Appendix A

n°	Para meter	Description	Dec	Range	Default	Protection
1	SPL	Minimum Set Point value	0	From –99.9 to SPH E.U.	-99	Protected
2	SPH	Maximum Set Point value	0	From SPL to 999 E.U.	999	Protected
3	SP1	Set point	0	From SPL to SPH E.U.	0	Not Protected
4	SP2	Second Set Point	0	From SPL to SPH E.U.	0	Not Protected
5	AL	Alarm threshold	0	From – 99.9 to 999 E.U.	0	Protected
6	tun	Autotuning		ALL = Performed at every start up onE = Performed at the first start up ub = Performed when U key is pressed	onE	Protected
7	Pb	Proportional Band	0	From 1 to 200 E.U.	50	Protected
8	ti	Integral time	0	From 1 to 999 seconds and OFF	100	Protected
9	td	Derivative time	0	From 0 (OFF) to 200 seconds	25	Protected
10	SEn	Input type F type		JC = Thermocouple J with visualization in °C CA.C = Thermocouple K with visualization in °C JF = Thermocouple J with visualization in °F CA.F = Thermocouple K with visualization in °F	J.C	Protected
		A type		Pt.C = RTD PT 100 with visualization in °C Pt.F = RTD PT 100 with visualization in °F	Pt.C	
		T type		nC.C = NTC with visualization in °C PC.C = PTC with visualization in °C nC.F = NTC with visualization in °F PC.F = PTC with visualization in °F P1C = RTD PT 1000 with visualization in °C P1C = RTD PT 1000 with visualization in °F	nC.C	
11	DP	Decimal point		YES = Auto-ranging visualization no = Visualization without decimal point	no	Protected
12	CA	Offset on the displayed value	0	From -300 to 300 E.U.	0	Protected
13	Ft	Filter on the displayed value	0	From 0 (OFF) to 20 seconds	0	Protected
14	01F	Out 1 function		H.rE = PID control with heating action C.rE = PID control with cooling action on.H = ON/OFF control with heating action on.C = ON/OFF control with cooling action	HrE	Protected
15	tr1	Out 1 cycle time	0	From 1 to 250 seconds	30	Protected

n°	Para meter	Description	Dec	Range	Default	Protection
16	o2F	Out 2 function When o1F = H.rE or C.rE		no = Not used HAL = Absolute high alarm LAL = Absolute low alarm b.AL = Band alarm (simmetric to the set point) dHA = Deviation high alarm dLA = Deviation low alarm		Protected
		When o1F = on.H or on.C		no = Not used HAL = Absolute high alarm LAL = Absolute low alarm b.AL = Band alarm (simmetric to the set point) dHA = Deviation high alarm dLA = Deviation low alarm SP.C = SP2 - ON /OFF control with cooling action SP.H = SP2 - ON /OFF control with heating action nr = neutral zone		
17	d1	Out 1 hysteresis or neutral zone	0	From 1 to 999 E.U.	1	Protected
18	d2	Out 2 hysteresis	0	From 1 to 999 E.U.	1	Protected
19	ALF	Alarm function		AL = Automatic reset Alarm AL.n = Latched Alarm AL.A = Aknowledgeable Alarm	AL	Protected
20	ALt	Inhibition time of the alarm at the start up or after a change of set point	0	From 0 (OFF) to 9.59 HH.mm	0	Protected
21	Pct	Compressor protection time	0	From 0 (OFF) to 9.59 HH.mm	0	Protected
22	Sst	Soft start time	0	From 0 (OFF) to 9.59 HH.mm	0	Protected
23	SSP	Power during Soft Start	0	From 0 to 100%	0	Protected
24	UbF	U key function		no = No function Tun = It activates the manual tuning Sb = Stand-by mode Sb.o = Stand-By mode with display off	tun	Protected
25	PP	Parameters protection Password	0	From 1 to 999	0	Protected
26	Lo	Key lock time out	0	From 0 (key lock disabled) to 30 minutes	0	Protected