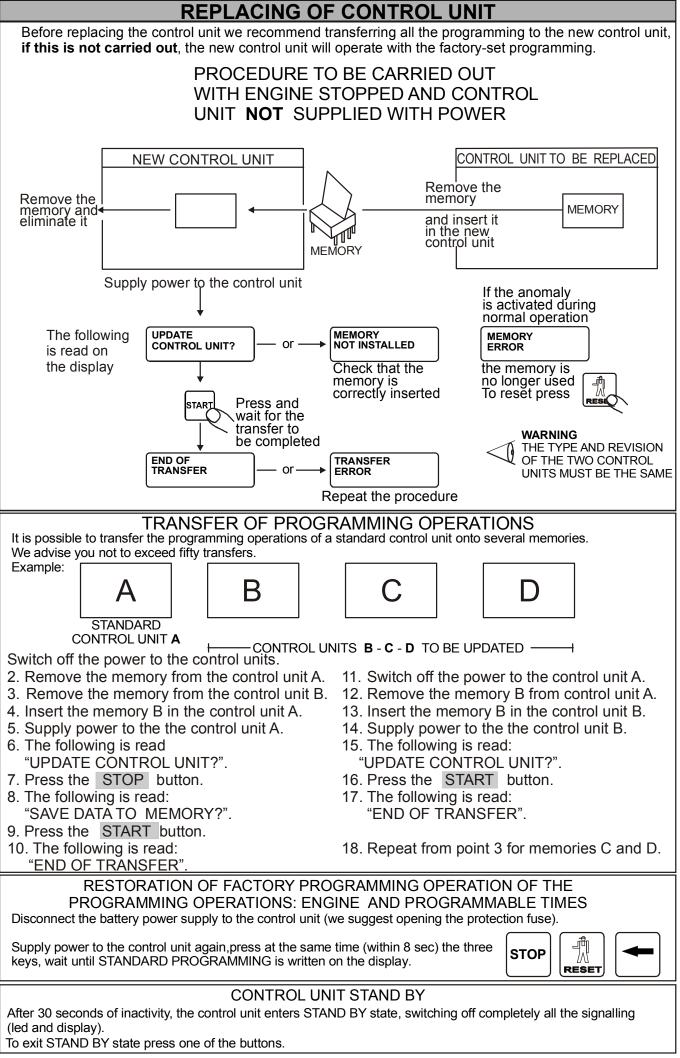
TECHNICAL PROGRAMMING MANUAL

BRIEF INSTRUCTIONS

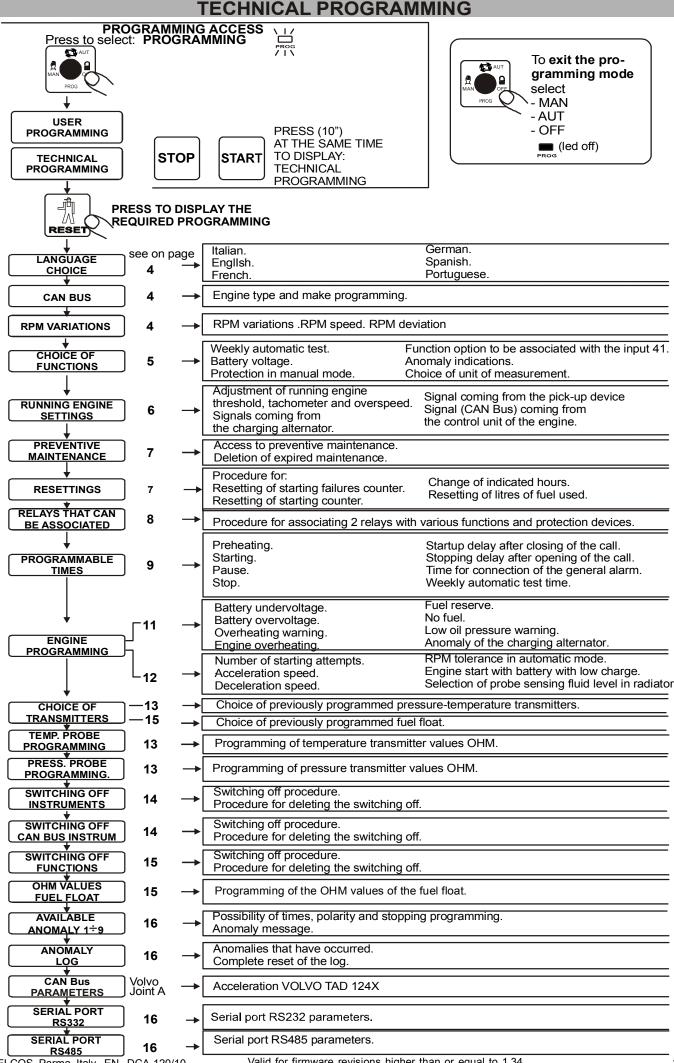
READ:

- selection of functions on page 5
- when terminal 65 are connected is necessary programming ADJUSTMENT WITH CHARGING ALTERNATOR FREQUENCY (W) see page 6.



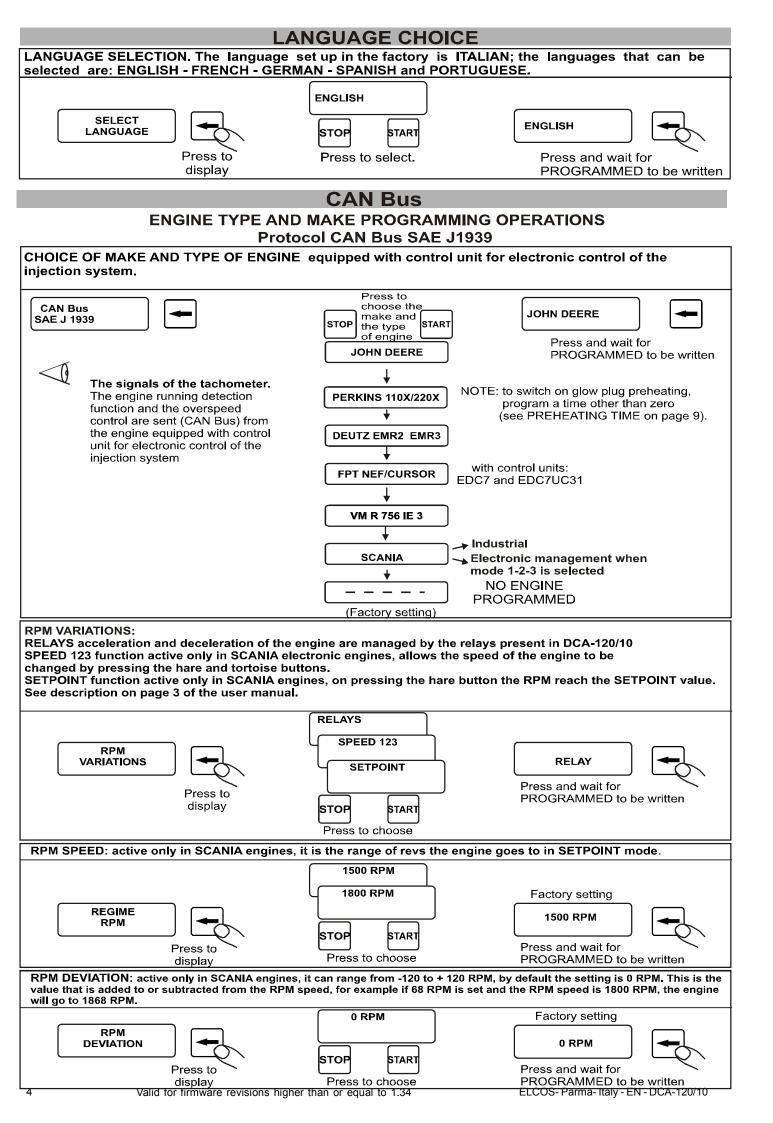


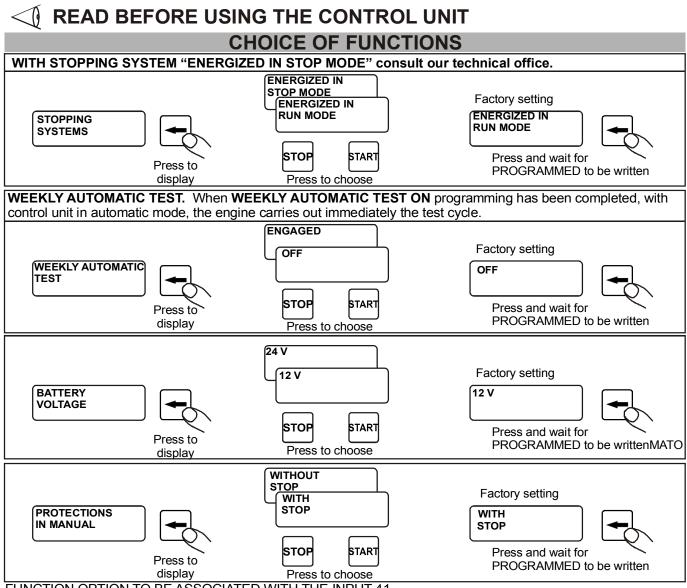
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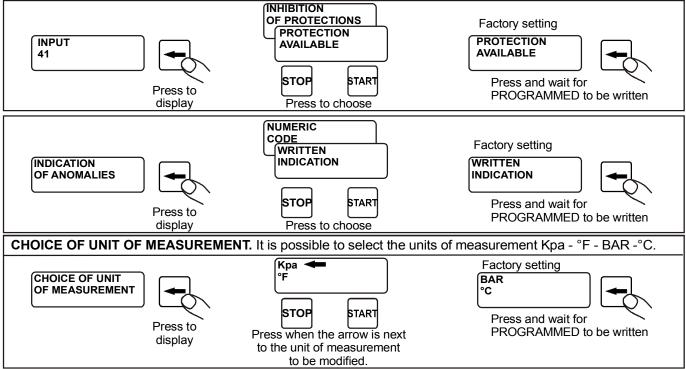
FUNCTION OPTION TO BE ASSOCIATED WITH THE INPUT 41

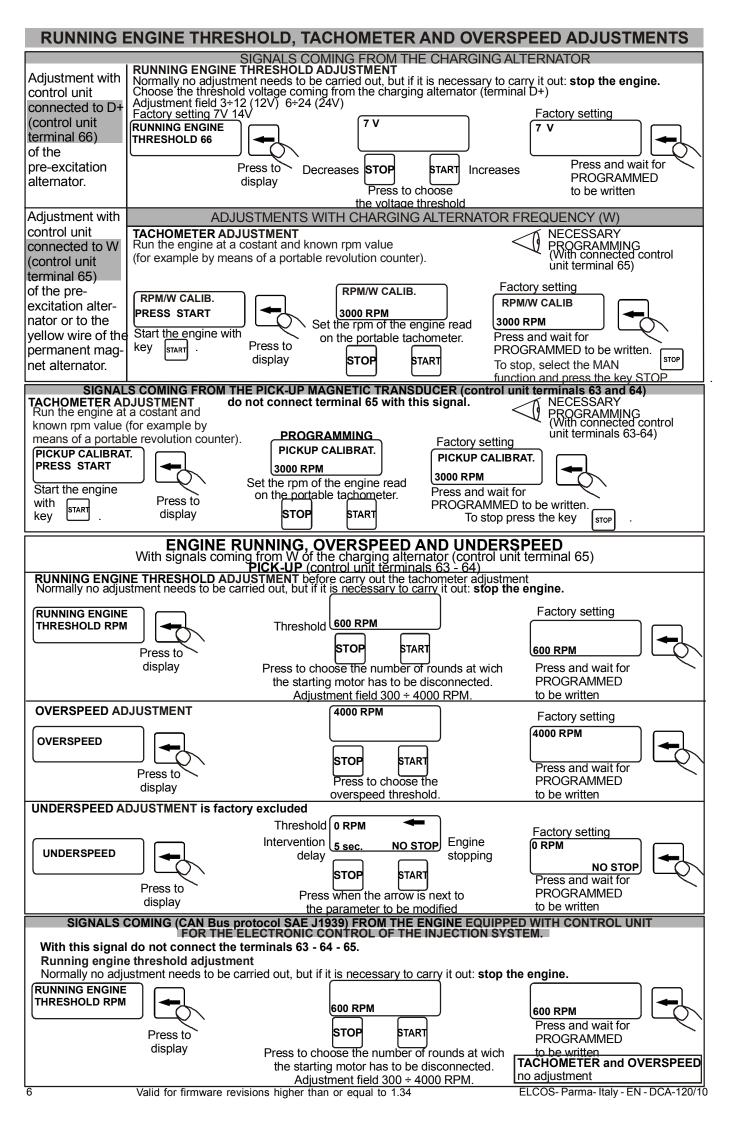
Input 41 can be used in two ways:

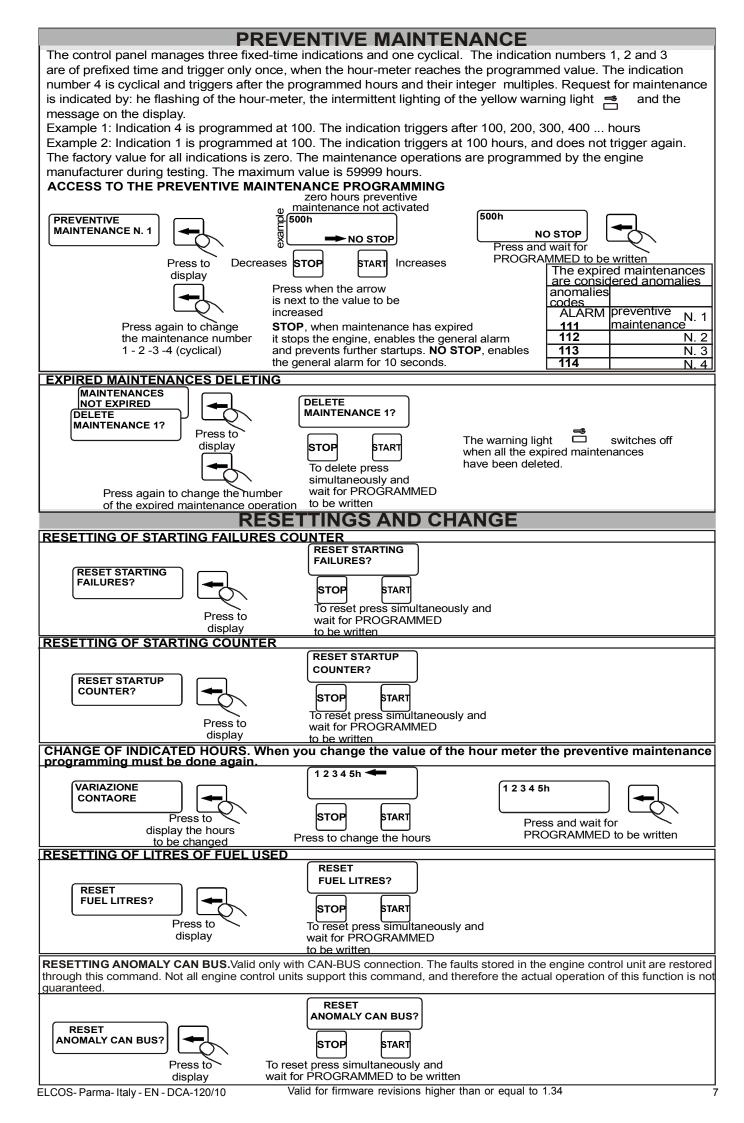
1) Fully programmable **protection input available** (times, polarities, possibility of stopping and message regarding the anomaly)

or

2) Inhibition of control unit protection devices when the input is connected to ground, all the protection devices of the control unit are switched off. No switching off is possible for: OVERSPEED and EMERGENCY.







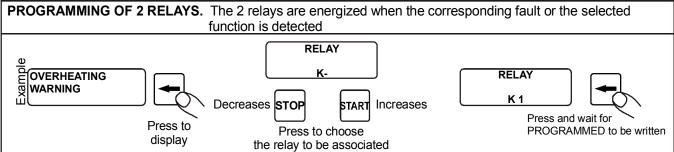
RELAYS THAT CAN BE ASSOCIATED

It is possible to associate a relay with each of the protection devices listed in the basic table or with the functions included in this list:

DESCRIPTION OF DISPLAY	MEANING	
WEEKLY AUTOMATIC TEST	Weekly test in progress	
DAILY START TIMER	Starting by timer	
• CALL	Starting on closing of the call contact	Capa
STARTING WITH GSM	Starting with GSM telephone	of cor 1A 50
MANUAL STARTING	Manual starting	
MODE AUT MODE MAN MODE OFF	Function selected	-
• STOP	Stopping in progress	
RUNNING ENGINE	The engine has started	
PREVENTIVE		
MAINTENANCE N. 1 " 2 " 3 " 4	Expired maintenances	

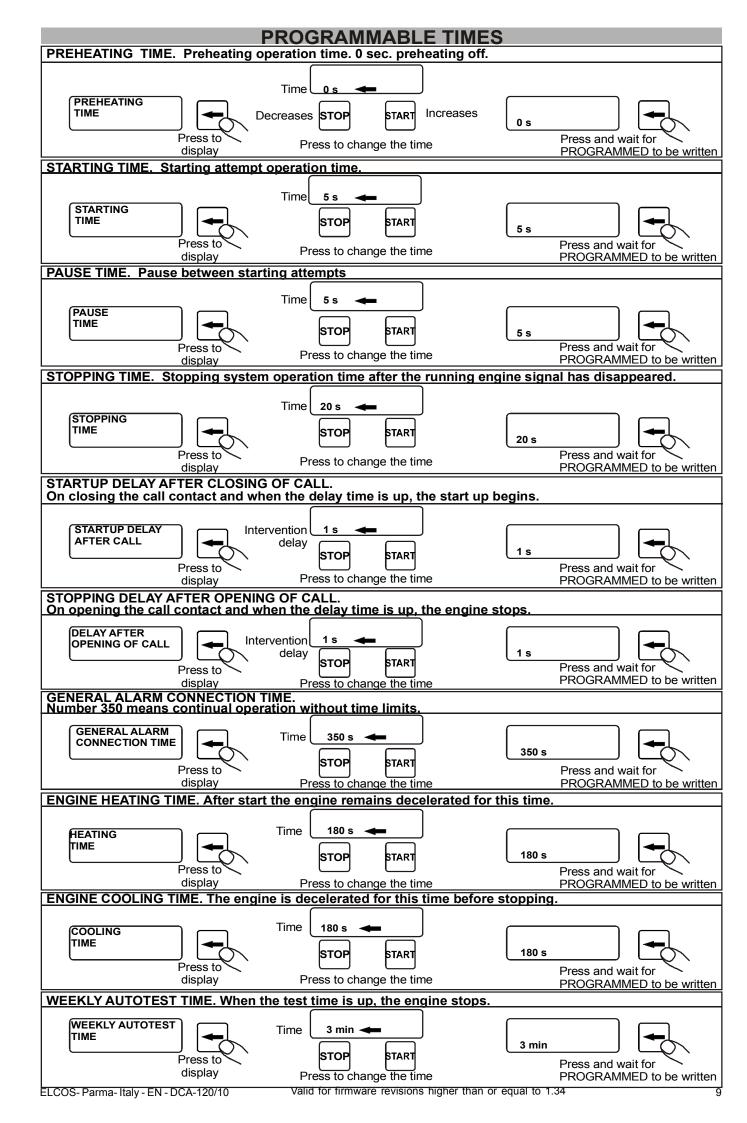
	S THAT CAN SOCIATED
K2 K1 K1 K2 K2 Facity contacts	TWO RELAYS THAT CAN BE ASSOCIATED WITH THE FUNCTIONS AND PROTECTION DEVICES LISTED ON PAGE 8 OF THE
50VDC 25VAC	TECHNICAL PROGRAMMING OPERATIONS MANUAL

PROGRAMMING

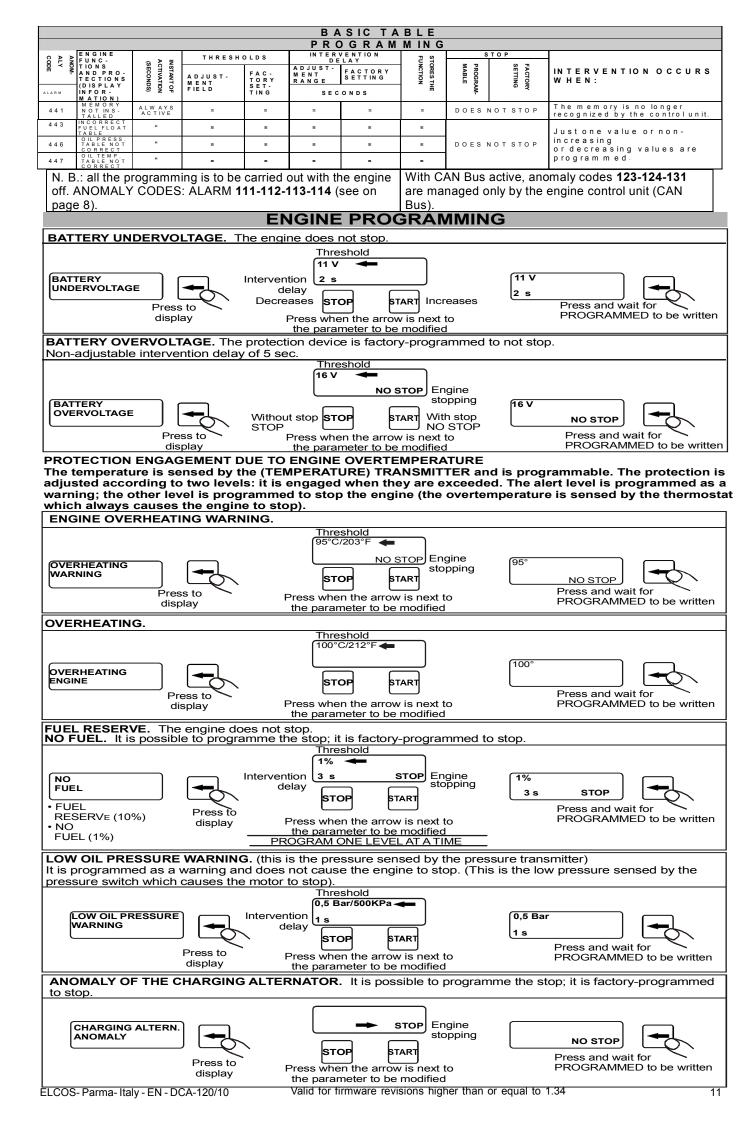


PROGRAMMABLE TIMES

DESCRIPTION	SEC	ONDS
	ADJUSTMENT FIELD	FACTORY SETTING
PREHEATING TIME - Preheating operation time	0÷60	0 (preheating off)
STARTING TIME Starting attempt operation time	5÷25	5
PAUSE TIME Pause between starting attempts	1÷20	5
STOPPING TIME - Stopping system operation time after the running engine signal has disappeared	1÷55	20
STARTUP DELAY AFTER CLOSING OF CALL - On closing the call contact and when the delay time is up, the start up begins	1÷600	1
STOPPING DELAY AFTER OPENING OF CALL - On opening the call contact and when the delay time is up, the engine stops	1÷600	1
GENERAL ALARM INSERTION TIME - Number 350 means continual operation without time limits	10÷350	350 (continual operation)
ENGINE HEATING TIME - Engine acceleration time	0÷300 (zero operation excluded)	180
RNGINE COOLING TIME - Engine deceleration time.	0÷300 (zero operation excluded)	180
WEEKLY AUTOTEST TIME - When the test time is up, the engine stops	1÷60 minutes	3 minutes
8 Valid for firmware revisions higher than or equal to 1.34	ELCOS-Parma-	italy - EN - DCA-120/10



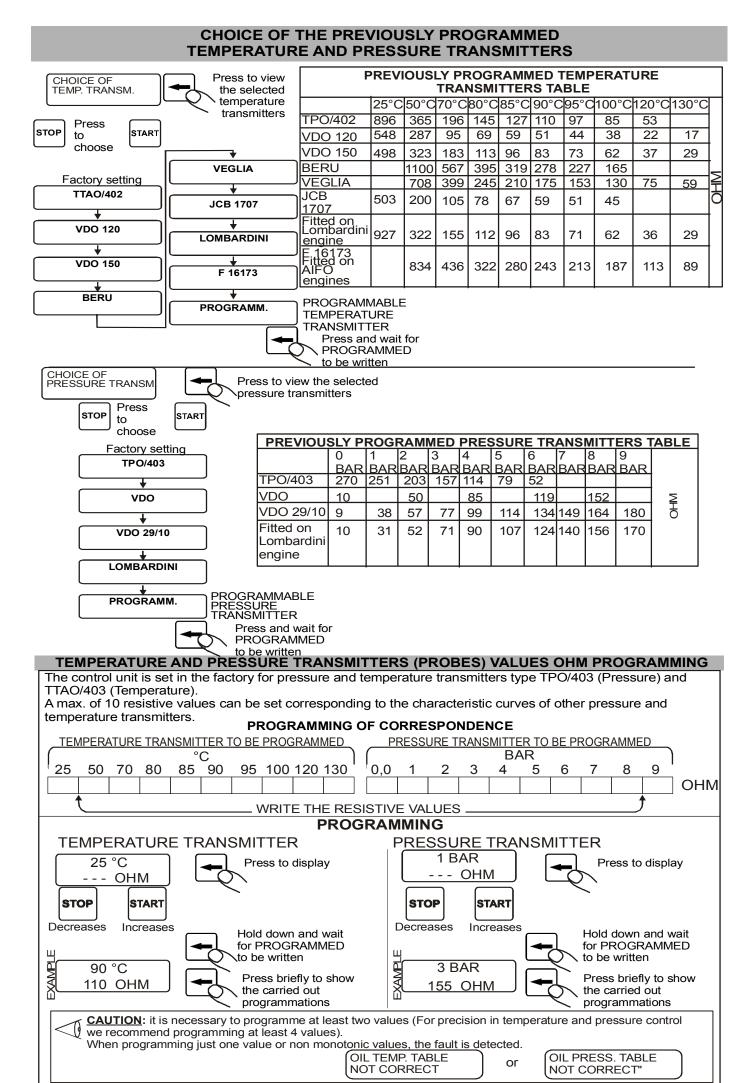
						ASIC TA		}			
	ENGINE						1		STOP		
ANOM-	FUNC- TIONS AND PRO- TECTIONS	INSTANT OF ACTIVATION (SECONDS)	THRESH	FAC-		ELAY FACTORY SETTING	STORES THE	PRO-GRAM- MABLE	FACTORY SETTING	INTERVENTION OCCURS WHEN:	
LARM	(DISPLAY INFOR- MATION)	r of Tion DS)	MENT FIELD	SET- TING		CONDS	Ĩ.	RAM-	IG RY		
120	BATTERY UNDER- VOLTAGE	ALWAYS ACTIVE	8÷12(12V) 16÷24(24V)	11 (12V) 22 (24V)	1÷5	2	YES	DOES	NOT STOP	Battery voltage remains lower than the programmed threshold for the whole of the intervention delay time	
121	BATTERY OVER- VOLTAGE	u	12÷18(12V) 24÷36(24V)	16 (12V) 32 (24V)	=	5	YES	YES	WITHOUT STOP	Battery voltage exceeds the programmed threshold for the who of the intervention time.	
123	OVER- HEATING WARNING	ű	90÷140°C	95°C	=	=	YES	WITH	OUT STOP	The temperature detected by the	
124	ENGINE OVER- HEATING	u	90÷140°C	100°C	=	=	YES	STOPS		transmitter exceeds the set threshold.	
125	OVER- HEATING DETEC- TED BY THERMO- STATIC SWITCH	WITH RUN- NING ENGINE			=	=	YES	STOP		The temperature exceeds the threshold set by the thermostatic switch. No programming is possibl	
129	FUEL RESERVE	ALWAYS ACTIVE	0÷99%	10%	1÷5	1	NOT	ALWA	YS ACTIVE	The fuel level remains lower than	
130	NO FUEL	ш	0÷99%	1%	1÷20	3	YES	YES	WITH STOP	the threshold for the whole of the intervention delay time.	
131	LOW OIL PRESS- URE WARNING	10 AFTER DETEC- TION OF RUN- NING ENGINE	0÷6bar	0,5 bar	1÷5	1	YES	NOT	DOES NOT STOP	The pressure detected by the transmitter remains lower than the programmed threshold for the who of the intervention delay time.	
132	LOW OIL PRESS- URE	10 AFTER DETEC- TION OF RUN- NING ENGINE	=	=	=	IMME- DIATE	YES	NOT	STOP	The pressure is lower than the threshold set by the pressure switch. (No programming is possible).	
133	STOP- PING FAILURE	AFTER THE STOP COM- MAND	=	=	=	60	YES		·	See description on page 4 of the instructions and user manual. (No programming is possible).	
135	LOW COOLANT LEVEL	ALWAYS ACTIVE	=	=	=	5	YES	S	STOPS	The cooling liquid falls below the electrode and the intervention dela time has elapsed. (No programming is possible).	
136	CHARG- ING ALTER- NATOR FAULT (belt breakage) NUMBER	10 AFTER DETEC- TION OF RUN- NING ENGINE	=	=	=	3	YES	YES	WITHOUT STOP	Alternator does not recharge the battery and the intervention delay time has elapsed.	
137	OF START- ING AT- TEMPTS (START- ING FAILURE)	ALWAYS ACTIVE	1÷10 START- INGS	4 START- INGS	=	=	YES		STOP	See description on page 3 of the instruction and user manual.	
	ENGINE START IN		Minimum 12,2÷12,7	12,4(12V)		1200				The voltage detected at the battery is lower than the minimum thresho	
138	CASE OF LOW BATTERY- CHARGE	ALWAYS ACTIVE	24,4÷25,4 13,5÷14,5 27÷29	24,8 (24V) 13,6(12V) 27,2(24V)	900÷ 7200	(20 minutes)	NOT			(the engine starts). The voltage exceeds the maximum threshold after the intervention delay time (the	
139	OVER- SPEED	ű	Maximum 1000 ÷ 4000 RPM		=	2	YES		STOP	engine stops). The speed exceeds the programmed threshold at least two seconds, stops the engine.	
140	INTER- RUPTED FUEL	u	=	=	=	=	NOT	DOES	NOT STOP	The circuit of the fuel float is interrupted (no programming is	
44	FLOAT INTER- RUPTED PICK-UP	ALWAYS ACTIVE	=	=	=	=	=	DOES	NOT STOP	possible). The circuit of PICK-UP is interrup- ted. No programming is possible.	
45	UNDER- SPEED	10 AFTER THE THRESH- OLD IS EX- CEEDED	0÷3000 RPM	0 RPM	1÷10	5	YES	YES	DOES NOT STOP	The speed remains lower than the programmed threshold for the who of the intervention delay time.	
146	ANOMALY PICK-UP	"	=	=	=	1	=	DOES	NOT STOP	PICK-UP is an anomaly. No programming is possible.	
19	EMERG- ENCY STOP	"	=	=	=	=	=		STOP	The emergency button is pressed. (No programming is possible).	
421	AVAIL- ABLE									Available fully programmable anomaly see on page 13.	
430	CAN Bus ANOMALY MEMORY	ALWAYS ACTIVE	=	=	=	=	=		NOT STOP	The DCA-120 does not communic with the control unit of the engine. During the normal operation the	



NUMBER OF STARTUP ATTEMPTS. 10 programmable startup attempts. (Starting failure).	
Number of attempts 4 STARTUP ATTEMPTS Press to display Number of 4 STOP START Press and wait for PROGRAMMED to b	be written
Press to choose the number Setting of speed of of startup attempts.	
Setting of speed of ACCELERATION AND DECELERATION The speed variator completes its maximum travel in 60 mm. It adjusts the engine speed in pulses followed by pauses. Acceleration and deceleration can both to ted, the value to set ranges from 1 to 10: 1 - SLOW MODE, 10 - FAST MODE. WE ADVISE AGAINST the use of speed variators where PRECISE setting OF THE NUMBER OF REVOLUTIONS is necret ACCELERATION SPEED Starts at the end of ENGINE HEATING. Ends when working speed is reached.	
Factory setting	
ACCELERATION SPEED Press to display Press to choose	be written
DECELERATION SPEED Starts after opening of the CALL. After deceleration has ended ENGINE COOLING starts.	
DECELERATION SPEED MODE Factory setting Press to display 5 5	
RPM TOLERANCE IN AUTOMATIC MODE. Takes the accelerator back to the chosen working speed wit tolerance of ±50 RPM. Setting field 20+150 RPM.	th a
RPM TOLERANCE IN AUTOMATIC Tolerance 50 RPM Press to display STOP START Press to choose the number of revolutions Press and wait for PROGRAMMED to be	e written
CHANGES IN RPM : it is used to program changes in the rpm by pressing button when the MOTOR SPEED 1-2-3 function is enabled. The factory value is 10 rpm.	*
CHANGES IN RPM IO RPM Press to STOP Display Press to choose the Provide the number of revolutions PROGRAMMED to be writed	itten
ENGINE START WITH BATTERY WITH LOW CHARGE. (With control unit in automatic mode). Starts or stops the generating set in relation to the voltage detected at the battery terminals.	
Minimum threshold 12,4 Volt 13,6 Maximum threshold START WITH Intervention 120 s 12,4 Volt 13,6 FLAT BATTERY Intervention 120 s 12,4 Volt 13,6 Press to delay STOP START Press and wait for Press when the arrow is next to the parameter to be modified Press and wait for	e written
RADIATOR LIQUID LEVEL PROBE SELECTION	_
RADIATOR LEVEL PROBE Reversed Operation Factory setting NORMAL OPERATION Press to display NORMAL OPERATION Press and wait for PROGRAMMED to b	be written
STOP START Press to choose	
DESCRIPTION MESSAGE SHOWN MESSAGE SHOWN MESSAGE SHOWN	SHOWN
SELECT PROBES MESSAGE SHOWN ON THE DISPLAY SELECT PROBES MESSAGE SHOWN ON THE DISPLAY SELECT PROBES ON THE DISPLAY Image: State of the problem of the p	

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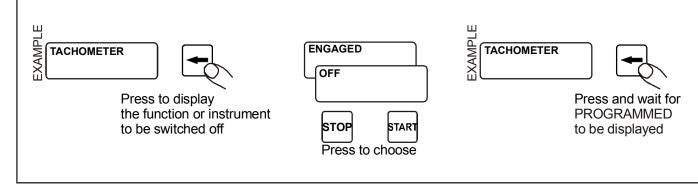
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Valid for firmware revisions higher than or equal to 1.34

SWITCHING OFF AND ON PROCEDURE OF INSTRUMENTS AND FUNCTIONS

Instruments and functions can be switched off and engaged by following the procedures given below.



INSTRUMEN	IS SWITCHIN	G OFF (See p	roced	CA dure over)	N Bus INST	RUMENTS SWITCHING OFF
Measurements produ- ced by the DCA-120	F	ACTORY P	ROGI	RAMMING		Measurements produced by the control unit of the
control unit	ENGAGED	OFF		ENGAGED	OFF	engine (CAN Bus)
TACHOMETER	•			•		FUEL
THERMOMETER			1			USED
INCLUDES/EXCLUDES also the measurement	•			•		INSTANT. CONSUMPTION
produced by the engine control unit (CAN Bus)	-					FUEL
, , , , , , , , , , , , , , , , ,				•		TEMPERATURE
OIL PRESSURE GAUGE						TURBOCHARGER
also the measurement produced by the engine	•			•		TEMPERATURE
control unit (CAN Bus)				•		OIL TEMPERATURE
]			INTERCOOLER
				•		TEMPERATURE
						INTAKE
						TEMPERATURE
						COOLING LIQUID
				•		LEVEL
						FUEL
				•		PRESSURE
						COOLING LIQUID
				•		PRESSURE
					•	ENGINE TORQUE
				•		ENGINE LOAD
					•	ENGINE POWER
				•		ENGINE IGNITION VIA CANBUS Only for engines featuring this control
14 Valid for	firmware revisior	o biobor there -			•	SPEED SETUP Only for engines featuring Ithis control ELCOS-Parma-Italy - EN - DCA-120/10

	UNCTION	SSWIIC	HING OFF	(see pro	ocedure	in the preceding pa	age)
						ENGAGED	OFF
MAN MODE 🏾 🖞	(MANUAL)					•	
AUT MODE 🛛 🗲		C)				•	
OFF MODE	(STOP)					•	
BATTERY UNDE	RVOLTAGE					•	
BATTERY OVERVO	DLTAGE					•	
		OVERHEAT	TING WARNING			•	
SWITCHING OF	F NOT VALID		/ERHEATING			•	
		(Sensed by	the temperature	transmi	itter)	•	
ON CAN Bu		LOW OIL PI	RESSURE WAR	NING		•	
STOPPING FAIL						When the function is	s inclu-
(automatic contro			s function exclud	ed.		ded, carry out the co tions (of the VAR-20	onnec- l
engine heating a				,		dicated in the user i	instru-
ENGINE SPEED		ne and user.	manual				
See description ir EMERGENCY S				n standh	w even		•
if the emergency	<u>stop button ha</u>	is been press	sed.	5 otariat	y even		•
REMOTE HARE							•
STARTING WITH	IFLAI BAITEI	RY				•	•
PICK-UP INTER	RUPTED						•
SMS SENDING E	EVERY START				sent		•
whenever the SM		arted up or s	tops automatical	ly			
SMS PASSAGE							•
SMS PASSAGE							•
see description in			ENANCE				•
SMS RESET FAL	JLTS						•
CHARGING ALT	ERNATOR	lassa tha sal	ector and carry o	n tha			
procedure descri	bed on page 6.	See TACHC	DMETER ADJÚS	TMENT	. _ _	•	
with SIGNALS C	OMING FROM	THE PICK-U	JP MAGNETIC		12 24 VOLT		
GENERAL ALAR	M switching o	off is possib	le when this inte	rvenes t	o warn		
of the imminent a It cannot be swi	utomatic starti	ng except for	call starting.		L	•	
		i the interver					
				•			ΟΛΤ
			VIOUSLY P	ROG	RAM	IED FUEL FL ssembly, suitable for	
			VIOUSLY P rogrammed for a	ROG	RAM	IED FUEL FL ssembly, suitable fo	
FUEL FLOAT CH	IOICE. The cor	ntrol unit is pr	viously P ogrammed for a	ROGI float/rhe	RAM		
FUEL FLOAT CH indication.	IOICE. The cor	ntrol unit is pr	VIOUSLY P rogrammed for a Press to choose	ROG	RAM	w	
FUEL FLOAT CH indication.	IOICE. The cor	ntrol unit is pr	viously P ogrammed for a	ROGI float/rhe	RAM	w FUEL	
FUEL FLOAT CH indication. CHOICE OF FUEL FLOAT	IOICE. The cor	ntrol unit is pr ess display	VIOUSLY P rogrammed for a STOP Press to choose VEGLIA	ROGI float/rhe	RAM	w	Press and wait for
FUEL FLOAT CH indication.	IOICE. The cor	ntrol unit is pr	VIOUSLY P rogrammed for a stop Press to choose VEGLIA	ROGI float/rhe	RAM	w FUEL	Press and wait for PROGRAMME
FUEL FLOAT CH indication. CHOICE OF FUEL FLOAT	IOICE. The cor	ntrol unit is pr ess display	VIOUSLY P rogrammed for a STOP Press to choose VEGLIA VEGLIA VDO	ROGI float/rhe	RAM	w FUEL	Press and wait for
FUEL FLOAT CH indication. CHOICE OF FUEL FLOAT	TANK LEVEL FULL	ntrol unit is pr ess display OHM 0	VIOUSLY P rogrammed for a STOP Press to choose VEGLIA VDO	ROGI float/rhe	RAMI eostat as	FUEL CONTROL W	Press and wait for PROGRAMMEI to be written
FUEL FLOAT CH indication. CHOICE OF FUEL FLOAT FLOAT VEGLIA (factory setting)	TANK LEVEL FULL EMPTY	ntrol unit is pr ess display OHM 0 300	VIOUSLY P rogrammed for a STOP Press to choose VEGLIA VDO DATCON	ROGI float/rhe	RAMIN eostat as	FUEL CONTROL W sible to programme to	Press and wait for PROGRAMMEN to be written
FUEL FLOAT CH indication. CHOICE OF FUEL FLOAT FLOAT	TANK LEVEL FULL FULL FULL	ntrol unit is pr ess display OHM 0 300 150	VIOUSLY P rogrammed for a STOP Press to choose VEGLIA VEGLIA VDO	ROGI float/rhe	RAMIN eostat as	FUEL CONTROL W	Press and wait for PROGRAMMEN to be written
FUEL FLOAT CH indication. CHOICE OF FUEL FLOAT FLOAT VEGLIA (factory setting) VDO	TANK LEVEL FULL FULL EMPTY FULL EMPTY	otrol unit is pr ess display OHM 0 300 150 0	VIOUSLY P rogrammed for a STOP Press to choose VEGLIA VDO DATCON		RAMIN eostat as lt is pos with cor FUEL C	Seembly, suitable for W FUEL CONTROL W Sible to programme for itact that closes to gree CONTROL W OAT	Press and wait for PROGRAMMEN to be written
FUEL FLOAT CH indication. CHOICE OF FUEL FLOAT FLOAT VEGLIA (factory setting)	TANK LEVEL FULL EMPTY FULL EMPTY FULL	otrol unit is pr ess display OHM 0 300 150 0 37	VIOUSLY P rogrammed for a STOP Press to choose VEGLIA VDO DATCON W PROGRAMM	ROGI float/rhe	RAMIN eostat as lt is pos with cor FUEL C	FUEL CONTROL W sible to programme to ntact that closes to gr	Press and wait for PROGRAMMEN to be written
FUEL FLOAT CH indication. CHOICE OF FUEL FLOAT FLOAT VEGLIA (factory setting) VDO	TANK LEVEL FULL FULL EMPTY FULL EMPTY	ohm 0 300 150 0 37 240 previ	VIOUSLY P rogrammed for a STOP Press to choose VEGLIA VDO DATCON W PROGRAMM To program or cl iously programmed	ROGI float/rhe start	RAMIN eostat as lt is pos with cor FUEL C FUEL FL PROGR/ see	Seembly, suitable for W FUEL CONTROL W Sible to programme for itact that closes to gree CONTROL W OAT	Press and wait for PROGRAMMEN to be written
FUEL FLOAT CH indication. CHOICE OF FUEL FLOAT FLOAT VEGLIA (factory setting) VDO	TANK LEVEL FULL EMPTY FULL EMPTY FULL	ohm 0 300 150 0 37 240 previ	VIOUSLY P rogrammed for a STOP Press to choose VEGLIA VDO DATCON W PROGRAMM To program or cl	ROGI float/rhe start	RAMIN eostat as lt is pos with cor FUEL C FUEL FL PROGR/ see	Seembly, suitable for W FUEL CONTROL W Sible to programme for itact that closes to gree CONTROL W OAT	Press and wait for PROGRAMMEN to be written
FUEL FLOAT CH indication. CHOICE OF FUEL FLOAT FLOAT VEGLIA (factory setting) VDO DATCON	IOICE. The cor Pr TANK LEVEL FULL EMPTY FULL EMPTY FULL EMPTY	oritrol unit is previ ess display OHM 0 300 150 0 37 240 FU	VIOUSLY P rogrammed for a STOP Press to choose VEGLIA VDO VEGLIA VDO VEGLIA VDO VEGLIA VDO DATCON VEGLIA VDO CON VEGLIA	ROGI float/rhe start	RAMIN eostat as lt is pos with cor FUEL C FUEL FL PROGR/ see IG	Seembly, suitable for W FUEL CONTROL W Sible to programme for intact that closes to gr CONTROL W OAT AMMABLE	Press and wait for PROGRAMMEI to be written the use of a float round in lack of fue
FUEL FLOAT CH indication. CHOICE OF FUEL FLOAT FLOAT VEGLIA (factory setting) VDO DATCON	TANK LEVEL FULL EMPTY FULL EMPTY FULL EMPTY FULL EMPTY FULL EMPTY	ohm o display o hm o 300 150 o 37 240 previ FU G OF Th sistive values	VIOUSLY P rogrammed for a STOP Press to choose VEGLIA VDO DATCON PROGRAMM To program or cl iously programmed EL FLOAT PROG	ROGI float/rhe start	RAMIN eostat as lt is pos with cor FUEL C FUEL FL PROGR/ see IG	Seembly, suitable for W FUEL CONTROL W Sible to programme for itact that closes to gree CONTROL W OAT	Press and wait for PROGRAMMEI to be written the use of a float round in lack of fue
FUEL FLOAT CH indication. CHOICE OF FUEL FLOAT FLOAT VEGLIA (factory setting) VDO DATCON It is possible to corresponding	TANK LEVEL FULL EMPTY FULL EMPTY FULL EMPTY FULL EMPTY FULL EMPTY	ohm o display o hm o 300 150 o 37 240 previ FU G OF Th sistive values	VIOUSLY P rogrammed for a STOP Press to choose VEGLIA VDO DATCON PROGRAMM To program or cl iously programmed EL FLOAT PROG	ROGI float/rhe start	RAMIN eostat as lt is pos with cor FUEL C FUEL FL PROGR/ see IG	Seembly, suitable for W FUEL CONTROL W Sible to programme for intact that closes to gr CONTROL W OAT AMMABLE	Press and wait for PROGRAMMEI to be written the use of a float round in lack of fue
FUEL FLOAT CH indication. CHOICE OF FUEL FLOAT FLOAT VEGLIA (factory setting) VDO DATCON It is possible to corresponding of of other floats	TANK LEVEL FULL EMPTY FULL EMPTY FULL EMPTY FULL EMPTY FULL EMPTY FULL EMPTY	ohm 0 300 150 0 37 240 previ FU G OF Th sistive values ristic curves	VIOUSLY P rogrammed for a STOP Press to choose VEGLIA VDO DATCON PROGRAMM To program or cl iously programmed EL FLOAT PROG HE OHM V/	ROGI float/rhe start start	RAMIN eostat as lt is pos with cor FUEL C FUEL FL PROGR/ See G S OF	FUEL CONTROL W sible to programme to ntact that closes to gr CONTROL W OAT AMMABLE	Press and wait for PROGRAMMEN to be written the use of a float round in lack of fuel
FUEL FLOAT CH indication. CHOICE OF FUEL FLOAT FLOAT VEGLIA (factory setting) VDO DATCON It is possible to corresponding of other floats PROGRAMMIN	TANK LEVEL FULL EMPTY FULL EMPTY FULL EMPTY FULL EMPTY FULL EMPTY FULL EMPTY FULL EMPTY	ohm ohm o o o o o o o o o o o o o o o o	VIOUSLY P rogrammed for a STOP Press to choose VEGLIA VDO DATCON PROGRAMM To program or cl iously programmed EL FLOAT PROG HE OHM V/	ROGI float/rhe start start nange d values RAMMIN ALUE	RAMIN eostat as lt is pos with cor FUEL C FUEL FL PROGR/ see G S OF AUTION ast two v	W FUEL CONTROL W sible to programme to intact that closes to gr CONTROL W OAT AMMABLE THE FUEL	Press and wait for PROGRAMMEN to be written the use of a float round in lack of fuel
FUEL FLOAT CH indication. CHOICE OF FUEL FLOAT FLOAT VEGLIA (factory setting) VDO DATCON It is possible to corresponding of other floats PROGRAMMIN	TANK LEVEL FULL EMPTY FULL EMPTY FULL EMPTY FULL EMPTY FULL EMPTY FULL EMPTY	ohm ohm o o o o o o o o o o o o o o o o	VIOUSLY P rogrammed for a STOP Press to choose VEGLIA VDO DATCON PROGRAMM To program or cl iously programmed EL FLOAT PROG HE OHM V/	ROGI float/rhe start start	RAMIN eostat as lt is pos with cor FUEL C FUEL FL PROGR/ see G S OF AUTION ast two v	FUEL CONTROL W Sible to programme to intact that closes to gr CONTROL W OAT AMMABLE THE FUEL	Press and wait for PROGRAMMEN to be written the use of a float round in lack of fuel
FUEL FLOAT CH indication. CHOICE OF FUEL FLOAT FLOAT VEGLIA (factory setting) VDO DATCON It is possible to corresponding of other floats PROGRAMMIN FLOA	TANK LEVEL FULL EMPTY FULL EMPTY FULL EMPTY FULL EMPTY FULL EMPTY FULL EMPTY	ohm 0 0 300 150 0 37 240 previ FU GOFTH sistive values ristic curves SPONDENC GRAMMED	VIOUSLY P rogrammed for a stop Press to choose VEGLIA VDO DATCON W PROGRAMM To program or cl iously programmed EL FLOAT PROG HE OHM V/ S	ROGI float/rhe start start nange d values RAMMIN ALUE	RAMIN eostat as bostat as lt is pos with cor FUEL C FUEL C PROGR/ See G S OF AUTION ast two v el contro ast 4 val hen prog	FUEL CONTROL W Sible to programme to intact that closes to gr CONTROL W OAT AMMABLE THE FUEL I it is necessary to ralues (to obtain a I we recommend p ues). gramming just one	Press and wait for PROGRAMMEI to be written the use of a float round in lack of fuel FLOAT o programme at good precision in programming at value or non-
FUEL FLOAT CH indication. CHOICE OF FUEL FLOAT FLOAT VEGLIA (factory setting) VDO DATCON It is possible to corresponding of other floats PROGRAMMIN FLOA	TANK LEVEL FULL EMPTY FULL EMPTY FULL EMPTY FULL EMPTY FULL EMPTY FULL EMPTY	ohm 0 0 300 150 0 37 240 previ FU GOFTH sistive values ristic curves SPONDENC GRAMMED	VIOUSLY P rogrammed for a STOP Press to choose VEGLIA VDO DATCON W PROGRAMM To program or cl iously programmed EL FLOAT PROG HE OHM V/	ROGI float/rhe start start	RAMIN eostat as bostat as lt is pos with cor FUEL C FUEL C PROGR/ See G S OF AUTION ast two v el contro ast 4 val hen prog onotonic	Image: seembly, suitable for seemb	Press and wait for PROGRAMMEI to be written the use of a float round in lack of fuel FLOAT o programme at good precision in programming at value or non- RECT
FUEL FLOAT CH indication. CHOICE OF FUEL FLOAT FLOAT VEGLIA (factory setting) VDO DATCON It is possible to corresponding of of other floats PROGRAMMIN FLOA	TANK LEVEL FULL EMPTY FULL EMPTY FULL EMPTY FULL EMPTY FULL EMPTY FULL EMPTY	OHM OHM O OHM O O O O O O O O O O O O O	VIOUSLY P rogrammed for a STOP Press to choose VEGLIA VDO DATCON PROGRAMM To program or cl iously programmed EL FLOAT PROG HE OHM V/ S	ROGI float/rhe start start	RAMIN eostat as bostat as lt is pos with cor FUEL C FUEL C PROGR/ See G S OF AUTION ast two v el contro ast 4 val hen prog onotonic	Image: seembly, suitable for seemb	Press and wait for PROGRAMMEI to be written the use of a float round in lack of fuel FLOAT o programme at good precision in programming at value or non-
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