Registers Modbus

address	menu	Parameter name	type	unit	R/W
	SYS	**System**			
4001h	SnC	Working modes	Int16		R/W
4002h	SET	Regulation setpoint	Int16	0.1 °C	R/W
4003h	SnH	Regulation differential	Int16	0.1 °C	R/W
4004h	SEC	Economy mode	Int16		R/W
4005h	SES	Economy mode setpoint	Int16	0.1 °C	R/W
4006h	SEH	Economy mode differential	Int16	0.1 °C	R/W
4007h	SHS	Maximum volume of setpoint	Int16	0.1 °C	R/W
4008h	SLS	Minimum volume of setpoint	Int16	0.1 °C	R/W
4009h	SPr	Filing time	Int16	sec	R/W
400Ah	Sur	Vacuum time	Int16	sec	R/W
400Bh	SuP	Vacuum pressure	Int16	0.1 bar	R/W
400Ch	SoH	Refrigerant superheat setpoint	Int16	0.1 K	R/W
400Dh	SP	Coefficient P	Int16	0.1	R/W
400Eh	SI	Coefficient I	Int16		R/W
400Fh	LoP	Minimum working pressure	Int16	0.1 bar	R/W
4010h	HoP	Maximum working pressure	Int16	0.1 bar	R/W
4011h	DIn	Configuration of digital input DIN	Int16		R/W
4012h	DCC	Contact configuration of digital input DIN	Int16		R/W
4013h	Dit	Time response on signal from digital DIN	Int16	sec	R/W
4014h	AdR	Address in Modbus Network	Int16		R
4015h	SPd	Speed in Modbus Network	Int16		R
4016h	dIS	Display	Int16		R/W
4017h	St1	Calibration of temperature probe on evaporator	Int16	0.1 °C	R/W
4018h	St2	Calibration of temperature probe in cold-room	Int16	0.1 °C	R/W
4019h	St3	Calibration of outflow temperature probe	Int16	0.1 °C	R/W
401Ah	St4	Calibration of inflow temperature probe	Int16	0.1 °C	R/W
401Bh	SP4	Calibration of pressure probe	Int16	0.1 bar	R/W
401Ch	SPt	Type of inlet probe AIN4	Int16		R/W
401Dh	SPL	Lower measurement limit of pressure probe	Int16	0.1 bar	R/W
401Eh	SPH	Upper measurement limit of pressure probe	Int16	0.1 bar	R/W
401Fh	SPF	Refrigerant type	Int16		R/W
4020h	FnC	Programming key “FNC”	Int16		R/W
4021h	LOC	Blocking keyboard	Int16		R/W
	COP	**Compressor**			
4022h	CFS	First run delay	Int16	sec	R/W
4023h	COn	Minimum working time	Int16	sec	R/W
4024h	COF	Minimum stop time	Int16	sec	R/W
4025h	CCO	Turning cycling	Int16	sec	R/W
	Fan	**Fan**			
4026h	FOC	Operating together with ERV	Int16		R/W
4027h	FCt	Control evaporation temperature	Int16		R/W
4028h	FOn	Temperature of turning OFF	Int16	0.1 °C	R/W
4029h	FFH	Differential of turning OFF	Int16	0.1 °C	R/W
	ERU	**ERV**			
402Ah	EPR	Period	Int16	sec	R/W
402Bh	ELL	Minimum on/off rate of ERV	Int16	%	R/W
402Ch	EHL	Minimum on/off rate of ERV	Int16	%	R/W
402Dh	ESL	Starting state	Int16	%	R/W
	dEF	**Defrost**			
402Eh	dOH	Delay of first defrost	Int16	min	R/W
402Fh	dPr	Defrost interval	Int16	10 min	R/W

4030h	ddR	Duration of defrost	Int16	min	R/W
4031h	dt	Finish defrost temperature	Int16	0.1 °C	R/W
4032h	dnC	Defrost mode	Int16		R/W
4033h	dSC	Start from defrost after turning on	Int16		R/W
4034h	ddF	Fan delay time	Int16	sec	R/W
4035h	dd	Period of dropping (flow down of drops)	Int16	min	R/W
4036h	dFt	Defrost depending on evaporation probe	Int16		R/W
4037h	dFd	Fan working during defrost	Int16		R/W
4038h	dId	Indication during defrost	Int16		R/W
	ACC	**Access**			
4039h	Pr1	First level access password	Int16		R/W
403Ah	Pr2	Second level access password	Int16		R/W
403Bh	rST	Reset to default settings	Int16		R/W
	ALr	**Alarm**			
403Ch	AHS	Temperature excess over setpoint	Int16	°C	R/W
403Dh	ALS	Temperature drop lower setpoint	Int16	°C	R/W
403Eh	AdS	Time of delay excess/drop of temperature	Int16	min	R/W
403Fh	ASt	Runtime till standard mode	Int16	0.1 h	R/W
4040h	ALO	Minimum superheat	Int16	0.1 K	R/W
4041h	AHO	Maximum superheat	Int16	0.1 K	R/W
4042h	AOt	Waiting time for superheat	Int16	min	R/W
4043h	APn	Minimum pressure	Int16	0.1 bar	R/W
4044h	APT	Waiting time for minimum pressure	Int16	sec	R/W
		Current indicators			
4045h	tEp	Evaporator temperature	Int16	0.1 °C	R
4046h	tCh	Cold-room temperature	Int16	0.1 °C	R
4047h	tIn	Outlet temperature	Int16	0.1 °C	R
4048h	tOu	Inlet temperature	Int16	0.1 °C	R
4049h	Pin	Pressure	Int16	0.01 bar	R
404Ah	Eru	ERV duty cycle	Int16	%	R
404Bh	tOH	Overheat	Int16	0.1 K	R
404Ch		Digital input status	Int16		R
404Dh		Eco Mode Operation	Int16		R
404Eh		System status	Int16		R
404Fh		Compressor activity	Int16		R
4050h		Fan activity	Int16		R
4051h		Defrost heater activity	Int16		R
4054h		General Alarm Register	Int16		R
4055h		Alarm A1	Int16		R
4056h		Alarm A2	Int16		R
4057h		Alarm A3	Int16		R
4058h		Alarm A4	Int16		R
4059h		Alarm A5	Int16		R
405Ah		Alarm A6	Int16		R
405Bh		Alarm A7	Int16		R
405Ch		Alarm A8	Int16		R
405Dh		Alarm A9	Int16		R
405Eh		Alarm A10	Int16		R
405Fh		Alarm A11	Int16		R
4060h		Advanced System Status	Int16		R
4067h		Software version	Int16	0.01	R

Bit masks for general alarm register (4054h)

Alarm1	0b00000001000
Alarm2	0b00000000001
Alarm3	0b00000000100
Alarm4	0b00000000010
Alarm5	0b00000010000
Alarm6	0b00000100000
Alarm7	0b00001000000
Alarm8	0b00010000000
Alarm9	0b00100000000
Alarm10	0b01000000000
Alarm11	0b10000000000

System status (404Eh)

0 – stop (10)
1 – work (1,2,3,5,6,12,14,16,18,20,22,24,26,28,30)
3 – defrost (50,52,54,56,58,60)
4 – alarm stop (0)