

Code		Alarm text	Comment
Text	Hex		
1B	1	Low supply air flow	Supply flow not reaching 80% of setpoint in normal mode or 95% of setpoint while calibrating VAV
2B	2	Low extract air flow	Extract flow not reaching 80% of setpoint in normal mode or 95% of setpoint while calibrating VAV
3B	3	VAV calibration fail	Both VAV sensors values are out of allowed range (3..9V)
4B	4	Change outdoor air filter	Outdoor air filter impurity level reached 100%
5B	5	Change extract air filter	Extract air filter impurity level reached 100%
6B	6	Electric heater off	Heater overheat (TK70)
7B	7		Heater radiator overheat (TK60)
8B	8		Heater(Zone1) overheat (TK70)
9B	9		Heater(Zone1) radiator overheat (TK60)
10B	A		Heater(Zone2) overheat (TK70)
11B	B		Heater(Zone2) radiator overheat (TK60)
12B	C	High pressure on compressor	
13B	D	Low pressure on compressor	
14B	E	Service time	
15B	F	Evaporator icing	Heat pump evaporator icing and can't be defrosted
16B	10	Compressor failure	Compressor 1
17B	11		Compressor 2
18B	12		Compressor 3
19B	13	Compressor off	Heatpump can't start due to too low air flow
20B	14		Heatpump can't start due to too low air temperature
21B	15		
22B	16		
23B	17		Defrost procedure stop for max time
24B	18		Probe U3 broken or disconnected
25B	19		Probe U4 broken or disconnected
26B	1A		Probe U5 broken or disconnected
27B	1B		Probe U6 broken or disconnected
28B	1C		Probe U8 broken or disconnected
29B	1D		Low SH alarm circ.1
30B	1E		LOP alarm circuit 1
31B	1F		MOP alarm circuit 1
32B	20		Low suction temp. circuit 1
33B	21		High discharge press. circuit 1
34B	22		Low suction pressure circuit 1
35B	23		Low pressure circ.1 by pressostat
36B	24		High pressure circ.1 by pressostat
37B	25		Maintenance request compressor 1 circui 1
38B	26		Pumpdown end for max time circuit 1
39B	27		Error BLDC management circuit 1
40B	28		High discharge temp. circuit 1
41B	29		Alarm delta pressure circuit 1
42B	2A		Start failure BLDC circuit 1
43B	2B		Envelope alarm circuit 1
44B	2C		Offline Power+ circuit 1
45B	2D		Alarm Power+ circuit 1
46B	2E		Probe S1 EVD circ.2 broken or disconnected
47B	2F		Probe S2 EVD circ.2 broken or disconnected

48B	30		Probe S3 EVD circ.2 broken or disconnected
49B	31		Probe S4 EVD circ.2 broken or disconnected
50B	32		Low SH alarm circ.2
51B	33		LOP alarm circuit 2
52B	34		MOP alarm circuit 2
53B	35		ExV motor alarm circuit 2
54B	36		Low suction temp. circuit 2
55B	37		Battery alarm EVD circuit 2
56B	38		EEPROM EVD alarm circuit 2
57B	39		Firmware EVD circ.2 not ok
58B	3A	Compressor off	Configuration error EVD circuit 2
59B	3B		Offline EVD circ.2
60B	3C		High discharge press. circuit 2
61B	3D		Low suction pressure circuit 2
62B	3E		Low pressure circ.2 by pressostat
63B	3F		High pressure circ.2 by pressostat
64B	40		Maintenance request compressor 1 circui 2
65B	41		Pumpdown end for max time circuit 2
66B	42		Error BLDC management circuit 2
67B	43		High discharge temp. circuit 2
68B	44	Alarm delta pressure circuit 2	
69B	45	Envelope alarm circuit 2	
70B	46		Probe S1 EVD circ.3 broken or disconnected
71B	47		Probe S2 EVD circ.3 broken or disconnected
72B	48		Probe S3 EVD circ.3 broken or disconnected
73B	49		Probe S4 EVD circ.3 broken or disconnected
74B	4A		Low SH alarm circ.3
75B	4B		LOP alarm circuit 3
76B	4C		MOP alarm circuit 3
77B	4D		ExV motor alarm circuit 3
78B	4E		Low suction temp. circuit 3
79B	4F		Battery alarm EVD circuit 3
80B	50		EEPROM EVD alarm circuit 3
81B	51		Firmware EVD circ.3 not ok
82B	52		Configuration error EVD circuit 3
83B	53		Offline EVD circ.3
84B	54		High discharge press. circuit 3
85B	55		Low suction pressure circuit 3
86B	56		Low pressure circ.3 by pressostat
87B	57		High pressure circ.3 by pressostat
88B	58		Maintenance request compressor 1 circui 2
89B	59		Pumpdown end for max time circuit 3
90B	5A		Error BLDC management circuit 3
91B	5B		High discharge temp. circuit 3
92B	5C		Alarm delta pressure circuit 3
93B	5D		Envelope alarm circuit 3
94B	5E		Carel module configuration sequence was not completed

127B	7F	Service mode	I/O override or pressure lock function is active
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1A	80	Supply air temp. sensor failure	B1 Open circuit
2A	81		B1 Short circuit
3A	82	Extract air temp. sensor failure	B2 Open circuit
4A	83		B2 Short circuit
5A	84	Outdoor air temp. sensor failure	B3 Open circuit
6A	85		B3 Short circuit
7A	86	Exhaust air temp. sensor failure	B4 Open circuit
8A	87		B4 Short circuit
9A	88	Water temp. sensor failure	B5 Open circuit
10A	89		B5 Short circuit
11A	8A	Return water temp. low	
12A	8B	Internal fire alarm	Supply air temp. exceeding +70C or extract air temp. exceeding +50C
13A	8C	External fire alarm	External fire system
14A	8D	External stop	External alarm input
15A	8E	Heat exchanger failure	Heat exchanger efficiency is too low
16A	8F	Heat exchanger icing	
17A	90	Low supply air temperature	Supply air temp drops bellow +5C
18A	91	High supply air temperature	Supply air temp. exceeding +45C (10min)
19A	92	Low supply air flow	Supply flow not reaching 30% of setpoint
20A	93	Low extract air flow	Extract flow not reaching 30% of setpoint
21A	94	Electric heater overheat	Heater TK100
22A	95		Heater(Zone1) TK100
23A	96		Heater(Zone2) TK100
24A	97	Evaporator air temp. sensor failure	B11 Open circuit
25A	98		B11 Short circuit
26A	99	Evaporator coil temp. sensor failure	B12 Open circuit
27A	9A		B12 Short circuit
28A	9B	Compressor failure	Compressor 1
29A	9C		Compressor 2
30A	9D		Compressor 3
31A	9E	Supply air temp. sensor failure	Open circuit (Zone1)
32A	9F		Short circuit (Zone1)
33A	A0		Open circuit (Zone2)
34A	A1		Short circuit (Zone2)
35A	A2	Water temp. sensor failure	Open circuit (Zone1)
36A	A3		Short circuit (Zone1)
37A	A4		Open circuit (Zone2)
38A	A5		Short circuit (Zone2)
39A	A6	Return water temp. low	Zone1
40A	A7		Zone2
41A	A8	Supply air temp. sensor failure	B14 Open circuit
42A	A9		B14 Short circuit
43A	AA	External stop	Zone1
44A	AB		Zone2
89A	D8	Communication error	Carel module not responding to modbus requests
90A	D9	Service mode	
91A	DA	Controller failure	Too low 24V supply voltage
92A	DB		Too high 24V supply voltage
93A	DC		Supply fan C5_VM module
94A	DD		Exhaust fan C5_VM module
95A	DE		EI. Heater C5_PM module

96A	DF		Heat pump C5_PM module
97A	E0		Zone1 C5_PM module
98A	E1		Zone2 C5_PM module
99A	E2	Supply fan drive failure	
100A	E3	Supply fan drive overload	(Lenze: F_AF)
101A	E4	Supply fan motor failure	(Lenze: F_rF, F_OF1)
102A	E5	Supply fan motor overload	(Lenze: F_EF), Overheat
103A	E6		(Lenze: F_PF, F_OF), Overcurrent
104A	E7	Exhaust fan drive failure	
105A	E8	Exhaust fan drive oveload	(Lenze: F_AF)
106A	E9	Exhaust fan motor failure	(Lenze: F_rF, F_OF1)
107A	EA	Exhaust fan motor overload	(Lenze: F_EF), Overheat
108A	EB		(Lenze: F_PF, F_OF), Overcurrent
109A	EC	Rotor drive failure	
110A	ED	Rotor drive overload	
111A	EE	Rotor motor failure	
112A	EF	Rotor motor overload	
113A	F0		
114A	F1	Communication error	Supply fan C5_VM module
115A	F2		Exhaust fan C5_VM module
116A	F3		EI. Heater C5_PM module
117A	F4		Heat pump C5_PM module
118A	F5		Zone1 C5_PM module
119A	F6		Zone2 C5_PM module
120A	F7		Supply drive (Lenze modbus)
121A	F8		Exhaust drive (Lenze modbus)
122A	F9		Supply drive2 (Lenze modbus)
123A	FA		Exhaust drive2 (Lenze modbus)
124A	FB		Rotor drive
125A	FC	Controller failure	Internal pressure sensors (C5_DP)
126A	FD		C5 Analog circuit (auto-calibration, multiplexer)
127A	FE		C5 Digital circuit (EEPROM, flash)