

VENCO

Instruktions MANUAL

typ: pCO LAN



PERFORMO SWN



PARAMETER LIST SW-SWH PCO1

PROGRAM CODE FLSTDmMSDE

Vers. : 1.8 22/10/2004

MENU	In water E.	M0	00.0°C	
	Out water E.		00.0°C	
	U:01 OFF BY KEYB.			
SET	Actual set point	S0	05.0°C	
CLOCK	Summer setpoint	S1	05.0°C	
	Winter setpoint		40.0°C	only for heat pumps (SWH)
	Clock not installed			
I/O	CAREL S.p.A.	I0		
	CODE: FLSTDmMSDE			
	Vers. : 1.8 22/10/2004			
	Language: ENGLISH			
	Dig.inputs	I1		
	CAACCCAACCCC			
	Dig.outputs			
	AAAAAAAAAAAA			
	Analog inputs	I2		
	B1:		20.7Bar	
	B2:		09.9Bar	
	Analog inputs	I3		
	B3:		061.0°C	
	B4:		----°C	
	Analog inputs	I4		
	B5:		015.1°C	
	B6:		010.2°C	

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Analog inputs	I5
B7:	30.5°C
B8:	35.5°C

An. Outputs	I6
Y0:	00.0V
Y1:	00.0V

Driver 1	Ia
EEV	AUTO
Valve position	0
Power request	60,0%

Driver 1	Ib
SuperHeat	00.0°C
Evap.Temp.	00.0°C
Suct.Temp.	00.0°C

Driver 1	Ic
Evap.Press.	00.0bar
Evap.Temp.	00.0°C

Driver 1	Id
Cond.Press.	20.0bar
Cond.Temp.	00.0°C

D1 battery state	Ie
DISCONNECTED	
R 00.0ohm	
V 00.0V	Cap 000%

Firmware version	Ik
	H.W. S.W.
Driver 1	000 000
Driver 2	--- ---

PROG

Insert user password	P0
	1234

Summer temperat. setpoint limits	P1
Low	05.0°C
High	10.0°C

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Regolat.temperat.	P3
Type	OUTLET

Outlet regulation	P5
force off	
Summer	04.0°C
Winter	47°C

Temperature band	P6
	03.0°C

Modulation band	P7
Neutral zone	01.0°C

Time between main pump/fan and comp. start	P8
	030s

Delay on switching the main pump off	P9
	030s

Dig input remote on / off	Pa
Master remote on/off type	Y UNIT ON/OFF

Supervisory remote on / off	PI
	N

Dig input remote Summer / Winter	Pb
Supervisory remote Summer / Winter	N
	N

Y for heat pumps

Show language mask at start-up	Pc
	N

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Supervisor System	Pj
Identificat.No.:	001
Speed:	19200
Protocol Type:	Carel

Insert	Pk
another user	
Password	1234

MENU+PROG

Insert	Z0
manufacturer	
password	1234

CONFIGURATION	enter
Parameters	
Carel EXV Drivers	
Timing	

CONFIGURATION

Unit conf.: 03	C1	05 for heat pumps
WATER/WATER		
CHILLER.		

Probes enable	C2
B1: Y B2: Y B3: Y	
B4: N B5: Y B6: Y	
B7: Y B8: Y	

Analog. Inputs 1-2	C5
Type	
0-5 V	

Discharge temp.	C6
probe tipe	Ntc

High press.probe	C7
configuration	
Min value	00.0bar
Max value	34.5bar

Low press.probe	
configuration	
Min value	00.0bar
Max value	34.5bar

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Enable double setpoint	C9
DISABLED	

Unit config	Ca
N. locall drivers	1
N. comp	1
Comp.rotation	N

Comp config.	Cb
Type of unloads	MOD
Stages per comp	-

Enable start restrictions	Cc
N	

Standby config.	Ci
Relé 6	OFF
Relé 7	OFF

Decrement config.	Cj
Relé 6	ON
Relé 7	OFF

Increment config.	Ck
Relé 6	OFF
Relé 7	ON

Modulation conf.	C1
Pulse period	04s
Min pulse D.	01.5s
Max pulse D.	03.0s

Modulation conf.	Cm
Derivation time	002s
Min pulse I.	01.5s
Max pulse I.	03.0s

Modulation conf.	Cn
Time force decr. for start compress.	020s

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	Enable force solenoid ON with compressor OFF	Co Y
	Pump down config. Enable Maximum time	Cp N 000s
	Compressor Safety unloader step configuration MINIMUM POWER	Cq
	Clock board DISABLED	Cs
Parameters	Prev. high cond. PRESSURE Setpoint Diff.	Y G1 23.0bar 02.0bar
	Dischage temp. prevent Setpoint Diff.	G2 N ---- °C ---- °C
	Freeze prevent Setpoint Diff.	G3 04.0°C 01.0°C
	Enable of serious alarm Enable phase alarm	G6 Y Y
	Enable evaporator flow alarm Enable condensator flow alarm	G7 Y N
	Discharge temp. alarm Setpoint Diff.	G8 110.0°C 05.0°C

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Trasducer high pressure alarm	G9
Setpoint	24.0bar
Diff.	02.0bar

Trasducer low pressure alarm	Ga
Setpoint	02.0bar
Diff.	01.5bar

Low differential pressure alarm	Gb
Setpoint	----bar
Start up delay	----s

Antifreeze alarm	Ge
Setpoint	03.0°C
Diff.	01.0°C

Antifreeze alarm	Gf
If antifreeze alarm MAIN PUMP ON	

Pumps status with evap-cond flow alarm	Gk
PUMPS ON	

Electrovalve management	Gg
Setpoint	080.0°C
Diff.	10.0°C

Antifreeze heater	Gh
Setpoint	05.0°C
Diff.	01.0°C

Carel EXV Drivers

Manuf.	D:1	F0
Valve type SPORLAN SE150-SEH250		
Battery presence		Y

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Manuf.	D:1	F1
Circuit/EEV Ratio		60,0%

Manuf.	D:1	F4
SHeat setp.		04.0°C
Dead zone		0.0°C

Manuf. CH	D:1	F7
Prop. Factor		80.0
Int. factor		030s
Diff. Factor		005s

Manuf. CH	D:1	Fa
Low Sheat protection		
Low limit		-05.0°C
Integral time		01.0s

Manuf. COMM-CH		Fd
LOP protection		
LOP limit		-05.0°C
Integral time		04.0s

Manuf. COMM-CH		Fg
MOP limit		12.0°C
Integral time		04.0s
Start-up delay		030s

Manuf. COMM-CH		Fj
Hi Tcond.protection		
HiTcond limit		65.0°C
Integral time		04.0 s

Manuf. COMM-CH		Fm
Suction temperature		
high limit		030.0°C

Manuf. COMM		Fp
Refrigerant		R407C

Manuf. COMM		Fv
Evap. Pressure probe		
Min value		00.0bar
Max value		10.0bar

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Manuf. COMM	Fw
Alarms delay	
Low Sheat	0720s
High Tsuct	0720s

Manuf. COMM	Fx
Alarms delay	
LOP	0720s
MOP	0720s

Require driver	Fz
Stage 1	33%
Stage 2	%

Timing

Evaporat.flow	T0
alarm delays	
Startup delay	03s
Run delay	00s

Low pressure	T2
alarm delays	
Startup delay	040s
Run delay	040s

Oil level alarm	T3
delay	
Startup delay	120s
Run delay	010s

Comp config.	T4
T.Star/Line	100s/100
T.Star	001s/100
T.Star/Delta	001s/100

Time to reach the	T5
min. power	0060s
Minimum comp	
power-off time	0240s

Time to reach the	T6
max power	0360s
Min time betw. same	
comp.starts	0360s

Time SOL/S1	0000s	T7
Time S1/S2	----	s
Time S2/S3	----	s
Time S3/S4	----	s

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Delay to reach to the normal working	T8 000m
Unloader time	0000s

MAINT

Hour counter	A0
Pump evap.	000000
Pump cond.	000000

Hour counter	A1
Compressor	000000

Alarm history	A2
AL000 00:00 00/00/00	
T.In 00.0 T.out 00.0	
HP 00.0 Lp 00.0	

Insert maintenance password	A3
	1234

Evapor. Pump hour counter	A4
Threshold	010x1000
Req.reset	000000

Condens. Pump hour counter	A5
Threshold	000x1000
Req.reset	000000

Compressor hour counter	A6
Threshold	000x1000
Req.reset	000000

Inputs probes offset	A7
B1: 0.0 B2: 0.0	
B3: 0.0 B4: ---	

Inputs probes offset	A8
B5: --- B6: ---	
B7: 0.0 B8: 0.0	

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Compressor	A9
enable	
C1: S C2:N C3:N C4:N	

Manual mng.	D:1	Ab
EEV position		AUTO
Steps opening		0000
Position		0000

Driver 1 status	Ad
NO WARNINGS	

Insert	Af
another maintenance	
password	
	1234