GOLD

Air Handling Unit

Manual for alarms and information messages

GOLD RX/PX/CX/SD version G

Applicable to Program Version 3.01 and newer versions

Swegon

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The document was originally written in Swedish.

We reserve the right to alter specifications without notice.

1. Alarm Descriptions with Factory Settings

Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
Alarm group 1: Fire alarm					
1:1	1	EXTERNAL FIRE ALARM NO. 1 TRIPPED For the fire protection function connected to terminals 6-7. Reset on units for the fire protection function. 3 second alarm delay	A[1)]	1	0
1:2	2	EXTERNAL FIRE ALARM NO. 2 TRIPPED For the fire protection function connected to terminals 8-9. Reset on units for the fire protection function. 3 second alarm delay.	A[1)]	1	0
1:3	3	INTERNAL FIRE ALARM TRIPPED The air handling unit's supply air sensor measures more than 70 °C (factory default) and/or the air handling unit's extract air temperature sensor/room temperature sensor/external extract air temperature sensor measures more than 45 °C (Factory default). The function must be activated manually. With the function activated, and if the supply air or extract air sensor is defective, the internal fire alarm is activated. 3 second alarm delay.	A[1)]	1	0
Alarm group 2: External alarm					
2:1	16	EXTERNAL ALARM NO. 1 TRIPPED External alarm, connected to control unit terminals 10-11, has tripped. 10 seconds factory set alarm delay (adjustable 1-600 s).	A	1[3)]	0
2:2	17	EXTERNAL ALARM NO. 2 TRIPPED External alarm, connected to control unit terminals 12-13, has tripped. 10 seconds factory set alarm delay (adjustable 1-600 s).	B	0[3)]	0
Alarm group 3: Pre-heating					
3:1	31	PRE-HEAT, I/O MODULE NO. 9 COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communications with I/O module No. 9 for pre-heating. Check that the function selector switch on the I/O module is set to position 9 and that the cable is connected to COM 1-3 on the IQlogic controller. 10 second alarm delay.	A	0[3)]	1
3:2	32	PRE-HEATING, OVERHEATING PROTECTION TRIPPED OR NO SUPPLY VOLTAGE TO THE ELECTRICAL HEATER The overheating protection has tripped or there is no supply voltage to the electrical heater. Check that there is air flow across the air heater. Reset the overheating protection on the electric air heater. 10 second alarm delay	A[1)]	0[3)]	0
3:3	33	PRE-HEAT, FROST GUARD TRIPPED The frost guard temperature sensor reading is below the set alarm limit. Factory setting: 7 °C. 5 second alarm delay	A[1)]	1	0
3:4	34	PRE-HEAT, FROST GUARD TEMPERATURE SENSOR DEFECTIVE Frost guard temperature sensor is defective or is not connected. 3 second alarm delay.	A[1)]	1	1
3:5	35	PRE-HEAT, TEMPERATURE SENSOR DEFECTIVE Sensor is defective or is not connected. Check terminal connections 9-10 and the sensor's polarity on I/O-module No. 9. 3 second alarm delay.	A	0[3)]	1

Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
3:6	36	PRE-HEAT, VALVE MONITORING TRIPPED Valve actuator, air heater, water. The valve actuator's response signal deviates from the outgoing control signal. 10 minute alarm delay.	A	0[3)]	0
3:7	37	PRE-HEAT, TEMPERATURE BELOW SET POINT ALARM LIMIT The temperature has been below the setpoint with the set alarm limit (factory default 5K) for more than 20 minutes.	A	0[3)]	0
3:8	38	PRE-HEAT, ALARM INPUT TRIPPED Alarm input pre-heat has tripped. Check terminal connections 17-18 on I/O-module No. 9. 20 second alarm delay.	A	0	0
Alarm group 4: Extra regulation sequence					
4:1	46	EXTRA REGULATION SEQUENCE 1, I/O-MODULE NO. E COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communications with I/O module No. E for extra regulation sequence. Check that the function selector switch on the I/O module is set to position E and that the cable is connected to COM 1-3 on the IQlogic controller. 10 second alarm delay.	A	0[3)]	1
4:2	47	EXTRA REGULATION SEQUENCE 1, ELECTRICAL HEATER OVERHEAT PROTECTION TRIPPED OR SUPPLY VOLTAGE MISSING The overheating protection has tripped or there is no supply voltage to the electrical heater. 10 second alarm delay.	A[1)]	0[3)]	0
4:3	48	EXTRA REGULATION SEQUENCE 1, FROST PROTECTION TRIPPED The frost guard temperature sensor reading is below the set alarm limit. Factory setting: 7°C. 5 second alarm delay.	A[1)]	1	0
4:4	49	EXTRA REGULATION SEQUENCE 1, FROST PROTECTION TEMPERATURE SENSOR DEFECTIVE Frost guard temperature sensor is defective or is not connected. 3 second alarm delay.	A[1)]	1	1
4:5	50	EXTRA REGULATION SEQUENCE 1, VALVE MONITORING TRIPPED Valve actuator, air heater, water. The valve actuator's response signal deviates from the outgoing control signal. 10 minute alarm delay.	B	0[3)]	0
4:6	51	EXTRA REGULATION SEQUENCE 1, ALARM INPUT TRIPPED Alarm input extra regulation sequence has tripped. Check terminal connections 19-20 on I/O-module E. 20 second alarm delay.	A	0	0
4:7	52	EXTRA REGULATION SEQUENCE 1, TEMPERATURE PROTECTION FROM COMMUNICATION ERROR The air handling unit's control unit does receive the temperature via the external communications interface within the set time limit. 5 minute alarm delay.	B	0	1
4:8	53	EXTRA REGULATION SEQUENCE 1, COMBI COIL SENSOR DEFECTIVE Supply flow temperature sensor to the combi coil is defective or not connected. Check terminal connections 9-10 and the sensor's polarity on I/O-module E. 3 second alarm delay.	A	1	1

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Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
4:9	54	EXTRA REGULATION SEQUENCE 2, I/O-MODULE NO. F COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communications with I/O module No. F for extra regulation sequence. Check that the function selector switch on the I/O module is set to position F and that the cable is connected to COM 1-3 on the IQlogic controller. 10 second alarm delay.	A	0[3)]	1
4:10	55	EXTRA REGULATION SEQUENCE 2, OVERHEATING PROTECTION TRIPPED OR NO SUPPLY VOLTAGE TO THE ELECTRICAL HEATER The overheating protection has tripped or there is no supply voltage to the electrical heater. Check that there is air flow across the air heater. Reset the overheating protection on the electric air heater. 10 second alarm delay.	A[1)]	0[3)]	0
4:11	56	EXTRA REGULATION SEQUENCE 2, FROST PROTECTION TRIPPED The frost guard temperature sensor reading is below the set alarm limit. Factory setting: 7°C. 5 second alarm delay.	A[1)]	1	0
4:12	57	EXTRA REGULATION SEQUENCE 2, FROST PROTECTION TEMPERATURE SENSOR DEFECTIVE Frost guard temperature sensor is defective or is not connected. 3 second alarm delay.	A[1)]	1	1
4:13	58	EXTRA REGULATION SEQUENCE 2, VALVE MONITORING TRIPPED Valve actuator, air heater, water. The valve actuator's response signal deviates from the outgoing control signal. 10 minute alarm delay.	B	0[3)]	0
4:14	59	EXTRA REGULATION SEQUENCE 2, ALARM INPUT TRIPPED Alarm input extra regulation sequence has tripped. Check terminal connections 19-20 on I/O-module F. 20 second alarm delay.	A	0	0
4:15	60	EXTRA REGULATION SEQUENCE 2, COMBI COIL SENSOR DEFECTIVE Supply flow temperature sensor to the combi coil is defective or not connected. Check terminal connections 9-10 and the sensor's polarity on I/O-module F. 3 second alarm delay.	A	1	1
Alarm group 5: Reheating					
5:1	61	RE-HEAT, ELECTRICAL HEATER OVERHEATING PROTECTION TRIPPED OR SUPPLY VOLTAGE MISSING The overheating protection has tripped or there is no supply voltage to the electrical heater. Check that there is air flow across the air heater. Reset the overheating protection on the electric air heater. 10 second alarm delay.	A[1)]	0[3)]	0
5:2	62	REHEAT, FROST GUARD TRIPPED The frost guard temperature sensor reading is below the set alarm limit. Factory setting: 7°C. 5 second alarm delay.	A[1)]	1	0
5:3	63	REHEAT, FROST GUARD TEMPERATURE SENSOR DEFECTIVE Frost guard temperature sensor is defective or is not connected. 3 second alarm delay.	A[1)]	1	1

Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
5:4	64	REHEAT, VALVE MONITORING TRIPPED Valve actuator, air heater, water. The valve actuator's response signal deviates from the outgoing control signal. 10 minute alarm delay.	B	0[3)]	0
5:5	65	RE-HEATING, ALARM INPUT TRIPPED Alarm input reheating has tripped. The alarm input is selected on one of the I/O-modules No 3 or 6 digital inputs. Check terminal connections 17-18 or terminal connections 19-20. 20 second alarm delay.	A	0	0
Alarm group 6: Xzone I/O-module no. A					
6:1	76	Xzone, I/O-MODULE NO. A COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communications with I/O module No. A for Xzone. Check that the function selector switch on the I/O module is set to position A and that the cable is connected to COM 1-3 on the IQlogic controller. 10 second alarm delay.	A	0[3)]	1
6:2	77	Xzone, OVERHEATING PROTECTION TRIPPED OR NO SUPPLY VOLTAGE TO THE ELECTRICAL HEATER The overheating protection has tripped or there is no supply voltage to the electrical heater. Check that there is air flow across the air heater. Reset the overheating protection on the electric air heater. 10 second alarm delay.	A[1)]	0[3)]	0
6:3	78	Xzone, FROST GUARD TRIPPED The frost guard temperature sensor reading is below the set alarm limit. Factory setting: 7°C. 5 second alarm delay.	A[1)]	1	0
6:4	79	Xzone, FROST GUARD TEMPERATURE SENSOR DEFECTIVE Frost guard temperature sensor is defective or is not connected. 3 second alarm delay.	A[1)]	1	1
6:5	80	Xzone, SUPPLY AIR TEMPERATURE SENSOR DEFECTIVE Supply air sensor is defective or is not connected. Check terminal connections 9-10 and the sensor's polarity on I/O-module A. 3 second alarm delay.	A	1[3)]	1
6:6	81	Xzone, HEATING VALVE MONITORING TRIPPED Valve actuator, air heater, water. The valve actuator's response signal deviates from the outgoing control signal. 10 minute alarm delay.	B	0[3)]	0
6:7	82	Xzone, SUPPLY AIR TEMPERATURE BELOW SET POINT ALARM LIMIT The supply air temperature has been below the setpoint (for ERS and supply air regulation) or Min SA temp. (for extract air regulation) with the set alarm limit (factory default 5K) for more than 20 minutes.	A	0[3)]	0
6:8	83	Xzone, SUPPLY AIR TEMPERATURE ABOVE SET POINT ALARM LIMIT The supply air temperature has exceeded the setpoint (for ERS and supply air regulation) or Max SA temp. (for extract air regulation) with the set alarm limit (factory default 7K) for more than 20 minutes.	B	0[3)]	0
6:9	84	Xzone, HEAT, ALARM INPUT TRIPPED Alarm input Xzone heat has tripped. Check terminal connections 17-18 on I/O-module A. 20 second alarm delay.	A	0	0

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Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
6:10	85	Xzone HEATING, COMBI COIL SENSOR DEFECTIVE Supply air temperature sensor for the combi coil is defective or not connected. Check terminal connections 7-8 and the sensor's polarity on I/O-module 9. 3 second alarm delay.	A	1	1
6:11	86	Xzone HEATING, TEMPERATURE MONITOR I/O-MODULE NO. 9 COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communications with I/O-module No. 9 for Xzone. Check that the function selector switch on the I/O-module is set to position 9 and that the cable is connected to COM 1-3 on the IQlogic controller. 10 second alarm delay.	A	0	1
Alarm group 7: Xzone I/O-module no. B					
7:1	91	Xzone, I/O-MODULE NO. B COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communications with I/O module No. B for Xzone. Check that the function selector switch on the I/O module is set to position B and that the cable is connected to COM 1-3 on the IQlogic controller. 10 second alarm delay.	A	0[3)]	1
7:2	92	Xzone, EXTRACT AIR TEMPERATURE SENSOR DEFECTIVE Extract air sensor is defective or is not connected. Check terminal connections 9-10 and the sensor's polarity on I/O-module B. 3 second alarm delay.	A	1[3)]	1
7:3	93	Xzone, COOLING VALVE MONITORING TRIPPED Valve actuator, air cooler, water. The valve actuator's response signal deviates from the outgoing control signal. 10 minute alarm delay.	B	0[3)]	0
7:4	94	Xzone, EXTRACT AIR TEMPERATURE SENSOR BELOW SET POINT ALARM LIMIT The extract air temperature is below the set alarm limit for more than 20 minutes (factory default 12°C).	A	0[3)]	0
7:5	95	Xzone, COOL, ALARM INPUT 1 TRIPPED Alarm input 1 Xzone cool has tripped. Check terminal connections 17-18 on I/O-module B. 20 second alarm delay.	A	0	0
7:6	96	Xzone, COOL, ALARM INPUT 2 TRIPPED Alarm input 2 Xzone cool has tripped. Check terminal connections 19-20 on I/O-module B. 20 second alarm delay.	A	0	0
7:7	97	Xzone COOLING, COMBI COIL SENSOR DEFECTIVE The combi coil's supply air temperature sensor is defective or is not connected. Check terminal connections 5-6 and the sensor's polarity on I/O-module 9. 3 second alarm delay.	A	1	1
Alarm group 8: Cooling					
8:5	110	COOLING, VALVE MONITORING TRIPPED Valve actuator, air cooler. The valve actuator's response signal deviates from the outgoing control signal. 10 minute alarm delay.	B	0[3)]	0

Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
8:6	111	COOLING ALARM INPUT 1 TRIPPED Alarm input 1 cooling has tripped. The alarm input is selected on one of the I/O-modules No 3 or 6 digital inputs. Check terminal connections 17-18 or terminal connections 19-20. 20 second alarm delay.	A	0	0
8:7	112	COOLING ALARM INPUT 2 TRIPPED Alarm input 2 cooling has tripped. The alarm input is selected on one of the I/O-modules No 3 or 6 digital inputs. Check terminal connections 17-18 or terminal connections 19-20. 20 second alarm delay.	A	0	0
Alarm group 9: Constant exhaust air temperature					
9:1	121	CONSTANT EXHAUST AIR TEMPERATURE, COMMUNICATION ERROR I/O-MODULE NO. 4 The air handling unit's control unit cannot establish correct communication with I/O-module No. 4 for exhaust air heating. Check that the function selector switch on the I/O- module is set to position 4 and that the cable is connected to COM 1-3 on the IQlogic controller. 10 second alarm delay.	A	0	1
9:2	122	CONSTANT EXHAUST AIR TEMPERATURE, OVERHEATING PROTECTION TRIPPED OR NO SUPPLY VOLTAGE TO THE ELECTRICAL AIR HEATER Overheating protection has tripped or supply voltage to electrical air heater is missing. 10 second alarm delay.	A	0	1
9:3	123	CONSTANT EXHAUST AIR TEMPERATURE, FREEZE PROTECTION TRIPPED The read value for the freeze protection's temperature sensor is below the preset alarm limit. ⁋ Factory setting: 7°C. 5 second alarm delay.	A	1	0
9:4	124	CONSTANT EXHAUST AIR TEMPERATURE, FREEZE PROTECTION TEMPERATURE SENSOR DEFECTIVE The freeze protection's temperature sensor is defective or is not connected. 3 second alarm delay.	A	1	1
9:5	125	CONSTANT EXHAUST AIR TEMPERATURE, TEMPERATURE SENSOR DEFECTIVE The temperature sensor is defective or is not connected. Check that the sensor is connected to connections 9-10 and check the sensor's polarity on I/O-module No. 4. 3 second alarm delay.	A	0	1
9:6	126	CONSTANT EXHAUST AIR TEMPERATURE, VALVE MONITORING TRIPPED The valve actuator's response signal deviates from the outgoing control signal. 10 minute alarm delay.	B	0	1
9:7	127	CONSTANT EXHAUST AIR TEMPERATURE, TEMPERATURE BELOW SET POINT ALARM LIMIT The temperature has been below the set point's preset alarm limit (factory setting 5K) for more than 20 minutes.	A	0	1
9:8	128	CONSTANT EXHAUST AIR TEMPERATURE, ALARM INPUT TRIPPED Check connections 17-18 on I/O-module No. 4. 20 second alarm delay.	A	0	1

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Alarm group 10: AHU, internal temperature sensor					
10:1	136	SUPPLY AIR TEMPERATURE SENSOR DEFECTIVE Supply air sensor is defective or is not connected. Check that the sensor is connected to the connection marked "SA Temp" on the IQlogic controller. 3 second alarm delay.	A	1[3)]	1
10:2	137	SUPPLY AIR TEMPERATURE SENSOR FOR DENSITY COMPENSATION DEFECTIVE Supply air sensor in the supply air fan intake cannot establish correct communications or shows an incorrect value. Check that the sensor is connected to the connection on the IQlogic controller. Depending on the air direction, the sensor is connected to the connection marked "Sensor 3" (the sensor placed on the left-hand side) or "Sensor 4" (the sensor placed on the right-hand side). For GOLD RX the sensor can also be used as a temperature alarm and be placed after the supply air fan. 3 second alarm delay.	B	0[3)]	1
10:3	138	EXTRACT AIR TEMPERATURE SENSOR DEFECTIVE Extract air sensor is defective or is not connected. Check that the sensor is connected to the connection on the IQlogic controller. Depending on the air direction, the sensor is connected to the connection marked "Sensor 1" (the sensor placed on the left-hand side) or "Sensor 2" (the sensor placed on the right-hand side). 3 second alarm delay.	A	1[3)]	1
10:4	139	EXTRACT AIR TEMPERATURE SENSOR FOR DENSITY COMPENSATION DEFECTIVE (GOLD RX/PX/CX) The temperature sensor in the extract air fan intake cannot establish correct communications or shows an incorrect value. Check that the sensor is connected to the connection on the IQlogic controller. Depending on the air direction, the sensor is connected to the connection marked "Sensor 3" (the sensor placed on the right-hand side) or "Sensor 4" (the sensor placed on the left-hand side). 3 second alarm delay. GOLD RX Exhaust air regulation has been selected, but the temperature sensor in the exhaust air is defective or is not connected.	B	0[3)]	1
10:5	140	EXTRACT AIR TEMPERATURE SENSOR FOR HEAT EXCHANGER DE-FROSTING DEFECTIVE Temperature sensor, for heat exchanger defrosting is defective. Check that the sensor is connected to COM 6-11 on the IQlogic controller. 10 second alarm delay.	A	1[3)]	1
10:6	141	EXTRACT AIR TEMPERATURE SENSOR FOR DENSITY COMPENSATION IN SD AIR HANDLING UNIT DEFECTIVE The temperature sensor in the extract air fan intake cannot establish correct communications or shows an incorrect value. Check that the sensor (connected via a cable adapter) is connected correctly to COM 6-11 on the IQlogic controller. Also check the correct connection of the cable between the cable adapter. 10 second alarm delay.	A	1[3)]	1
10:7	142	EXTRACT AIR DUCT TEMPERATURE SENSOR DEFECTIVE External temperature sensor in the extract air duct is defective or is not connected. Check that the sensor is connected to COM 1-3 on the IQlogic controller. 10 second alarm delay.	A	1[3)]	1

Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
10:10	145	OUTDOOR AIR TEMPERATURE SENSOR DEFECTIVE Outdoor temperature sensor is defective or is not connected. Check that the sensor is connected to the connection on the IQlogic controller. Depending on the air direction, the sensor is connected to the connection marked "Sensor 1" (the sensor placed on the left-hand side) or "Sensor 2" (the sensor placed on the right-hand side). 3 second alarm delay.	B	0[3)]	1
Alarm group 11: External temperature sensors					
11:1	151	ROOM TEMPERATURE SENSOR NO. 1 DEFECTIVE Room temperature sensor 1 is defective or is not connected. Check that the function selector switch on the room sensor is set to position 1 and that the cable is connected to COM 1-3 on the IQlogic controller. For several connected sensors: check that the function selector switches are not set in the same position and check that the cables are connected correctly between the sensor and connection unit. 10 second alarm delay.	B	0[3)]	1
11:2	152	ROOM TEMPERATURE SENSOR NO. 2 DEFECTIVE Room temperature sensor 2 is defective or is not connected. Check that the function selector switch on the room sensor is set to position 2 and that the cable is connected to COM 1-3 on the IQlogic controller. For several connected sensors: check that the function selector switches are not set in the same position and check that the cables are connected correctly between the sensor and connection unit. 10 second alarm delay.	B	0[3)]	1
11:3	153	ROOM TEMPERATURE SENSOR NO. 3 DEFECTIVE Room temperature sensor 3 is defective or is not connected. Check that the function selector switch on the room sensor is set to position 3 and that the cable is connected to COM 1-3 on the IQlogic controller. For several connected sensors: check that the function selector switches are not set in the same position and check that the cables are connected correctly between the sensor and connection unit. 10 second alarm delay.	B	0[3)]	1
11:4	154	ROOM TEMPERATURE SENSOR NO. 4 DEFECTIVE Room temperature sensor 4 is defective or is not connected. Check that the function selector switch on the room sensor is set to position 4 and that the cable is connected to COM 1-3 on the IQlogic controller. For several connected sensors: check that the function selector switches are not set in the same position and check that the cables are connected correctly between the sensor and connection unit. 10 second alarm delay.	B	0[3)]	1
11:5	155	ROOM TEMPERATURE SENSOR NO. 5 DEFECTIVE Xzone room temperature sensor 5 is defective or is not connected. Check that the function selector switch on the room sensor is set to position 5 and that the cable is connected to COM 1-3 on the IQlogic controller. For several connected sensors: check that the function selector switches are not set in the same position and check that the cables are connected correctly between the sensor and connection unit. 10 second alarm delay.	B	0[3)]	1

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11:6	156	ROOM TEMPERATURE SENSOR NO. 6 DEFECTIVE Xzone room temperature sensor 6 is defective or is not connected. Check that the function selector switch on the room sensor is set to position 6 and that the cable is connected to COM 1-3 on the IQlogic controller. For several connected sensors: check that the function selector switches are not set in the same position and check that the cables are connected correctly between the sensor and connection unit. 10 second alarm delay.	B	0[3)]	1
11:7	157	ROOM TEMPERATURE SENSOR NO. 7 DEFECTIVE Xzone room temperature sensor 7 is defective or is not connected. Check that the function selector switch on the room sensor is set to position 7 and that the cable is connected to COM 1-3 on the IQlogic controller. For several connected sensors: check that the function selector switches are not set in the same position and check that the cables are connected correctly between the sensor and connection unit. 10 second alarm delay.	B	0[3)]	1
11:8	158	ROOM TEMPERATURE SENSOR NO. 8 DEFECTIVE Xzone room temperature sensor 8 is defective or is not connected. Check that the function selector switch on the room sensor is set to position 8 and that the cable is connected to COM 1-3 on the IQlogic controller. For several connected sensors: check that the function selector switches are not set in the same position and check that the cables are connected correctly between the sensor and connection unit. 10 second alarm delay.	B	0[3)]	1
11:9	159	OUTDOOR TEMPERATURE SENSOR NO. A DEFECTIVE Outdoor temperature sensor A is defective or is not connected. Check that the function selector switch on the sensor is set to position A and that the cable is connected to COM 1-3 on the IQlogic controller. For several connected sensors: check that the function selector switches are not set in the same position and check that the cables are connected correctly between the sensor and connection unit. 10 second alarm delay.	B	0[3)]	1
11:10	160	OUTDOOR TEMPERATURE SENSOR NO. B DEFECTIVE Outdoor temperature sensor B is defective or is not connected. Check that the function selector switch on the sensor is set to position B and that the cable is connected to COM 1-3 on the IQlogic controller. For several connected sensors: check that the function selector switches are not set in the same position and check that the cables are connected correctly between the sensor and connection unit. 10 second alarm delay.	B	0[3)]	1
11:11	161	OUTDOOR TEMPERATURE SENSOR NO. C DEFECTIVE Outdoor temperature sensor C is defective or is not connected. Check that the function selector switch on the sensor is set to position C and that the cable is connected to COM 1-3 on the IQlogic controller. For several connected sensors: check that the function selector switches are not set in the same position and check that the cables are connected correctly between the sensor and connection unit. 10 second alarm delay.	B	0[3)]	1

Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
11:12	162	OUTDOOR TEMPERATURE SENSOR NO. D DEFECTIVE Outdoor temperature sensor D is defective or is not connected. Check that the function selector switch on the sensor is set to position D and that the cable is connected to COM 1-3 on the IQlogic controller. For several connected sensors: check that the function selector switches are not set in the same position and check that the cables are connected correctly between the sensor and connection unit. 10 second alarm delay.	B	0[3)]	1
11:13	163	ROOM TEMPERATURE VIA COMMUNICATION, COMMUNICATION ERROR The air handling unit's control unit does receive the temperature via the external communications interface within the set time limit. 5 minute alarm delay (adjustable).	B	0[3)]	1
11.14	164	Xzone, ROOM TEMPERATURE FROM COMMUNICATION ERROR The air handling unit's control unit does receive the temperature via the external communications interface within the set time limit. 5 minute alarm delay (adjustable).	B	0[3)]	1
11:15	165	OUTDOOR TEMPERATURE FROM COMMUNICATION ERROR The air handling unit's control unit does receive the temperature via the external communications interface within the set time limit. 5 minute alarm delay (adjustable).	B	0[3)]	1
Alarm group 12: AHU, temperature diff.					
12:1	166	SUPPLY AIR TEMPERATURE BELOW SET POINT ALARM LIMIT The supply air temperature is below the preset setpoint (ERS, ORS and supply air regulation) or has deviated from the supply air regulator's current setpoint (for extract air regulation) longer than 20 minutes. Alarm limit 5 K (adjustable). Check the correct function on heat exchangers and any reheaters. Also check that the aforementioned are dimensioned for the current setpoint.	A	1[3)]	0
12:2	167	SUPPLY AIR TEMPERATURE ABOVE SET POINT ALARM LIMIT The supply air temperature exceeds the preset setpoint (ERS, ORS and supply air regulation) or has deviated from the supply air regulator's current setpoint (for extract air regulation) longer than 20 minutes. Alarm limit 7 K (adjustable). Check that cooling is dimensioned for the current operating mode and setpoint.	B	0[3)]	0
12:6	171	EXTRACT AIR TEMPERATURE BELOW ALARM LIMIT The extract air temperature is below the set alarm limit for more than 20 minutes. Alarm limit 12 °C (adjustable).	A	1[3)]	0
12:11	176	TEMPERATURE PROTECTION BELOW ALARM LIMIT The temperature protection reading is below preset alarm limit. Alarm limit 7 °C (adjustable). Check the correct function on heat exchangers and any reheaters. Also check that the aforementioned are dimensioned for the current setpoint. 30 second alarm delay (adjustable).	A	1[3)]	0

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12:13	178	HEAT EXCHANGER EFFICIENCY BELOW ALARM LIMIT The heat exchanger's efficiency is below the preset alarm limit for more than 2 minutes. Check the operation of the heat exchanger. GOLD RX: check that the heat exchanger belts do not slip. GOLD PX: check damper operations so that all dampers and actuators work correctly. GOLD CX/SD: check the valves and pumps. Check the placement of sensors so that the air direction is not affected by the efficiency measurement. Alarm limit efficiency 50 % (adjustable). The alarm is blocked for defrosting.	B	0[3)]	0
Alarm group 13: Humidity/VOC					
13:1	181	HUMIDIFICATION, I/O-MODULE NO. 4 COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communications with I/O module No. 4 for humidity. Check that the function selector switch on the I/O module is set to position 4 and that the cable is connected to COM 1-3 on the IQlogic controller. 10 second alarm delay.	B	0[3)]	1
13:2	182	SUPPLY AIR HUMIDITY SENSOR DEFECTIVE The humidity sensor in the supply air duct is defective or is not connected. Check that the cable is connected to COM 1-3 on the IQlogic controller. 10 second alarm delay.	A	0[3)]	1
13:3	183	EXTRACT AIR HUMIDITY SENSOR DEFECTIVE The humidity sensor in the extract air duct is defective or is not connected. Check that the cable is connected to COM 1-3 on the IQlogic controller. 10 second alarm delay.	A	0[3)]	1
13:4	184	EXHAUST AIR HUMIDITY SENSOR DEFECTIVE The humidity sensor in the exhaust air duct is defective or is not connected. Check that the cable is connected to COM 1-3 on the IQlogic controller. 10 second alarm delay.	A	0[3)]	1
13:5	185	OUTDOOR HUMIDITY SENSOR DEFECTIVE The humidity sensor in the outdoor air duct is defective or not connected. Check that the cable is connected to COM 1-3 on the IQlogic controller. 10 second alarm delay.	A	0[3)]	1
13:6	186	ROOM HUMIDITY SENSOR DEFECTIVE The humidity sensor in the room is defective or not connected. Check that the cable is connected to COM 1-3 on the IQlogic controller. 10 second alarm delay.	A	0[3)]	1
13:9	189	HUMIDIFIER, ALARM OUTPUT TRIPPED The humidifier has tripped alarm output. Check terminal connections 11-12 on I/O-module with the function selector switch in position 4. Check that the alarm setting corresponds with the current function (making, breaking, contactor function). 10 second alarm delay.	A	0[3)]	0

Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
13:11	191	VOC SENSOR COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communications with the VOC sensor. Check that the cable is connected to COM 1-3 on the IQlogic controller. Check the polarity of any extension cables. 10 second alarm delay.	B	0[3)]	1
13:12	192	VOC SENSOR, INTERNAL COMMUNICATION ERROR The air handling unit's control unit cannot achieve correct communications with the VOC sensor. Check that the cable is connected to COM 1-3 on the IQlogic controller. The internal communications in the sensor does not work. Replace the sensor. 60 second alarm delay.	B	0[3)]	1
13:13	193	VOC SENSOR, INTERNAL ERROR VOC sensor defective. Check that the cable is connected to COM 1-3 on the IQlogic controller. Measuring element in the sensor has failed. Replace the sensor. 60 second alarm delay.	B	0[3)]	1
13:14	194	VOC SENSOR, LEVEL BELOW/ABOVE SET POINT ALARM LIMIT The VOC sensor has read a level below or above the set point alarm limit for more than 60 seconds. Factory setting 450 ppm and 10,000 ppm (adjustable).	B	0[3)]	1
13:15		CO_2 VALUE VIA COMMUNICATION, COMMUNICATION ERROR The air handling unit's control unit does not obtain a CO_2 value from an external communication interface within the set time limit. 5 minutes alarm delay (adjustable).	B	0	1
Alarm group 14: Heating and Cooling Energy Measurement					
14:1	196	REHEATING ENERGY MEASUREMENT, I/O MODULE NO. 6 COMMUNICATION ERROR The air handling unit's controller cannot achieve correct communication with I/O module No. 6 for energy measurement. Check that the function selector switch on the I/O module is set to position 6 and that the cable is connected to COM 1-3 on the IQlogic control unit. 10 second alarm delay.	B	0	1
14:2	197	REHEATING ENERGY MEASUREMENT, TEMPERATURE SENSOR NO. 1 DEFECTIVE Temperature sensor 1 for return water temperature in the air heater is defective or is not connected. Check terminal connections 7-8 on I/O module 6. Check that the sensor is connected with correct polarity. Brown = 7 and White = 8. 10 second alarm delay.	B	0	1
14:3	198	REHEATING ENERGY MEASUREMENT, TEMPERATURE SENSOR NO. 2 DEFECTIVE Temperature sensor 2 for supply flow temperature in the air heater is defective or is not connected. Check terminal connections 5-6 on I/O module 6. Check that the sensor is connected with correct polarity. Brown = 5 and White = 6. 10 second alarm delay.	B	0	1
14:4	199	REHEATING ENERGY MEASUREMENT, VALVE LEAKAGE Flow has been registered by the sensor while the signal for valve regulation = 0. 60 second alarm delay.	B	0	1
14:5	200	REHEATING ENERGY MEASUREMENT, FLOW SENSOR DEFECTIVE No flow has been registered by the sensor while the signal for valve regulation > 0. Check terminal connections 3 and 4 on I/O module 6. 60 second alarm delay.	B	0	1

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Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
14:8	203	COOLING ENERGY MEASUREMENT, I/O MODULE NO. 7 COMMUNICATION ERROR The air handling unit's controller cannot achieve correct communication with I/O module No. 7 for energy measurement. Check that the function selector switch on the I/O module is set to position 7 and that the cable is connected to COM 1-3 on the IQlogic control unit. 10 second alarm delay.	B	0	1
14:9	204	COOLING ENERGY MEASUREMENT, TEMPERATURE SENSOR NO. 1 DEFECTIVE Temperature sensor 1 for return water temperature in the air cooler is defective or is not connected. Check terminal connections 7-8 on I/O module 7. Check that the sensor is connected with correct polarity. Brown = 7 and White = 8. 10 second alarm delay.	B	0	1
14:10	205	COOLING ENERGY MEASUREMENT, TEMPERATURE SENSOR NO. 2 DEFECTIVE Temperature sensor 2 for supply flow temperature in the air cooler is defective or is not connected. Check terminal connections 5-6 on I/O module 7. Check that the sensor is connected with correct polarity. Brown = 5 and White = 6. 10 second alarm delay.	B	0	1
14:11	206	COOLING ENERGY MEASUREMENT, VALVE LEAKAGE Flow has been registered by the sensor while the signal for valve regulation = 0. 60 second alarm delay.	B	0	1
14:12	207	COOLING ENERGY MEASUREMENT, FLOW SENSOR DEFECTIVE No flow has been registered by the sensor while the signal for valve regulation > 0. Check terminal connections 3 and 4 on I/O module 7. 60 second alarm delay.	B	0	1
Alarm group 15: Plate heat exchanger					
15:1	211	PLATE HEAT EXCHANGER, I/O-MODULE NO. 2 COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communications with I/O module No. 2 for plate heat exchanger. Check that the function selector switch on the I/O module is set to position 2 and that the cable is connected to COM 6-11 on the IQlogic controller. 10 second alarm delay.	A	1[3)4)]	1
15:2	212	PLATE HEAT EXCHANGER, TEMPERATURE SENSOR NO. 1 DEFECTIVE Temperature sensor 1 for frost guard in heat exchanger cube is defective or is not connected. Check terminal connections 7-8 on I/O-module 2. Check that the sensor is connected with the right polarity. Brown = 7- and White = 8S 3 second alarm delay.	A	1[3)4)]	1
15:3	213	PLATE HEAT EXCHANGER, TEMPERATURE SENSOR NO. 2 DEFECTIVE Temperature sensor 2 for frost guard in heat exchanger cube is defective or is not connected. Check terminal connections 5-6 on I/O-module 2. Check that the sensor is connected with the right polarity. Brown = 5- and White = 6S 3 second alarm delay.	A	1[3)4)]	1

Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
15:4	214	PLATE HEAT EXCHANGER, DAMPER MONITORING TRIPPED Damper actuator for plate heat exchanger is defective. The feedback signal deviates from the control signal. Check terminal connections 2(Y) and 4(U) on I/O-module 2. Check that the damper does not seize or that the actuator slips on the damper shaft. 10 minute alarm delay.	A	0[3)4)]	0
15:7	217	PLATE HEAT EXCHANGER, I/O-MODULE NO. 3 COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communications with I/O module No. 3 for plate heat exchanger. Check that the function selector switch on the I/O module is set to position 3 and that the cable is connected to COM 6-11 on the IQlogic controller. 10 second alarm delay.	A	1[3)4)]	1
15:8	218	PLATE HEAT EXCHANGER, BYPASS DAMPER 2A MONITOR TRIPPED The monitor for the bypass damper to the plate heat exchanger has been tripped. The feedback signal deviates from the control signal. Check terminal connections 4(Y) and 12(U) on I/O-module 3. Check that the damper does not seize or that the actuator slips on the damper shaft. 10 minute alarm delay.	A	0[3)4)]	0
15:9	219	PLATE HEAT EXCHANGER, DAMPER NO. 3A MONITOR TRIPPED The monitor for the section damper 1 to the plate heat exchanger has been tripped. The feedback signal deviates from the control signal. Check terminal connections 8(Y) and 16(U) on I/O-module 3. Check that the damper does not seize or that the actuator slips on the damper shaft. 10 minute alarm delay.	A	0[3)4)]	0
15:10	220	PLATE HEAT EXCHANGER, DAMPER NO. 1A MONITOR TRIPPED The monitor for the section damper 2 to the plate heat exchanger has been tripped. The feedback signal deviates from the control signal. Check terminal connections 6(Y) and 14(U) on I/O-module 3. Check that the damper does not seize or that the actuator slips on the damper shaft. 10 minute alarm delay.	A	0[3)4)]	0
15:11	221	PLATE HEAT EXCHANGER, I/O-MODULE NO. 3 COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communications with I/O module No. 3 for plate heat exchanger. Check that the function selector switch on the I/O module is set to position 3 and that the cable is connected to COM 6-11 on the IQlogic controller. 10 second alarm delay.	A	1[3)4)]	1
15:12	222	PLATE HEAT EXCHANGER, BYPASS DAMPER MONITOR TRIPPED The monitor for the bypass damper to the plate heat exchanger has been tripped. The feedback signal deviates from the control signal. Check terminal connections 2(Y) and 4(U) on I/O-module 3. Check that the damper does not seize or that the actuator slips on the damper shaft. 10 minute alarm delay.	A	0[3)4)]	0

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Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
15:13	223	PLATE COUNTER FLOW HEAT EXCHANGER, DEFROST PRESSURE ABOVE ALARM LIMIT There has been a continuous need for full defrosting for 2 hours. Check the pressure sensor to ensure the hose connections are correct and that moisture does not enter the hoses. The alarm can occur during extreme operating instances with high humidity in the extract air in combination with a very low outdoor temperature.	B	1[3)4)]	0
15:14	224	PLATE HEAT EXCHANGER, DEFROSTING SENSOR NO. C COMMUNICATION ERROR The air handling unit's controller cannot achieve correct communication with the plate heat exchanger's defrost sensor. Check that the selector switch on the pressure sensor is set to the correct position depending on the variant and that the cable is connected to COM 6-11 on the IQlogic control unit. Variant 1 (function switch): Position C Variant 2 (DIP switch): (1=ON, 0=OFF) Switch 1-5 (0.0.1.1.0) 10 minute alarm delay.	B	0	1
15:15	225	PLATE HEAT EXCHANGER, DEFROST PRESSURE ABOVE ALARM LIMIT Need of defrosting above 95% has existed continuously for 144 minutes. Check the pressure sensor to ensure the hose connections are correct and that moisture does not enter the hoses. The alarm can occur during extreme operating instances with high humidity in the extract air in combination with a very low outdoor temperature.	B	1	0
Alarm group 16: Coil heat exchangers					
16:1	226	COIL HEAT EXCHANGER, I/O-MODULE NO. 1 COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communications with I/O module No. 1 for plate heat exchanger. Check that the function selector switch on the I/O module is set to position 1 and that the cable is connected to COM 6-11 on the IQlogic controller. 10 second alarm delay.	A	1[3)4)]	1
16:2	227	COIL HEAT EXCHANGER, TEMPERATURE SENSOR DEFECTIVE The temperature sensor on the coil heat exchanger's pipework package for the frost guard is defective or is not connected. For pressure-controlled pump: Check terminal connections 11-12 on I/O-module C. Check that the sensor is connected with the right polarity. For pump run at constant speed: Check terminal connections 7-8 on I/O-module 1. Check that the sensor is connected with the right polarity. 3 second alarm delay.	A	1[3)4)]	1
16:3	228	COIL HEAT EXCHANGER, VALVE MONITORING TRIPPED Valve actuator of the coil heat exchanger. The valve actuator's response signal deviates from the outgoing control signal. 10 minute alarm delay.	A	0[3)4)]	0
16:4	229	COIL HEAT EXCHANGER, PUMP MONITORING TRIPPED No in-service indication from the pump is obtained. For pressure-controlled pump: Check terminal connections 17-18 on I/O-module C. For pump run at constant speed: Check terminal connections 11-12 on I/O-module 1. 20 second alarm delay.	A	1[3)4)]	0

Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
16:5	230	COIL HEAT EXCHANGER, I/O-MODULE NO. C COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communications with I/O module No. C for coil heat exchanger. Check that the function selector switch on the I/O module is set to position C and that the cable is connected to COM 6-11 on the IQlogic controller. 10 second alarm delay.	A	1	1
16:6	231	COIL HEAT EXCHANGER, PRESSURE SENSOR DEFECTIVE Pressure sensor for the coil heat exchanger is defective or is not connected. Check the terminal connection. 10 minute alarm delay.	A	1	1
16:7	232	COIL HEAT EXCHANGER, LOW PRESSURE BRINE CIRCUIT Pressure gauge registers a too low pressure. Check the terminal connection. Check that venting of the hydronic circuit is performed correctly and whether there is any leakage. 5 minute alarm delay.	A	1	0
16:8	233	COIL HEAT EXCHANGER, PRESSURE BELOW ALARM LIMIT Fluid pressure sensor registers a too low pressure. Check the terminal connection. Check that venting of the hydronic circuit is performed correctly and whether there is any leakage. 10 second alarm delay.	A	1	1
Alarm group 17: Rotary heat exchanger					
17:1	241	ROTARY HEAT EXCHANGER, MOTOR CONTROLLER COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communications with the rotary heat exchanger's motor controller. Check that the cable is connected to COM 6-11 on the IQlogic controller. 10 second alarm delay.	A	1[3)4)]	1
17:2	242	ROTARY HEAT EXCHANGER, DEFROSTING PRESSURE SENSOR NO. 7 COMMUNICATION ERROR The air handling unit's controller cannot achieve correct communication with the heat exchanger's pressure sensor. Applicable to the defrosting function only. Check that the selector switch on the pressure sensor is set to the correct position depending on the variant and that the cable is connected to COM 6-11 on the IQlogic control unit Variant 1 (function switch): Position 7 Variant 2 (DIP switch): (1=ON, 0=OFF) Switch 1-5 (1.1.1.0.0) 10 second alarm delay.	B	0[3)]	1
17:3	243	ROTARY HEAT EXCHANGER, DEFROST PRESSURE ABOVE ALARM LIMIT Need of defrosting above 95% has existed continuously for 144 minutes. Check the pressure sensor to ensure the hose connections are correct and that moisture does not enter the hoses. The alarm can occur during extreme operating instances with high humidity in the extract air in combination with a very low outdoor temperature.	B	1[3)4)]	0
17:4	244	ROTARY HEAT EXCHANGER, ROTATION DETECTOR TRIPPED No impulses from the rotation detector are registered with the heat exchanger controller. Check that the drive belt to the heat exchanger has not run-off or slips. 3 second alarm delay.	A[1)]	1[3)4)]	0

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Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
17:5	245	ROTARY HEAT EXCHANGER, MOTOR CONTROLLER OVER CURRENT Heat exchanger motor controller has registered excessively high current supplier to the drive motor. Check the settings for the control parameters as this alarm can occur if heat exchangers has started to self-oscillate causing frequent starting and stopping. 3 second alarm delay.	A[1)]	1[3)4)]	0
17:6	246	ROTARY HEAT EXCHANGER, MOTOR CONTROLLER UNDER VOLTAGE Low feed voltage is supplied to the rotary heat exchanger's motor controller. Check the incoming voltage to the air handling unit and the outgoing voltage from the transformer. The voltage must not drop below 36 V -10 %. 3 second alarm delay.	A[1)]	1[3)4)]	0
17:7	247	ROTARY HEAT EXCHANGER, MOTOR CONTROLLER OVER VOLTAGE High feed voltage is supplied to the rotary Heating-'s motor controller. Check the incoming voltage to the air handling unit and the outgoing voltage from the transformer. The voltage must not exceed 36 V +15 %. 3 second alarm delay.	A[1)]	1[3)4)]	0
17:8	248	ROTARY HEAT EXCHANGER, MOTOR CONTROLLER OVER TEMPERATURE High temperature (90°C) inside the rotary heat exchanger's motor controller. The alarm may be caused by a high ambient temperature in the spacer for the exchanger controller. 3 second alarm delay.	A[1)]	1[3)4)]	0
17:9	249	ROTARY HEAT EXCHANGER, MOTOR CONTROLLER START ERROR Drive motor does not rotate during start up. Check that the rotor has not seized and that frost has not formed on the vinyl-coated fabric seal. 3 second alarm delay.	A[1)]	1[3)4)]	0
17:10		ROTARY HEAT EXCHANGER, INTERNAL FAULT MOTOR CONTROL SYSTEM Internal fault. Replace the motor controller. The alarm trips 10 seconds after the motor controller's internal alarm conditions have tripped an alarm.	A[1)]	1[3)4)]	
17:11		ROTARY HEAT EXCHANGER, MOTOR CONTROLLER PHASE ERROR Phase failure in motor controller. A phase is missing between the motor controller and motor. The alarm trips 10 seconds after the motor controller's internal alarm conditions have tripped an alarm.	A[1)]	1[3)4)]	
17:12		ROTARY HEAT EXCHANGER MOTOR CONTROLLER INTERNAL MEMORY ERROR Internal memory error in motor controller. Serious error in the motor controller's electronics. Replace the motor controller. The alarm trips 10 seconds after the motor controller's internal alarm conditions have tripped an alarm.	A[1)]	1[3)4)]	
17:13		ROTARY HEAT EXCHANGER, MOTOR CONTROLLER CURRENT LIMITATION Current limitation in motor controller. The alarm occurs to prevent an overcurrent alarm. The alarm trips 60 seconds after the motor controller's internal alarm conditions have tripped an alarm.	A[1)]	1[3)4)]	

Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
17:14		ROTARY HEAT EXCHANGER MOTOR CONTROLLER INTERNAL COMMUNICATION ERROR Internal communication error in motor controller. Serious error in the motor controller's electronics. Replace the motor controller. The alarm trips 10 seconds after the motor controller's internal alarm conditions have tripped an alarm	A[1)]	1[3)4)]	
17:15		ROTARY HEAT EXCHANGER, I/O MODULE COMMUNICATION ERROR The rotary heat exchanger's motor controller cannot establish correct communication with the internal I/O module. Replace the motor controller. The alarm trips 10 seconds after the motor controller's internal alarm conditions have tripped an alarm.	A[1)]	1[3)4)]	
Alarm group 18: AYC					
18:1	256	AYC, I/O-MODULE NO. 7 COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communications with I/O module No. 7 for AYC. Check that the function selector switch on the I/O module is set to position 7 and that the cable is connected to COM 1-3 on the IQlogic controller. 10 second alarm delay.	A	0[3)]	1
18:2	257	AYC HEATING, TEMPERATURE SENSOR DEFECTIVE Heating temperature sensor is defective or is not connected. Check terminal connections 9-10 on I/O-module 7. Check that the sensor is connected with the right polarity. 3 second alarm delay.	A	0[3)]	1
18:3	258	AYC HEATING, VALVE MONITORING TRIPPED Valve actuator, hot water. The valve actuator's response signal deviates from the outgoing control signal. Check terminal connections 2 (Y) and 6 (U) on I/O-module 7. 10 minute alarm delay.	B	0[3)]	0
18:4	259	AYC HEATING, PUMP MONITORING TRIPPED The heated water pump is defective. Check terminal connections 5-6 on I/O-module 7. 20 second alarm delay.	A	0[3)]	0
18:5	260	AYC HEATING, TEMPERATURE BELOW SET POINT LIMIT Heated water temperature is below preset set point longer than 30 minutes. Alarm limit 5 K (adjustable). Check the correct function on heating circuit. Also check that the aforementioned are dimensioned for the current setpoint.	A	0[3)]	0
18:6	261	AYC HEATING, TEMPERATURE ABOVE SET POINT ALARM LIMIT 5) Heated water temperature exceeds preset set point longer than 30 minutes. Alarm limit 7 K (adjustable). Check the correct function on heating circuit and that the valve functions correctly.	B	0[3)]	0
18:9	264	AYC COOLING, TEMPERATURE SENSOR DEFECTIVE Temperature sensor for the AYC function (All Year Comfort) cooling is defective or is not connected. Check terminal connections 11-12 on I/O-module 7. Check that the sensor is connected with the right polarity. 3 second alarm delay.	A	0[3)]	1

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Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
18:10	265	AYC COOLING, VALVE MONITORING TRIPPED Valve actuator, cooling water. The valve actuator's response signal deviates from the outgoing control signal. Check terminal connections 4 (Y) and 8 (U) on I/O-module 7. 10 minute alarm delay.	B	0[3)]	0
18:11	266	AYC COOLING, PUMP MONITORING TRIPPED The chilled water pump is defective. Check terminal connections 17-18 on I/O-module 7. 20 second alarm delay.	A	0[3)]	0
18:12	267	AYC COOLING, TEMPERATURE BELOW SET POINT ALARM LIMIT Chilled water temperature is below preset set point longer than 30 minutes. Alarm limit 7 K (adjustable). Check the correct function on cooling circuit and that the valve functions correctly.	A	0[3)]	0
18:13	268	AYC COOLING, TEMPERATURE ABOVE SET POINT ALARM LIMIT 5) Chilled water temperature exceeds preset set point longer than 30 minutes. Alarm limit 5 K (adjustable). Check the correct function on cooling circuit. Also check that the aforementioned are dimensioned for the current setpoint.	B	0[3)]	0
Alarm group 19: Rotary heat exchanger, Air Quality Control					
19:1		ROTARY HEAT EXCHANGER, AIR QUALITY CONTROL PRESSURE SENSOR NO. E COMMUNICATION ERROR The air handling unit's controller cannot establish correct communication with the pressure sensor. Check that the function switch on the pressure sensor is set to the right position depending on the variant and that the cable in the bus communication loop is connected to COM 6-11 on the IQlogic control unit. Variant 1 (function switch): Position E Variant 2 (DIP switch): (1=ON, 0=OFF) Switch 1-5 (0.1.1.1.0) 10 second alarm delay.	B	0[3)]	1
19:2		ROTARY HEAT EXCHANGER, AIR QUALITY CONTROL BELOW THE SET POINT ALARM LIMIT The pressure has gone below 0 Pa, during a longer period than 60 minutes. Check that hose connections and measurement tappings for the pressure measurement are correct. Check if the damper is fully open and if additional commissioning plates are needed.	A[1)]	0[3)]	0
19:3		ROTARY HEAT EXCHANGER, AIR QUALITY CONTROL DAMPER MONITORING TRIPPED The damper actuator does not move to the right position. The position of the damper motor does not correspond with the control signal. Check the terminal connections 35 (G), 36 (GO), 37 (Y) and 38 (U) on the IQlogic controller. 10 minute alarm delay	B	0[3)]	0
Alarm group 20: Spare					
Alarm group 21: COOL DX					
21:1	301	COOL DX, I/O-MODULE NO. 2 COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communications with I/O module No. 2 for the COOL DX. Check that the function selector switch on the I/O module is set to position 2 and that the cable is connected to COM 1-3 on the IQlogic controller. 10 second alarm delay.	B	0[3)]	1

Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
21:2	302	COOL DX, COMPRESSOR NO. 1 LOW PRESSURE SENSOR DEFECTIVE Low pressure sensor is defective or is not connected. Check terminal connections 8 (Black), 15 (Green) and 16 (White) on I/O-module 2. 5 second alarm delay.	A[1)]	0[3)]	1
21:3	303	COOL DX, COMPRESSOR NO. 1 LOW PRESSURE BELOW ALARM LIMIT The low pressure sensor measures lower pressure than preset alarm limit pressure. Check the alarm limit setting. The alarm can occur at low supply air flow. Check for any possible refrigerant leakage. 5 second alarm delay.	A[1)]	0[3)]	0
21:4	304	COOL DX, COMPRESSOR NO. 1 HIGH PRESSURE SENSOR DEFECTIVE High pressure sensor is defective or is not connected. Check terminal connections 6 (Black), 13 (Green) and 14 (White) on I/O-module 2. 5 second alarm delay.	A[1)]	0[3)]	1
21:5	305	COOL DX, COMPRESSOR NO. 1 HIGH PRESSURE ABOVE ALARM LIMIT The high pressure sensor measures higher pressure than preset alarm limit pressure. Check the alarm limit setting. The alarm can occur at low extract air flow and/or high extract air temperature. 3 second alarm delay.	A[1)]	0[3)]	0
21:6	306	COOL DX, COMPRESSOR NO. 1 MONITORING TRIPPED Monitoring of compressor is defective. Check the contactor response on terminal connections 35-36. High pressure switch has tripped. The high pressure switch must be reset manually. 20 second alarm delay.	A	0[3)]	0
21:7	307	COOL DX, COMPRESSOR NO. 1 RESTART ERROR Compressor will not restart. The fault may have occurred during frequent start and stop of the compressor as a result of low or high pressure in the refrigeration circuit. Check the quantity of refrigerant, that the extract air or supply air flow is not too low or that the ambient temperature is too high. 10 second alarm delay.	A	0[3)]	0
21:8	308	COOL DX, COMPRESSOR NO. 2 LOW PRESSURE SENSOR DEFECTIVE Low pressure sensor is defective or is not connected. Check terminal connections 4 (Black), 11 (Green) and 12 (White) on I/O-module 2. 5 second alarm delay.	A[1)]	0[3)]	1
21:9	309	COOL DX, COMPRESSOR NO. 2 LOW PRESSURE BELOW ALARM LIMIT COOL DX version A - B: The pressure switch measures lower or higher pressure than preset limits. COOL DX version C: The low pressure sensor measures lower pressure than preset alarm limits. Check settings for alarm limits. Alarms can occur in the event of a low extract airflow and/or high extract air temperature. 3 second alarm delay.	A[1)]	0[3)]	0
21:10	310	COOL DX, COMPRESSOR NO. 2 HIGH PRESSURE SENSOR DEFECTIVE High pressure sensor is defective or is not connected. Check terminal connections 2 (Black), 9 (Green) and 10 (White) on I/O-module 2. 5 second alarm delay.	A[1)]	0[3)]	1

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Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
21:11	311	COOL DX, COMPRESSOR NO. 2 HIGH PRESSURE ABOVE ALARM LIMIT The high pressure sensor measures higher pressure than preset alarm limit pressure. Check the alarm limit setting. The alarm can occur at low extract air flow and/or high extract air temperature. 3 second alarm delay.	A[1)]	0[3)]	0
21:12	312	COOL DX, COMPRESSOR NO. 2 MONITOR TRIPPED Monitoring of compressor is defective. Check the contactor response on terminal connections 37-38. High pressure switch has tripped. The high pressure switch must be reset manually. 20 second alarm delay.	A	0[3)]	0
21:13	313	COOL DX, COMPRESSOR NO. 2 RESTART ERROR Compressor will not restart. The fault may have occurred during frequent start and stop of the compressor as a result of low or high pressure in the refrigeration circuit. Check the quantity of refrigerant, that the extract air or supply air flow is not too low or that the ambient temperature is too high. 10 second alarm delay.	A	0[3)]	0
21:14	314	COOL DX, OUTDOOR AIR TEMPERATURE SENSOR DEFECTIVE Outdoor temperature sensor is defective or is not connected. Check terminal connections 23-24 on I/O-module 2. Check that the sensor is connected with the right polarity. 3 second alarm delay.	B	0[3)]	1
21:15	315	COOL DX, PHASE SEQUENCE ERROR/SUPPLY VOLTAGE MISSING Phase sequence protection for feed voltage to COOL DX has tripped. The alarm occurs if the supply voltage to COOL DX is broken. In the event of a phase sequence error, switched the phases. 5 second alarm delay.	A	0[3)]	0
Alarm group 22: Xzone energy measurement					
22:1	316	XZONE HEATING ENERGY MEASUREMENT, I/O MODULE NO. D COMMUNICATION ERROR The air handling unit's controller cannot achieve correct communication with I/O module No. D for energy measurement. Check that the function selector switch on the I/O module is set to position D and that the cable is connected to COM 1-3 on the IQlogic control unit. 10 second alarm delay.	B	0	1
22:2	317	XZONE HEATING ENERGY MEASUREMENT, TEMPERATURE SENSOR NO. 1 DEFECTIVE Temperature sensor 1 for return water temperature in the air heater is defective or is not connected. Check terminal connections 7-8 on I/O module D. Check that the sensor is connected with correct polarity. Brown = 7 and White = 8. 10 second alarm delay.	B	0	1
22:3	318	XZONE HEATING ENERGY MEASUREMENT, TEMPERATURE SENSOR NO. 2 DEFECTIVE Temperature sensor 2 for supply flow temperature in the air heater is defective or is not connected. Check terminal connections 5-6 on I/O module D. Check that the sensor is connected with correct polarity. Brown = 5 and White = 6. 10 second alarm delay.	B	0	1
22:4	319	XZONE HEATING ENERGY MEASUREMENT, VALVE LEAKAGE Flow has been registered by the sensor while the signal for valve regulation = 0. 60 second alarm delay.	B	0	1

Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
22:5	320	XZONE HEATING ENERGY MEASUREMENT, FLOW SENSOR DEFECTIVE No flow has been registered by the sensor while the signal for valve regulation > 0. Check terminal connections 3 and 4 on I/O module D. 60 second alarm delay.	B	0	1
22:8	323	XZONE COOLING ENERGY MEASUREMENT, I/O MODULE NO. E COMMUNICATION ERROR The air handling unit's controller cannot achieve correct communication with I/O module No. E for energy measurement. Check that the function selector switch on the I/O module is set to position E and that the cable is connected to COM 1-3 on the IQlogic control unit. 10 second alarm delay.	B	0	1
22:9	324	XZONE COOLING ENERGY MEASUREMENT, TEMPERATURE SENSOR NO. 1 DEFECTIVE Temperature sensor 1 for return water temperature in the air cooler is defective or is not connected. Check terminal connections 7-8 on I/O module E. Check that the sensor is connected with correct polarity. Brown = 7 and White = 8. 10 second alarm delay.	B	0	1
22:10	325	XZONE COOLING ENERGY MEASUREMENT, TEMPERATURE SENSOR NO. 2 DEFECTIVE Temperature sensor 2 for supply flow temperature in the air cooler is defective or is not connected. Check terminal connections 5-6 on I/O module E. Check that the sensor is connected with correct polarity. Brown = 5 and White = 6. 10 second alarm delay.	B	0	1
22:11	326	XZONE COOLING ENERGY MEASUREMENT, VALVE LEAKAGE Flow has been registered by the sensor while the signal for valve regulation = 0. 60 second alarm delay.	B	0	1
22:12	327	XZONE COOLING ENERGY MEASUREMENT, FLOW SENSOR DEFECTIVE No flow has been registered by the sensor while the signal for valve regulation > 0. Check terminal connections 3 and 4 on I/O module E. 60 second alarm delay.	B	0	1
Alarm group 23: SMART Link					
23:1	331	SMART Link, COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communication with the chiller/heat pump. Check that the cable is connected to COM 4 on the IQlogic controller. 30 second alarm delay.	A	0[3)]	1
23:2	332	SMART Link, ALARM LEVEL 1 TRIPPED Chiller/heat pump has tripped, group alarm level 1. See alarm information on the display of the chiller/heat pump. Reset the alarm on the chiller/heat pump's control unit. 30 second alarm delay.	B	0[3)]	0
23:3	333	SMART Link, ALARM LEVEL 2 TRIPPED Chiller/heat pump has tripped, group alarm level 2. See alarm information on the display of the chiller/heat pump. Reset the alarm on the chiller/heat pump's control unit. 30 second alarm delay.	B	0[3)]	0
23:4	334	SMART Link, ALARM LEVEL 3 TRIPPED Chiller/heat pump has tripped, group alarm level 3. See alarm information on the display of the chiller/heat pump. Reset the alarm on the chiller/heat pump's control unit. 30 second alarm delay.	B	0[3)]	0

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Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
23:10	340	AQUA Link, I/O MODULE NO. 5 COMMUNICATIONS ERROR The air handling unit's control unit cannot establish correct communication with I/O module No. 5, AQUA Link. Check that the function selector switch on the I/O module is set to position 5 and that the cable is connected to COM 1-3 on the IQlogic controller. 10 second alarm delay.	B	0[3)]	1
23:11	341	AQUA Link, PUMP MONITORING TRIPPED Pump to AQUA Link is defective. Check terminal connections 11-12 on I/O-module No. 5. 10 second alarm delay.	B	0[3)]	0
Alarm group 24: SMART Link DX					
24:1	346	SMART Link, no. 1 communication error The air handling unit's control unit cannot establish correct communication with the chiller/heat pump 1. Check that the cable is connected to COM 4 on the IQlogic controller. 30 second alarm delay.	A	0[3)]	1
24:2	347	SMART Link, no. 1 alarm tripped Chiller 1 defective. See alarm information on the display of the chiller/heat pump. Reset the alarm on the chiller/heat pump's control unit. 30 second alarm delay.	A	0[3)]	1
24:4	349	SMART Link, no. 2 communication error The air handling unit's control unit cannot establish correct communication with the chiller/heat pump 2. Check that the cable is connected to COM 4 on the IQlogic controller. 30 second alarm delay.	A	0[3)]	1
24:5	350	SMART Link, no. 2 alarm tripped Chiller 2 defective. See alarm information on the display of the chiller/heat pump. Reset the alarm on the chiller/heat pump's control unit. 30 second alarm delay.	A	0[3)]	1
24:7	352	SMART Link, no. 3 communication error The air handling unit's control unit cannot establish correct communication with the chiller/heat pump 3. Check that the cable is connected to COM 4 on the IQlogic controller. 30 second alarm delay.	A	0[3)]	1
24:8	353	SMART Link, no. 3 alarm tripped Chiller 3 defective. See alarm information on the display of the chiller/heat pump. Reset the alarm on the chiller/heat pump's control unit. 30 second alarm delay.	A	0[3)]	1
24:10	355	SMART Link, no. 4 communication error The air handling unit's control unit cannot establish correct communication with the chiller/heat pump 4. Check that the cable is connected to COM 4 on the IQlogic controller. 30 second alarm delay.	A	0[3)]	1
24:11	356	SMART Link, no. 4 alarm tripped Chiller 4 defective. See alarm information on the display of the chiller/heat pump. Reset the alarm on the chiller/heat pump's control unit. 30 second alarm delay.	A	0[3)]	1
24:13	358	SMART Link, supply air alarm flow below alarm limit The alarm supply air flow below alarm limit has tripped. Adjust the supply air flow so that is it above the alarm limit. 10 minute alarm delay.	A	0	1

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Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
Alarm group 25: SMART Link+					
25:1		SMART LINK+, COOLING CIRCUIT A COMMUNICATION ERROR Communication alarm for SMART Link+ cooling circuit A. Verify that the correct information is constantly written in the dedicated registers.	A	0[3)]	1
25:2		SMART LINK+, COOLING CIRCUIT B COMMUNICATION ERROR Communication alarm for SMART Link+ cooling circuit B. Verify that the correct information is constantly written in the dedicated registers.	A	0[3)]	1
25:3		SMART LINK+, HEATING CIRCUIT A COMMUNICATION ERROR Communication alarm for SMART Link+ heating circuit A. Verify that the correct information is constantly written in the dedicated registers.	A	0[3)]	1
25:4		SMART LINK+, HEATING CIRCUIT A COMMUNICATION ERROR Communication alarm for SMART Link+ heating circuit B. Verify that the correct information is constantly written in the dedicated registers.	A	0[3)]	1
Alarm group 26: Pre-filter					
26:1	376	PRE-FILTER, SUPPLY AIR PRESSURE SENSOR NO. 8 COMMUNICATION ERROR The air handling unit's controller cannot establish correct communication with the supply air pre-filter sensor. Check that the function switch on the pressure sensor is set to the correct position depending on the variant and that the cable is connected to COM 6-11 on the IQlogic control unit. Variant 1 (function switch): Position 8 Variant 2 (DIP switch): (1=ON, 0=OFF) Switch 1-5 (0.0.0.1.0) 10 second alarm delay.	B	0[3)]	1
26:2	377	PRE-FILTER SUPPLY AIR, DIRTY The pressure across the supply air pre-filter exceeds the preset alarm limit for more than 10 minutes. Change to a new filter. If the filter appears clean, check that the pressure hoses are correctly connected and that the function switch on the pressure sensor is set to the correct position depending on the variant. Variant 1 (function switch): Position 8 Variant 2 (DIP switch): (1=ON, 0=OFF) Switch 1-5 (0.0.0.1.0)	B	0[3)]	0
26:7	382	PRE-FILTER, EXTRACT AIR PRESSURE SENSOR NO. 9 COMMUNICATION ERROR The air handling unit's controller cannot achieve correct communication with the extract air pre-filter sensor. Check that the function switch on the pressure sensor is set to the correct position depending on the variant and that the cable is connected to COM 6-11 on the IQlogic control unit. Variant 1 (function switch): Position 9 Variant 2 (DIP switch): (1=ON, 0=OFF) Switch 1-5 (1.0.0.1.0) 10 second alarm delay.	B	0[3)]	1
26:8	383	PRE-FILTER EXTRACT AIR, DIRTY The pressure across the extract air pre-filter exceeds the preset alarm limit for more than 10 minutes. Change to a new filter. If the filter appears clean, check that the pressure hoses are correctly connected and that the function switch on the pressure sensor is set to the correct position depending on the variant. Variant 1 (function switch): Position 9 Variant 2 (DIP switch): (1=ON, 0=OFF) Switch 1-5 (1.0.0.1.0)	B	0[3)]	0

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Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
Alarm group 27: AHU, internal filters					
27:1	391	AHU FILTER, SUPPLY AIR PRESSURE SENSOR NO. 3/4 COMMUNICATION ERROR The air handling unit's controller cannot establish correct communication with the AHU supply air filter sensor. Check that the function switch on the pressure sensor is set to the correct position depending on the variant and placement. The supply air filter is located on the right-hand side of the air handling unit (RX/PX/CX sizes 070-120, SD sizes 004-120): Variant 1 (function switch): Position 3 Variant 2 (DIP switch): (1=ON, 0=OFF) Switch 1-5 (1.1.0.0.0) The supply air filter is located on the left-hand side of the air handling unit (RX/PX/CX sizes 070-120, SD sizes 004-120): Variant 1 (function switch): Position 4 Variant 2 (DIP switch): (1=ON, 0=OFF) Switch 1-5 (0.0.1.0.0) 10 second alarm delay.	B	0[3)]	1
27:2	392	AHU FILTER, SUPPLY AIR FOULED The pressure across the AHU supply air filter has exceeded the preset alarm limit for more than 10 minutes. Change to a new filter. If the filter appears to be clean, check that the pressure hoses are connected correctly.	B	0[3)]	0
27:7	397	AHU FILTER, EXTRACT AIR PRESSURE SENSOR NO. 3/4 COMMUNICATION ERROR The air handling unit's controller cannot establish correct communication with the AHU extract air filter sensor. Check that the function switch on the pressure sensor is set to the correct position depending on the variant and placement The extract air filter is located on the right-hand side of the air handling unit (RX/PX/CX sizes 070-120, SD sizes 004-120): Variant 1 (function switch): Position 3 Variant 2 (DIP switch): (1=ON, 0=OFF) Switch 1-5 (1.1.0.0.0) The extract air filter is located on the left-hand side of the air handling unit (RX/PX/CX sizes 070-120, SD sizes 004-120): Variant 1 (function switch): Position 4 Variant 2 (DIP switch): (1=ON, 0=OFF) Switch 1-5 (0.0.1.0.0) 10 second alarm delay.	B	0[3)]	1
27:8	398	AHU FILTER, EXTRACT AIR FOULED The pressure across the AHU extract air filter has exceeded the preset alarm limit for more than 10 minutes. Change to a new filter. If the filter appears to be clean, check that the pressure hoses are connected correctly.	B	0[3)]	0
Alarm group 28: Final filter					
28:1	406	END FILTER, SUPPLY AIR PRESSURE SENSOR NO. A COMMUNICATION ERROR The air handling unit's controller cannot establish correct communication with the supply air end filter sensor. Check that the function switch on the pressure sensor is set to the correct position depending on the variant and that the cable is connected to COM 6-11 on the IQlogic control unit Variant 1 (function switch): Position A Variant 2 (DIP switch): (1=ON, 0=OFF) Switch 1-5 (0.1.0.1.0) 10 second alarm delay.	B	0[3)]	1
28:2	407	END FILTER, SUPPLY AIR, FOULED The pressure across the supply air end filter has exceeded the preset alarm limit for more than 10 minutes. Change to a new filter. If the filter appears to be clean, check that the pressure hoses are connected correctly.	B	0[3)]	0

Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
Alarm group 29: Energy monitoring					
29:1	421	ENERGY MONITORING PULSE COUNTER COMMUNICATION ERROR The pulse counter is defective or is not connected. Check that the cable is connected to COM 4 on the IQlogic controller. 10 second alarm delay.	B	0[3)]	0
Alarm group 30: Flow measurement					
30:1	436	AIRFLOW MEASUREMENT, SUPPLY AIR PRESSURE SENSOR NO. 1/2 COMMUNICATION ERROR The air handling unit's controller cannot establish correct communication with the supply air flow pressure sensor. Check that the function switch on the pressure sensor is set to the correct position depending on the variant and placement Supply air fan located on the left-hand side of the air handling unit (RX/PX/CX sizes 070-120, SD sizes 004-120): Variant 1 (function switch): Position 1 Variant 2 (DIP switch): (1=ON, 0=OFF) Switch 1-5 (1.0.0.0.0) Supply air fan located on the right-hand side of the air handling unit (RX/PX/CX sizes 070-120, SD sizes 004-120): Variant 1 (function switch): Position 2 Variant 2 (DIP switch): (1=ON, 0=OFF) Switch 1-5 (0.1.0.0.0) 10 second alarm delay.	A	1[3)]	1
30:2	437	AIRFLOW MEASUREMENT, SUPPLY AIRFLOW BELOW SET POINT ALARM LIMIT The supply airflow has gone below its set point by more than 10%, during a longer period than 20 minutes. Check that no dampers or anything else cause an abnormally high-pressure drop in the duct system. Check that hose connections and measurement tappings for the flow measurement are correct. Check that the flow set point value is not set to a higher value than the fan is capable of (the fans speed shows 100% on the hand-held terminal's flow display)	B	0[3)]	0
30:3	438	AIRFLOW MEASUREMENT, SUPPLY AIRFLOW ABOVE SET POINT ALARM LIMIT The supply airflow has exceeded its set point by more than 10%, during a longer period than 20 minutes. Check that hose connections and measurement tappings for the flow measurement are correct.	B	0[3)]	0
30:6	441	AIRFLOW MEASUREMENT, EXTRACT AIR PRESSURE SENSOR NO. 1/2 COMMUNICATION ERROR The air handling unit's controller cannot establish correct communication with the extract air flow pressure sensor. Check that the function switch on the pressure sensor is set to the correct position depending on the variant and placement Extract air fan located on the left-hand side of the air handling unit (RX/PX/CX sizes 070-120, SD sizes 004-120): Variant 1 (function switch): Position 1 Variant 2 (DIP switch): (1=ON, 0=OFF) Switch 1-5 (1.0.0.0.0) Extract air fan located on the right-hand side of the air handling unit (RX/PX/CX sizes 070-120, SD sizes 004-120): Variant 1 (function switch): Position 2 Variant 2 (DIP switch): (1=ON, 0=OFF) Switch 1-5 (0.1.0.0.0) 10 second alarm delay.	A	1[3)]	1

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Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
30:7	442	AIRFLOW MEASUREMENT, EXTRACT AIRFLOW BELOW SET POINT ALARM LIMIT The extract airflow has gone below its set point by more than 10%, during a longer period than 20 minutes. Check that no dampers or anything else cause an abnormally high-pressure drop in the duct system. Check that hose connections and measurement tappings for the flow measurement are correct. Check that the flow set point value is not set to a higher value than the fan is capable of (the fans speed shows 100% on the hand-held terminal's flow display).	B	0[3)]	0
30:8	443	AIRFLOW MEASUREMENT, EXTRACT AIRFLOW ABOVE SET POINT ALARM LIMIT The extract airflow has exceeded its set point by more than 10%, during a longer period than 20 minutes. Check that hose connections and measurement tappings for the flow measurement are correct.	B	0[3)]	0
30:11	446	AIRFLOW MEASUREMENT, PURGING PRESSURE SENSOR NO. B COMMUNICATION ERROR The air handling unit's controller cannot establish correct communication with the rotary heat exchanger purging sector sensor. Check that the function switch on the pressure sensor is set to the correct position depending on the variant and that the cable is connected to COM 6-11 on the IQlogic control unit Variant 1 (function switch): Position B Variant 2 (DIP switch): (1=ON, 0=OFF) Switch 1-5 (1.1.0.1.0) Check that the pressure sensor is of the right type (marked ± 1000 Pa). 10 second alarm delay.	B	0[3)]	1
Alarm group 31: Pressure regulation					
31:1	451	PRESSURE CONTROL, SUPPLY AIR PRESSURE SENSOR NO. 5 COMMUNICATIONS ERROR The air handling unit's control unit cannot establish correct communications with the supply air duct pressure sensor. Applies only to pressure control of the supply air. Check that the function switch on the pressure sensor is set to the correct position depending on the variant and that the cable is connected to COM 1-3 on the IQlogic control unit Variant 1 (function switch): Position 5 Variant 2 (DIP switch): (1=ON, 0=OFF) Switch 1-5 (1.0.1.0.0) 10 second alarm delay.	A	1[3)]	1
31:2	452	PRESSURE REGULATION, SUPPLY AIR PRESSURE BELOW SET POINT ALARM LIMIT The duct pressure has gone below its set point by more than 10%, during a longer period than 20 minutes (if pressure sensors are connected). Check that the hoses are connected correctly. + must be connected to the supply air duct and – must measure the atmospheric pressure. Check that the pressure set point value is not set to a higher value than the fan is capable of (the fans speed shows 100% on the hand-held terminal's flow display).	B	0[3)]	0

Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
31:3	453	PRESSURE REGULATION, SUPPLY AIR PRESSURE ABOVE SET POINT ALARM LIMIT The supply air duct pressure has exceeded its set point by more than 10%, during a longer period than 20 minutes (if pressure sensors are connected). Check that no dampers or anything else cause an abnormally high-pressure drop in the duct system. Check that the hoses are connected correctly. + must be connected to the supply air duct and – must measure the atmospheric pressure. Check that the pressure set point value is not set to a lower value than the fan is capable of or the duct system is designed for.	B	0[3)]	0
31:6	456	PRESSURE CONTROL, EXTRACT AIR PRESSURE SENSOR NO. 6 COMMUNICATION ERROR The air handling unit's controller cannot establish correct communication with the extract air duct pressure sensor. Applies only to extract air pressure control. Check that the function switch on the pressure sensor is set to the correct position depending on the variant and that the cable is connected to COM 1-3 on the IQlogic control unit Variant 1 (function switch): Position 6 Variant 2 (DIP switch): (1=ON, 0=OFF) Switch 1-5 (0.1.1.0.0) 10 second alarm delay.	A	1[3)]	1
31:7	457	PRESSURE REGULATION, EXTRACT AIR PRESSURE BELOW SET POINT ALARM LIMIT The extract air duct pressure has gone below its set point by more than 10%, during a longer period than 20 minutes (if pressure sensors are connected). Check that the hoses are connected correctly. – must be connected to the extract air duct and + must measure the atmospheric pressure. Check that the pressure set point value is not set to a higher value than the fan is capable of (the fans speed shows 100% on the hand-held terminal's flow display).	B	0[3)]	0
31:8	458	PRESSURE REGULATION, EXTRACT AIR PRESSURE ABOVE SET POINT ALARM LIMIT The extract air duct pressure has exceeded its set point by more than 10%, during a longer period than 20 minutes (if pressure sensors are connected). Check that no dampers or anything else cause an abnormally high-pressure drop in the duct system. Check that the hoses are connected correctly. – must be connected to the extract air duct and + must measure the atmospheric pressure. Check that the pressure set point value is not set to a lower value than the fan is capable of or the duct system is designed for.	B	0[3)]	0
Alarm group 32: ReCO$_2$/Intermittent night heating					
32:1	466	ReCO$_2$, I/O MODULE NO. 0 COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communication with I/O module No. 0. Check that the function selector switch on the I/O module is set to position 0 and that the cable is connected to COM 6-11 on the IQlogic controller. 10 second alarm delay.	A	0[3)]	1

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Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
32:2	467	$ReCO_2$, PRESSURE SENSOR NO. 0 COMMUNICATION ERROR The air handling unit's controller cannot establish correct communication with the pressure sensor. Check that the function switch on the pressure sensor is set to the correct position depending on the variant and that the cable is connected to COM 6-11 on the Iqlogic control unit Variant 1 (function switch): Position 0 Variant 2 (DIP switch): (1=ON, 0=OFF) Switch 1-5 (0.0.0.0.0) 10 second alarm delay.	A	0[3)]	1
32:3	468	$ReCO_2$/INTERMITTENT NIGHT HEATING, RECIRCULATED AIR DAMPER MONITORING TRIPPED The damper actuator does not move to the right position. The position-confirming output signal from the damper is not the same as the input control signal. Check the terminal connections 35 (G), 36 (GO), 37 (Y) and 38 (U) on the IQlogic controller. 10 minute alarm delay.	B	0[3)]	0
32:4	469	$ReCO_2$, OUTDOOR AIR DAMPER MONITORING TRIPPED The damper actuator does not move to the right position. The position-confirming output signal from the damper is not the same as the input control signal. Check terminal connections 2 (Y) and 4 (U) on I/O-module 0. 10 minute alarm delay.	B	0[3)]	0
Alarm group 33: Service					
33:1	481	PERIOD BETWEEN SERVICING PAST ALARM LIMIT The preset service period has expired. If the alarm is RESET via the hand-held terminal, the alarm will be initiated again after 7 days. A new service period can be set and reset under ALARM SETTINGS. 12 months factory set alarm delay (adjustable 1-99 months).	B	0[3)]	0
33:15	495	LOCK FUNCTION TRIPPED Contact Swegon or their representative.	–	–	0[6)]
Alarm group 34: External controls					
34:1	496	EXTERNAL CONTROL, I/O MODULE NO. 3 COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communication with I/O module No. 3 for external control. Check that the function selector switch on the I/O module is set to position 3 and that the cable is connected to COM 1-3 on the IQlogic controller. 10 second alarm delay.	B	0[3)]	1
34:2	497	EXTERNAL CONTROL, I/O MODULE NO. 6 COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communication with I/O module No. 6 for external control. Check that the function selector switch on the I/O module is set to position 6 and that the cable is connected to COM 1-3 on the IQlogic controller. 10 second alarm delay.	B	0[3)]	1

Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
Alarm group 35: Booster diffusers					
35:1	511	BOOSTER AIR DIFFUSERS, I/O MODULE NO. 8 COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communication with I/O module No. 8 for Booster diffusers. Check that the function selector switch on the I/O module is set to position 8 and that the cable is connected to COM 1-3 on the IQlogic controller. 10 second alarm delay.	B	0[3)]	1
Alarm group 36: External communication, I/O-modules					
36:1	526	EXTERNAL COMMUNICATION, I/O MODULE NO. A COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communication with I/O module No. A. Check that the function selector switch on the I/O module is set to position A and that the cable is connected to COM 1-3 on the IQlogic controller. 10 second alarm delay.	B	0[3)]	1
36:2	527	EXTERNAL COMMUNICATION, I/O MODULE NO. A TEMPERATURE SENSOR NO. 1 DEFECTIVE I/O-module A, temperature sensor 1, is defective or is not connected. Check terminal connections 5-6 and the sensor's polarity on I/O-module A. 3 second alarm delay.	B	0[3)]	1
36:3	528	EXTERNAL COMMUNICATION, I/O MODULE NO. A TEMPERATURE SENSOR NO. 2 DEFECTIVE I/O-module A, temperature sensor 2, is defective or is not connected. Check terminal connections 7-8 and the sensor's polarity on I/O-module A. 3 second alarm delay.	B	0[3)]	1
36:6	531	EXTERNAL COMMUNICATION, I/O MODULE NO. B COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communication with I/O module No. B. Check that the function selector switch on the I/O module is set to position B and that the cable is connected to COM 1-3 on the IQlogic controller. 10 second alarm delay.	B	0[3)]	1
36:7	532	EXTERNAL COMMUNICATION, I/O MODULE NO. B TEMPERATURE SENSOR NO. 1 DEFECTIVE I/O-module B, temperature sensor 1, is defective or is not connected. Check terminal connections 5-6 and the sensor's polarity on I/O-module B. 3 second alarm delay.	B	0[3)]	1
36:8	533	EXTERNAL COMMUNICATION, I/O MODULE NO. B TEMPERATURE SENSOR NO. 2 DEFECTIVE I/O-module B, temperature sensor 2, is defective or is not connected. Check terminal connections 7-8 and the sensor's polarity on I/O-module B. 3 second alarm delay.	B	0[3)]	1

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Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
36:11	536	EXTERNAL COMMUNICATION, I/O MODULE NO. C COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communication with I/O module No. C. Check that the function selector switch on the I/O module is set to position C and that the cable is connected to COM 1-3 on the IQlogic controller. 10 second alarm delay.	B	0[3)]	1
36:12	537	EXTERNAL COMMUNICATION, I/O MODULE NO. C TEMPERATURE SENSOR NO. 1 DEFECTIVE I/O-module C, temperature sensor 1, is defective or is not connected. Check terminal connections 5-6 and the sensor's polarity on I/O-module C. 3 second alarm delay.	B	0[3)]	1
36:13	538	EXTERNAL COMMUNICATION, I/O MODULE NO. C TEMPERATURE SENSOR NO. 2 DEFECTIVE I/O-module C, temperature sensor 2, is defective or is not connected. Check terminal connections 7-8 and the sensor's polarity on I/O-module C. 3 second alarm delay.	B	0[3)]	1
Alarm group 37: Spare					
Alarm group 38-40: MIRU 1-10[7)]. Applies to MIRU version 1 and 2					
38-47:1	556, 571, 586, 601, 616, 631, 646, 661, 676, 691	MIRU NO. 1-10 COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communication with MIRU Control. Check that the cable is connected to COM 4 on the IQlogic controller. Check that the polarity on the terminals in MIRU Control (A, B and GND) are correct and that the correct Modbus address and Modbus parameters are set in MIRU Control 10 second alarm delay.	A	0[3)]	1
38-47:2	557, 572, 587, 602, 617, 632, 647, 662, 677, 692	MIRU NO. 1-10 MOTOR CONTROL ALARM TRIPPED The MIRU motor control has tripped. Group alarm from the motor controller. Check that the mains voltage is correct and that all phases are present. Check that the motor is not overloaded and that the air flow temperatures are not too high (>40 °C). 5 second alarm delay.	A	0[3)]	1
38-47:3	558, 573, 588, 603, 618, 633, 648, 663, 678, 693	MIRU NO. 1-10 MOTOR CONTROL COMMUNICATION ERROR MIRU Control unit cannot establish correct communication with the power roof ventilator's motor controller. Check the connection between the motor controller and MIRU Control and that the polarity is correct on the terminals (A, B and GND). 5 second alarm delay.	A	0[3)]	1
38-47:4	559, 574, 589, 604, 619, 634, 649, 664, 679, 694	MIRU NO. 1-10 FLOW MEASUREMENT PRESSURE SENSOR NO. 0 COMMUNICATION ERROR The MIRU Control unit cannot establish correct communication with the power roof fan's flow measurement pressure sensor. Check that the function switch on the pressure sensor is set to the correct position depending on the variant and that the cable between the pressure sensor and MIRU Control is correctly connected. Variant 1 (function switch): Position 0 Variant 2 (DIP switch): (1=ON, 0=OFF) Switch 1-5 (0.0.0.0.0) 5 second alarm delay.	A	0[3)]	1

Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
38-47:5	560, 575, 590, 605, 620, 635, 650, 665, 680, 695	MIRU NO. 1-10 PRESSURE CONTROL SENSOR NO. 1 COMMUNICATION ERROR The MIRU Control unit cannot establish correct communication with the power roof fan's duct pressure sensor. Check that the function switch on the pressure sensor is set to the correct position depending on the variant and that the cable between the pressure sensor and MIRU Control is correctly connected. Variant 1 (function switch): Position 1 Variant 2 (DIP switch): (1=ON, 0=OFF) Switch 1-5 (1.0.0.0.0) 5 second alarm delay.	A	0[3)]	1
38-47:6	561, 576, 591, 606, 621, 636, 651, 666, 681, 696	MIRU NO. 1-10 TEMPERATURE SENSOR DEFECTIVE MIRU temperature sensor is defective or is not connected. Check that the sensor is connected on terminal 20-21. Resistive sensor of type PT 1000. 5 second alarm delay.	B	0[3)]	1
38-47:7	562, 577, 592, 607, 622, 637, 652, 667, 682, 697	MIRU NO. 1-10 FLOW/PRESSURE DEVIATION FROM THE SET POINT ALARM LIMIT The air flow/pressure has continuously exceeded or been below its set point by more than 20%. Check that the air hoses are connected correctly and that the duct system, dampers and nothing else obstruct the air flow. Check that the settings are within the fan's working range. The alarm is delayed 20 minutes in MIRU Control. 5 second alarm delay.	B	0[3)]	1
Alarm group 38-40: MIRU 1-3 [7)]. Applies to MIRU version 3					
38:1	556	MIRU NO. 1 COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communications with motor controller in MIRU. Check that the cable is connected to COM 4 on the IQlogic controller. Check that the polarity on the terminals in the motor controller and the bus circuit (A, B and GND). 10 second alarm delay.	A	0[3)]	1
39:1	571	MIRU NO. 2 COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communications with the motor controller in MIRU. Check that the cable is connected to COM 4 on the IQlogic controller. Check that the polarity on the terminals in the motor controller and the bus circuit (A, B and GND) are correct. Check that an addressing card is mounted in the control unit and that the function switch on the card is set to the correct position depending on the variant Variant 1 (function switch): Position 2 Variant 2 (DIP switch): (1=ON, 0=OFF) Switch 1-5 (0.1.0.0.0) Check that a jumper between Din1 and GND is connected on the motor controller's terminals. 10 second alarm delay.	A	0[3)]	1
40:1	586	MIRU NO. 3 COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communications with the motor controller in MIRU. Check that the cable is connected to COM 4 on the IQlogic controller. Check that the polarity on the terminals in the motor controller and the bus circuit (A, B and GND) are correct. Check that an addressing card is mounted in the control unit and that the function switch on the card is set to the correct position depending on the variant. Variant 1 (function switch): Position 2 Variant 2 (DIP switch): (1=ON, 0=OFF) Switch 1-5 (0.1.0.0.0) Check that a jumper between Din2 and GND is connected on the motor controller's terminals. 10 second alarm delay.	A	0[3)]	1

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Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
38-40:4	559, 574, 589	MIRU NO. 1-3 FLOW MEASUREMENT PRESSURE SENSOR NO. 0 COMMUNICATION ERROR GOLD cannot establish correct communications with the roof fan's flow measurement pressure sensor. Check that the function switch on the pressure sensor is set to the correct position depending on the variant and that the cable in the bus communication loop is connected to COM 4 on the IQlogic control unit. Also check the polarity (A, B and GND) Variant 1 (function switch): Position 0 Variant 2 (DIP switch): (1=ON, 0=OFF) Switch 1-5 (0.0.0.0.0) 5 second alarm delay.	A	0[3)]	1
38-40:5	560, 575, 590	MIRU NO. 1-3 PRESSURE CONTROL SENSOR NO. 1 COMMUNICATION ERROR GOLD cannot establish correct communications with the roof fan's duct pressure sensor. Check that the function switch on the pressure sensor is set to the correct position depending on the variant and that the cable in the bus communication loop is connected to COM 4 on the IQlogic control unit. Also check the polarity (A, B and GND) Variant 1 (function switch): Position 1 Variant 2 (DIP switch): (1=ON, 0=OFF) Switch 1-5 (1.0.0.0.0) 5 second alarm delay.	A	0[3)]	1
38-40:8	563, 578, 593	MIRU NO. 1-3 FLOW BELOW SET POINT ALARM LIMIT The flow has dropped below its set point by 10%, during a period longer than 20 minutes. Check that no dampers or anything else cause an abnormally high-pressure drop in the duct system. Check that hose connections and measurement tappings for the flow measurement are correct. Check that the flow set point value is not set to a higher value than the fan is capable of (the fans speed shows 100% on the hand-held terminal).	B	0	0
38-40:9	564, 579, 594	MIRU NO. 1-3 FLOW ABOVE SET POINT ALARM LIMIT The flow has exceeded its set point by more than 10%, during a longer period than 20 minutes. Check that hose connections and measurement tappings for the flow measurement are correct.	B	0	0
38-40:10	565, 580, 595	MIRU NO. 1-3 PRESSURE BELOW SET POINT ALARM LIMIT The pressure has dropped below its set point by 10%, during a period longer than 20 minutes. Check that the hoses are connected correctly. – must be connected to the extract air duct and + must measure the atmospheric pressure. Check that the pressure set point value is not set to a higher value than the fan is capable of (the fans speed shows 100% on the hand-held terminal).	B	0	0
38-40:11	566, 581, 596	MIRU NO. 1-3 PRESSURE ABOVE SET POINT ALARM LIMIT The pressure has exceeded its set point by more than 10%, during a longer period than 20 minutes. Check that no dampers or anything else cause an abnormally high-pressure drop in the duct system. Check that the hoses are connected correctly. – must be connected to the extract air duct and + must measure the atmospheric pressure. Check that the pressure set point value is not set to a lower value than the fan is capable of or the duct system is designed for.	B	0	0

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Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
Alarm group 48: Spare					
Alarm group 49-54: Supply air fan no. 1A-3B [8)]					
49-54:1	721, 736, 751, 766, 781, 796	SUPPLY AIR FAN 1-3/A-B COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communication with the supply air fan motor controller. Check that the cable in the bus communication circuit is connected to COM 6-11 on the IQlogic controller. Check that the supply to the motor controller and that the quick connection is connected correctly and that the motor protection/automatic circuit breaker in the electrical cabinet is switched on. 10 second alarm delay.	A	1[3)]	1
49-54:2	722, 737, 752, 767, 782, 797	SUPPLY AIR FAN 1-3/A-B MOTOR CONTROLLER OVERCURRENT High current supplied to motor. Check the load on the motor. 10 second alarm delay.	A[1)]	1[3)]	0
49-54:3	723, 738, 753, 768, 783, 798	SUPPLY AIR FAN 1-3/A-B MOTOR CONTROLLER UNDERVOLTAGE Voltage below the normal level is supplied. The alarm protects the electronics in the motor controller. Check the mains voltage and that regular voltage drops do not occur. The alarm trips 60 seconds after the motor controller's internal alarm conditions have tripped an alarm.	A[1)]	1[3)]	0
49-54:4	724, 739, 754, 769, 784, 799	SUPPLY AIR FAN 1-3/A-B MOTOR CONTROLLER OVERVOLTAGE Excessively high voltage is supplied. The alarm protects the electronics in the motor controller. Check the mains voltage and that regular voltage peaks do not occur. The alarm trips 10 seconds after the motor controller's internal alarm conditions have tripped an alarm.	A[1)]	1[3)]	0
49-54:5	725, 740, 755, 770, 785, 800	SUPPLY AIR FAN 1-3/A-B MOTOR CONTROLLER EXCESS TEMPERATURE High internal temperature. The internal temperature of the motor controller has exceeded 95 °C 10 second alarm delay.	A[1)]	1[3)]	0
49-54:6	726, 741, 756, 771, 786, 801	SUPPLY AIR FAN 1-3/A-B MOTOR CONTROL START UP ERROR Supply air fan does not rotate on a start up, rotates in wrong direction or rotates at excessively high speed. Check that the fan impeller is not blocked or that there is no large self-draught that causes self-rotation. 10 second alarm delay.	A[1)]	1[3)]	0
49-54:7	727, 742, 757, 772, 787, 802	SUPPLY AIR FAN 1-3/A-B MOTOR CONTROLLER UNEVEN PHASE VOLTAGE High voltage difference between the phases (3-phase, 400 V), which causes rippling. Check the mains voltage and that a phase it not missing. The alarm trips 10 seconds after the motor controller's internal alarm conditions have tripped an alarm.	A[1)]	1[3)]	1
49-54:8	728, 743, 758, 773, 788, 803	SUPPLY AIR FAN 1-3/A-B MOTOR CONTROLLER PHASE FAILURE Phase failure in motor controller. A phase is missing between the motor controller and motor. 10 second alarm delay.	A[1)]	1[3)]	1
49-54:9	729, 744, 759, 774, 789, 804	SUPPLY AIR FAN 1-3/A-B MOTOR CONTROLLER MEMORY ERROR Internal memory error in motor controller. Serious error in the motor controller's electronics. Replace the motor controller. 10 second alarm delay.	A[1)]	1[3)]	1

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Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
49-54:10	730, 745, 760, 775, 790, 805	SUPPLY AIR FAN 1-3/A-B MOTOR CONTROLLER CURRENT LIMITATION Current/Voltage limitation in motor controller. The alarm occurs to prevent an overcurrent alarm. The rotation speed of the fan is limited, which can result in a low flow alarm tripping (alarm 30:2 or 31.2). 60 second alarm delay.	B	0[3)]	1
49-51:11	731, 746, 761	SUPPLY AIR FAN 1A-3A MOTOR CONTROLLER INTERNAL COMMUNICATION ERROR Internal communication error in motor controller. Serious error in the motor controller's electronics. Replace the motor controller. 10 second alarm delay.	A	1[3)]	1
Alarm group 55-60: Extract air fan no. 1A-3B [9)]					
55-60:1	811, 826, 841, 856, 871, 886	EXTRACT AIR FAN 1-3/A-B COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communication with the extract air fan motor controller. Check that the cable in the bus communication circuit is connected to COM 6-11 on the IQlogic controller. Check that the supply to the motor controller and that the quick connection is connected correctly and that the motor protection/automatic circuit breaker in the electrical cabinet is switched on. 10 second alarm delay.	A	1[3)]	1
55-60:2	812, 827, 842, 857, 872, 887	EXTRACT AIR FAN 1-3/A-B MOTOR CONTROLLER OVERCURRENT High current supplied to motor. Check the load on the motor. 10 second alarm delay.	A[1)]	1[3)]	0
55-60:3	813, 828, 843, 858, 873, 888	EXTRACT AIR FAN 1-3/A-B MOTOR CONTROLLER UNDERVOLTAGE Voltage below the normal level is supplied. The alarm protects the electronics in the motor controller. Check the mains voltage and that regular voltage drops do not occur. The alarm trips 60 seconds after the motor controller's internal alarm conditions have tripped an alarm.	A[1)]	1[3)]	0
55-60:4	814, 829, 844, 859, 874, 889	EXTRACT AIR FAN 1-3/A-B MOTOR CONTROLLER OVERCURRENT Excessively high voltage is supplied. The alarm protects the electronics in the motor controller. Check the mains voltage and that regular voltage peaks do not occur. The alarm trips 10 seconds after the motor controller's internal alarm conditions have tripped an alarm.	A[1)]	1[3)]	0
55-60:5	815, 830, 845, 860, 875, 890	EXTRACT AIR FAN 1-3/A-B MOTOR CONTROLLER EXCESS TEMPERATURE High internal temperature. The internal temperature of the motor controller has exceeded 95 °C 10 second alarm delay.	A[1)]	1[3)]	0
55-60:6	816, 831, 846, 861, 876, 891	EXTRACT AIR FAN 1-3/A-B MOTOR CONTROLLER START UP ERROR Extract air fan does not rotate on a start up, rotates in wrong direction or rotates at excessively high speed. Check that the fan impeller is not blocked or that there is no large self-draught that causes self-rotation. 10 second alarm delay.	A[1)]	1[3)]	0
55-60:7	817, 832, 847, 862, 877, 892	EXTRACT AIR FAN 1-3/A-B MOTOR CONTROLLER UNEVEN PHASE VOLTAGE High voltage difference between the phases (3-phase, 400 V), which causes rippling. Check the mains voltage and that a phase it not missing. The alarm trips 10 seconds after the motor controller's internal alarm conditions have tripped an alarm.	A[1)]	1[3)]	1

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Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
55-60:8	818, 833, 848, 863, 878, 893	EXTRACT AIR FAN 1-3/A-B MOTOR CONTROLLER PHASE FAILURE Phase failure in motor controller. A phase is missing between the motor controller and motor. 10 second alarm delay.	A[1)]	1[3)]	1
55-60:9	819, 834, 849, 864, 879, 894	EXTRACT AIR FAN 1-3/A-B MOTOR CONTROLLER MEMORY ERROR Internal memory error in motor controller. Serious error in the motor controller's electronics. Replace the motor controller. 10 second alarm delay.	A[1)]	1[3)]	1
55-60:10	820, 835, 850, 865, 880, 895	EXTRACT AIR FAN 1-3/A-B MOTOR CONTROLLER CURRENT LIMITATION Current/Voltage limitation in motor controller. The alarm occurs to prevent an overcurrent alarm. The rotation speed of the fan is limited, which can result in a low flow alarm tripping (alarm 30:7 or 31.7). 60 second alarm delay.	B	0[3)]	1
55-57:11	821, 836, 851	EXTRACT AIR FAN 1A-3A MOTOR CONTROLLER INTERNAL COMMUNICATION ERROR Internal communication error in motor controller. Serious error in the motor controller's electronics. Replace the motor controller. 10 second alarm delay.	A	1[3)]	1
Alarm group 61: Supply air fan, I/O module					
61:1	901	SUPPLY AIR FAN NO. 1A I/O MODULE COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communication with supply air fan no. 1A I/O-module. Wrong type of motor controller has been installed. Change to the right type of motor controller. 10 second alarm delay.	A	1[3)]	1
61:6	906	SUPPLY AIR FAN NO. 2A I/O MODULE COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communication with supply air fan no. 2A I/O-module. Wrong type of motor controller has been installed. Change to the right type of motor controller. 10 second alarm delay.	A	1[3)]	1
61:11	911	SUPPLY AIR FAN NO. 3A I/O MODULE COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communication with supply air fan no. 3A I/O-module. Wrong type of motor controller has been installed. Change to the right type of motor controller. 10 second alarm delay.	A	1[3)]	1
Alarm group 62: Extract air fan, I/O module					
62:1	916	EXTRACT AIR FAN NO. 1A I/O MODULE COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communication with extract air fan no. 1A I/O-module. Wrong type of motor controller has been installed. Change to the right type of motor controller. 10 second alarm delay.	A	1[3)]	1
62:6	921	EXTRACT AIR FAN NO. 2A I/O MODULE COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communication with extract air fan no. 2A I/O-module. Wrong type of motor controller has been installed. Change to the right type of motor controller. 10 second alarm delay.	A	1[3)]	1

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Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
62:11	926	EXTRACT AIR FAN NO. 3A I/O MODULE COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communication with extract air fan no. 3A I/O-module. Wrong type of motor controller has been installed. Change to the right type of motor controller. 10 second alarm delay.	A	1[3)]	1
Alarm group 63: MIRU, I/O module					
63:1	931	MIRU NO. 1 I/O MODULE COMMUNICATIONS ERROR The air handling unit's control unit cannot establish correct communications with MIRU no. 1 I/O-module. The motor controller is equipped with an addressing card that should only sit in MIRU fan numbers 2 and 3. 10 second alarm delay.	A	1[3)]	1
63:6	936	MIRU NO. 2 I/O MODULE COMMUNICATIONS ERROR The air handling unit's control unit cannot establish correct communications with MIRU no. 2 I/O-module. The addressing card is missing or is defective. Check that the function selector switch on the addressing card is set to position 2. 10 second alarm delay.	A	1[3)]	1
63:11	941	MIRU NO. 3 I/O MODULE COMMUNICATIONS ERROR The air handling unit's control unit cannot establish correct communications with MIRU no. 3 I/O-module. The addressing card is missing or is defective. Check that the function selector switch on the addressing card is set to position 2. 10 second alarm delay.	A	1[3)]	1
Alarm group 64: Supply air fan (Alternative motor controller)					
64:1	946	SUPPLY AIR FAN NO. 1A GENERAL A-ALARM Expanded A-alarm in addition to previously specified motor controller alarm. 10 second alarm delay.	A	1	0
64:3	948	SUPPLY AIR FAN NO. 1A GENERAL B-ALARM Expanded B-alarm in addition to previously specified motor controller alarm. 10 second alarm delay.	B	0	1
64:5	950	SUPPLY AIR FAN NO. 1A GENERAL WARNING Expanded information messages, in addition to information messages in section 2.		0	1
64:6	951	SUPPLY AIR FAN NO. 2A GENERAL A-ALARM Expanded A-alarm in addition to previously specified motor controller alarm. 10 second alarm delay.	A	1	0
64:8	953	SUPPLY AIR FAN NO. 2A GENERAL B-ALARM Expanded B-alarm in addition to previously specified motor controller alarm. 10 second alarm delay.	B	0	1
64:10	955	SUPPLY AIR FAN NO. 2A GENERAL WARNING Expanded information messages, in addition to information messages in section 2.		0	1
64:11	956	SUPPLY AIR FAN NO. 3A GENERAL A-ALARM Expanded A-alarm in addition to previously specified motor controller alarm. 10 second alarm delay.	A	1	0
64:13	958	SUPPLY AIR FAN NO. 3A GENERAL B-ALARM Expanded B-alarm in addition to previously specified motor controller alarm. 10 second alarm delay.	B	0	1
64:15	960	SUPPLY AIR FAN NO. 3A GENERAL WARNING Expanded information messages, in addition to information messages in section 2.		0	1

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Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
Alarm group 65: Extract air fan (Alternative motor controller)					
65:1	961	EXTRACT AIR FAN NO. 1A GENERAL A-ALARM Expanded A-alarm in addition to previously specified motor controller alarm. 10 second alarm delay.	A	1	0
65:3	963	EXTRACT AIR FAN NO. 1A GENERAL B-ALARM Expanded B-alarm in addition to previously specified motor controller alarm. 10 second alarm delay.	B	0	1
65:5	965	EXTRACT AIR FAN NO. 1A GENERAL WARNING Expanded information messages, in addition to information messages in section 2.		0	1
65:6	966	EXTRACT AIR FAN NO. 2A GENERAL A-ALARM Expanded A-alarm in addition to previously specified motor controller alarm. 10 second alarm delay.	A	1	0
65:8	968	EXTRACT AIR FAN NO. 2A GENERAL B-ALARM Expanded B-alarm in addition to previously specified motor controller alarm. 10 second alarm delay.	B	0	1
65:10	970	EXTRACT AIR FAN NO. 2A GENERAL WARNING Expanded information messages, in addition to information messages in section 2.		0	1
65:11	971	EXTRACT AIR FAN NO. 3A GENERAL A-ALARM Expanded A-alarm in addition to previously specified motor controller alarm. 10 second alarm delay.	A	1	0
65:13	973	EXTRACT AIR FAN NO. 3A GENERAL B-ALARM Expanded B-alarm in addition to previously specified motor controller alarm. 10 second alarm delay.	B	0	1
65:15	975	EXTRACT AIR FAN NO. 3A GENERAL WARNING Expanded information messages, in addition to information messages in section 2.		0	1
Alarm group 66 – 69: Spare					
Alarm groups 70 – 74: Reversible heat pump/chiller HC					
70:1	1036	HC CONTROL UNIT COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communication with the HC control unit. Check that the cable in the bus communication circuit is connected to COM 4 on the IQlogic controller. Check that HC is energized and that the main switch on HC is switched on. 10 second alarm delay.	A	0	1
70:2	1037	HC CONTROL UNIT INTERNAL MEMORY ERROR HC control unit is defective. Reset the alarm on the HC control unit. If the alarm reoccurs the HC control unit must be replaced. 10 second alarm delay.	A	0	1
70:3	1038	HC CONTROL UNIT DEFECTIVE TIMER CIRCUIT HC control unit is defective. Reset the alarm on the HC control unit. If the alarm reoccurs the HC control unit must be replaced. 10 second alarm delay.	A	0	1

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Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
70:5	1040	HC DEFROSTING, PRESSURE SENSOR NO. D COMMUNICATION ERROR The air handling unit's controller cannot establish correct communication with pressure sensor No. D for HC defrosting. The air handling unit's controller cannot achieve correct communication with the HC defrosting pressure sensor. Check that the function switch on the pressure sensor is set to the correct position depending on the variant and that the cable in the bus communication loop is connected to COM 6-11 on the IQlogic control unit. Variant 1 (function switch): Position D Variant 2 (DIP switch): (1=ON, 0=OFF) Switch 1-5 (1.0.1.1.0) 10 second alarm delay.	A	0	1
70:6	1041	HC DEFROSTING, I/O MODULE NO. 5 COMMUNICATIONS ERROR The air handling unit's control unit cannot establish correct communication with I/O module No. 5 for HC defrosting. Check that the function selector switch on the I/O module is set to position 5 and that the cable is connected to COM 6-11 on the IQlogic controller. 10 second alarm delay.	A	0	1
70:7	1042	HC DEFROSTING, RECIRCULATION DAMPER MONITORING TRIPPED The damper actuator does not move to the right position. The position-confirming output signal from the damper is not the same as the input control signal. Check the terminal connections 31 (G) and 32 (GO on the IQlogic controller and terminal connections 2 (Y) and 8 (U) on the I/O module no. 5. Check that the damper and linkage arms do not jam. 3 minute alarm delay.	B	0	1
70:8	1043	HC DEFROSTING, EL. HEATING COIL TRIPPED The overheating protection has tripped or there is no supply voltage to the air heater HC. Check that there is air flow across the air heater. Reset the overheating protection on the electric air heater. 10 second alarm delay.	A	0	0
70:9	1044	HC DEFROSTING TIME OVER ALARM LIMIT HC defrosting time has been exceeded. Defrosting is adaptive and the alarm can occur in the event of quick changes in the weather or operating conditions. The alarm can also be a sequential alarm if alarm 70:7 or 70:8 has tripped. Reset the alarm on the HC control unit. 10 second alarm delay.	B	0	1
70:11	1045	HC DEFROST INTERVAL ABOVE ALARM LIMIT The need for defrosting has arisen within 20 minutes of the previous defrosting three times in a row. This may be because the previous defrosting has not been carried out correctly and may be linked to alarm 70:9.	B	0	1
70:12	1046	HC PHASE SEQUENCE ERROR Phase sequence protection for feed voltage to HC has tripped. Check that there is voltage on all phases. Change the phase sequence. Reset the alarm on the HC control unit. 5 second alarm delay.	A	0[3)]	0

Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
71:1	1051	HC COMPRESSOR MOTOR CONTROL COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communication with the HC compressor motor control. Check the connections and make sure there is supply voltage. Reset the alarm on the HC control unit. 10 second alarm delay.	A	0	1
71:2	1052	HC COMPRESSOR MOTOR CONTROL START-UP FAILURE The compressor motor does not rotate during start up. The alarm is generated by the compressor motor controller during start-up. Reset the alarm on the HC control unit. 10 second alarm delay.	A	0	1
71:3	1053	HC COMPRESSOR MOTOR CONTROL OVER OR UNDER VOLTAGE Low or high power supply to compressor motor control. The alarm protects the electronics in the compressor motor controller. Check the mains voltage and that regular voltage drops or voltage peaks do not occur. Reset the alarm on the HC control unit. 10 second alarm delay.	A	0	1
71:4	1054	HC COMPRESSOR OUTSIDE WORKING RANGE HC compressor works outside its ordinary working range. Check the cooling circuit (must be carried out by a qualified refrigeration engineer). Reset the alarm on the HC control unit. 10 second alarm delay.	A	0	1
71:9	1059	HC EXPANSION VALVE CONTROL COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communication with the HC expansion valve control. Check connections. Reset the alarm on the HC control unit. 10 second alarm delay.	A	0	1
72:1	1066	HC HIGH-PRESSURE MONITOR TRIPPED Alarm for high-pressure monitor HC has tripped. Make sure the air flow is not too low and that no dirt has become trapped in the fins on the coils. Check the coolant level and fill the cooling circuit if necessary (must be carried out by a qualified refrigeration engineer). Reset the high-pressure switch and reset the alarm on the HC control unit. 10 second alarm delay.	A	0	1
72:2	1067	HC HIGH PRESSURE ABOVE ALARM LIMIT The high-pressure alarm HC has tripped. Make sure the air flow is not too low. Check the coolant level and fill the cooling circuit if necessary (must be carried out by a qualified refrigeration engineer). Reset the alarm on the HC control unit. 10 second alarm delay.	A	0	1
72:3	1068	HC THERMAL CONTACT COMPRESSOR 1 TRIPPED Alarm for thermal contact HC compressor 1 has tripped. In the event of repeated alarms contact a qualified refrigeration engineer. Reset the alarm on the HC control unit. 10 second alarm delay.	A	0	1

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Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
72:4	1069	HC HOT GAS TEMPERATURE ABOVE ALARM LIMIT The hot gas temperature alarm HC has tripped. The hot gas temperature has exceeded 135°C. Make sure the air flow is not too low. Reset the alarm on the HC control unit. 10 second alarm delay.	A	0	1
72:5	1070	HC HOT GAS TEMPERATURE SENSOR DEFECTIVE Hot gas temperature sensor HC is defective or is not connected. Check the connections. Change the sensor if necessary Reset the alarm on the HC control unit. 10 second alarm delay.	A	0	1
72:6	1071	HC HIGH-PRESSURE SENSOR DEFECTIVE High-pressure sensor HC is defective or is not connected. Check the connections. Sensor replacement must be carried out by a qualified refrigeration engineer. Reset the alarm on the HC control unit. 10 second alarm delay.	A	0	1
72:7	1072	HC LOW-PRESSURE SENSOR DEFECTIVE Low-pressure sensor HC is defective or is not connected. Check the connections. Sensor replacement must be carried out by a qualified refrigeration engineer. Reset the alarm on the HC control unit. 10 second alarm delay.	A	0	1
72:8	1073	HC SUCTION GAS TEMPERATURE SENSOR DEFECTIVE Suction gas line temperature sensor HC is defective or is not connected. Check the connections. Change the sensor if necessary. Reset the alarm on the HC control unit. 10 second alarm delay.	A	0	1
72:9	1074	HC PRESSURE DIFFERENCE BELOW ALARM LIMIT The pressure difference HC alarm has tripped. The pressure differs too little between the low and high-pressure side. Contact a qualified refrigeration engineer. Reset the alarm on the HC control unit. 10 second alarm delay.	A	0	1
72:10	1075	HC SERVICE AND COMPRESSOR MAINTENANCE Service and compressor maintenance is required. Set service interval has been reached. Contact a qualified refrigeration engineer. Reset the alarm on the HC control unit. 10 second alarm delay.	B	0	1
72:11	1076	HC OVERHEATING TEMPERATURE BELOW ALARM LIMIT HC overheating temperature falls below the set alarm limit. Contact a qualified refrigeration engineer. Reset the alarm on the HC control unit. 10 second alarm delay.	A	0	1
72:12	1077	HC PRESSURE EQUALIZATION OF LOW PRESSURE HC pressure equalization low pressure has tripped. As a preventive measure, the HC capacity is regulated to prevent a low-pressure alarm tripping. 10 second alarm delay.	A	0	1

Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
72:13	1078	HC PRESSURE EQUALIZATION OF HIGH PRESSURE HC pressure equalization high pressure, has tripped. As a preventive measure, the HC capacity is regulated to prevent a high-pressure alarm tripping. 10 second alarm delay.	A	0	1
72:14	1079	HC LOW PRESSURE BELOW ALARM LIMIT HC low pressure falls below the set alarm limit. Make sure the air flow is not too low and that no dirt has become trapped in the fins on the coils. Check the coolant level and fill the cooling circuit if necessary (must be carried out by a qualified refrigeration engineer). Reset the alarm on the HC control unit. 10 second alarm delay.	A	0	1
72:15	1068	HC THERMAL CONTACT COMPRESSOR 2 TRIPPED Alarm for HC compressor 2 thermal contact has tripped. In the event of repeated alarms contact a qualified refrigeration engineer. Reset the alarm on the HC control unit. 10 second alarm delay.	A	0	1
Alarm group 75-76: Spare					
Alarm group 77 – 79: MIRU, motor controllers					
77-79:2	1142, 1157, 1172	MIRU NO. 1-3 MOTOR CONTROLLER OVERCURRENT Motor controller for roof ventilator MIRUVENT has registered excessively high current to the drive motor. Check the load on the motor. 10 second alarm delay.	A	0	0
77-79:3	1143, 1158, 1173	MIRU NO. 1-3 MOTOR CONTROLLER UNDERVOLTAGE Low supply voltage to the roof ventilator MIRUVENT's motor controller. The alarm protects the electronics in the motor controller. Check the mains voltage and that regular voltage drops do not occur. The alarm trips 60 seconds after the motor controller's internal alarm conditions have tripped an alarm.	A	0	0
77-79:4	1144, 1159, 1174	MIRU NO. 1-3 MOTOR CONTROLLER OVER VOLTAGE High supply voltage to the roof ventilator MIRUVENT's motor controller. The alarm protects the electronics in the motor controller. Check the mains voltage and that regular voltage peaks do not occur. The alarm trips 10 seconds after the motor controller's internal alarm conditions have tripped an alarm.	A	0	0
77-79:5	1145, 1160, 1175	MIRU NO. 1-3 MOTOR CONTROLLER OVER TEMPERATURE High internal temperature. The internal temperature of the motor controller has exceeded 95 °C 10 second alarm delay.	A	0	0
77-79:6	1146, 1161, 1176	MIRU NO. 1-3 MOTOR CONTROLLER START-UP FAILURE Drive motor does not rotate during start up. Check that the fan impeller is not blocked or that there is no large self-draught that causes self-rotation. 10 second alarm delay.	A	0	0
77-79:7	1147, 1162, 1177	MIRU NO. 1-3 MOTOR CONTROLLER UNEVEN PHASE VOLTAGE High voltage difference between the phases (3-phase, 400 V), which causes rippling. Check the mains voltage and that a phase it not missing. The alarm trips 10 seconds after the motor controller's internal alarm conditions have tripped an alarm.	A	0	1

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Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
77-79:8	1148, 1163, 1178	MIRU NO. 1-3 MOTOR CONTROLLER PHASE ERROR Phase failure in motor controller. A phase is missing between the motor controller and motor. 10 second alarm delay.	A	0	1
77-79:9	1149, 1164, 1179	MIRU NO. 1-3 MOTOR CONTROLLER INTERNAL MEMORY ERROR Internal memory error in motor controller. Serious error in the motor controller's electronics. Replace the motor controller. 10 second alarm delay.	A	0	1
77-79:10	1150, 1165, 1180	MIRU NO. 1-3 MOTOR CONTROLLER CURRENT LIMITATION Current/Voltage limitation in motor controller. The alarm occurs to prevent an overcurrent alarm. The rotation speed of the fan is limited, which can result in a low flow alarm tripping (alarm 38:8-40:8 and 38:10-40:10). 60 second alarm delay.	A	0	1
77-79:11	1151, 1166, 1181	MIRU NO. 1-3 MOTOR CONTROLLER INTERNAL COMMUNICATIONS ERROR Internal communication error in motor controller. Serious error in the motor controller's electronics. Replace the motor controller. 10 second alarm delay.	A	0	1
Alarm group 80: Spare					
Alarm group 81 – 84: SMART Link, supply air flow					
81-84:2	1202, 1217, 1232, 1247	SMART LINK NO. 1-4 SUPPLY AIR FLOW BELOW DEFROSTING ALARM LIMIT The alarm for supply air flow below defrosting alarm limit has tripped. Ensure the flow is above the min. limit for defrosting. Reset the alarm on the chiller/heat pump's control unit. 70 minute alarm delay.	A	0	1
81-84:3	1203, 1218, 1233, 1248	SMART LINK NO. 1-4 HIGH-PRESSURE MONITOR TRIPPED Alarm for high-pressure monitor has tripped. Make sure the air flow is not too low and that no dirt has become trapped in the fins on the coils. Check the coolant level and fill the cooling circuit if necessary (must be carried out by a qualified refrigeration engineer). Reset the high-pressure switch and reset the alarm on the chiller/heat pump's control unit. 30 second alarm delay.	A	0	1
81-84:4	1204, 1219, 1234, 1249	SMART LINK NO. 1-4 HIGH PRESSURE ABOVE ALARM LIMIT The high-pressure sensor measures higher pressure than preset alarm limit pressure. Make sure the air flow is not too low. Check the coolant level and fill the cooling circuit if necessary (must be carried out by a qualified refrigeration engineer). Reset the alarm on the chiller/heat pump's control unit. 30 second alarm delay.	A	0	1
81-84:5	1205, 1220, 1235, 1250	SMART LINK NO. 1-4 LOW PRESSURE BELOW ALARM LIMIT The low-pressure sensor measures lower pressure than the set alarm limit. Make sure the air flow is not too low and that no dirt has become trapped in the fins on the coils. Check the coolant level and fill the cooling circuit if necessary (must be carried out by a qualified refrigeration engineer). Reset the alarm on the chiller/heat pump's control unit. 30 second alarm delay.	A	0	1

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Alarm No. Display	Alarm No. Comm.	Alarm text Function	Priority 0 = Blocked A = A alarm B = B alarm	Stop 0 = In oper. 1 = Stop	Resetting 0 = manual 1 = automatic
81-84:6	1206, 1221, 1236, 1251	SMART LINK NO. 1-4 EVAPORATION TEMPERATURE BELOW ALARM LIMIT The evaporation temperature drops below the preset alarm limit for more than 30 seconds. Contact a qualified refrigeration engineer. Reset the alarm on the chiller/heat pump's control unit.	A	0	1
81-84:7	1207, 1222, 1237, 1252	SMART LINK NO. 1-4 GROUP ALARM FREQUENCY CONVERTER The frequency converter has tripped a group alarm. See alarm information on the display of the chiller/heat pump. Check that the mains voltage is correct and that all phases are present. Check that the compressor is not overloaded. Reset the alarm on the chiller/heat pump's control unit. 30 second alarm delay	A	0	1
81-84:8	1208, 1223, 1238, 1253	SMART LINK NO. 1-4 OUTSIDE WORKING RANGE SMART Link works outside its ordinary working range. Check the cooling circuit (must be carried out by a qualified refrigeration engineer). Reset the alarm on the chiller/heat pump's control unit. 30 second alarm delay.	A	0	1
81-84:9	1209, 1224, 1239, 1254	SMART LINK NO. 1-4 COMPRESSOR, START-UP FAILURE The compressor motor does not rotate during start up. The alarm is generated by the compressor motor controller during start-up. Reset the alarm on the chiller/heat pump's control unit. 30 second alarm delay.	A	0	1
81-84:10	1210, 1225, 1240, 1255	SMART LINK NO. 1-4 HOT GAS TEMPERATURE ABOVE ALARM LIMIT The hot gas temperature has exceeded the alarm limit. Make sure the air flow is not too low. Reset the alarm on the chiller/heat pump's control unit. 30 second alarm delay.	A	0	1
81-84:11	1211, 1226, 1241, 1256	SMART LINK NO. 1-4 PRESSURE DIFFERENCE BELOW ALARM LIMIT The pressure difference drops below the preset alarm limit for more than 30 seconds. The pressure differs too little between the low and high-pressure side. Contact a qualified refrigeration engineer. Reset the alarm on the chiller/heat pump's control unit.	A	0	1

[1] Cannot be blocked.
[2] The delay is adjustable.
[3] Adjustable.
[4] Stops the AHU if the temperature is below the adjustable limit.
[5] Inactive as factory setting.
[6] Contact Swegon or their representative.
[7] Alarm group 38 = MIRU Control 1. Alarm group 39 = MIRU Control 2. Alarm group 40 = MIRU Control 3. Alarm group 41 = MIRU Control 4. Alarm group 42 = MIRU Control 5. Alarm group 43 = MIRU Control 6. Alarm group 44 = MIRU Control 7. Alarm group 45 = MIRU Control 8. Alarm group 46 = MIRU Control 9. Alarm group 47 = MIRU Control 10.
[8] Alarm group 49 = Supply air fan 1A. Alarm group 50 = Supply air fan 2A. Alarm group 51 = Supply air fan 3A. Alarm group 52 = Supply air fan 1B. Alarm group 53 = Supply air fan 2B. Alarm group 54 = Supply air fan 3B.
[9] Alarm group 55 = Extrat air fan 1A. Alarm group 56 = Extrat air fan 2A. Alarm group 57 = Extrat air fan 3A. Alarm group 58 = Extrat air fan 1B. Alarm group 59 = Extrat air fan 2B. Alarm group 60 = Extrat air fan 3B.

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2. Information Messages

Information messages are displayed in the hand-held terminal. Information messages are displayed only when the terminal is in the Dashboard image.

Information messages provide information e.g. about necessary settings that have not been entered or unfavourable operating conditions.The information message is indicated by a blue circle in the alarm log button on the instrument panel.

Message No.	Message text
95:1	SUPPLY AIR PRE-FILTER CALIBRATION PERFORMED WHEN THE AIR FLOW RATE IS LOW The filter is calibrated at less than 50% of the unit's max. flow. The alarm can be reset and does not return until the next filter calibration is performed.
95:2	EXTRACT AIR PRE-FILTER CALIBRATION PERFORMED WHEN THE AIR FLOW RATE IS LOW The filter is calibrated at less than 50% of the unit's max. flow. The alarm can be reset and does not return until the next filter calibration is performed.
95:3	SUPPLY AIR AIR HANDLING UNIT FILTER CALIBRATION PERFORMED WHEN THE AIR FLOW RATE IS LOW The filter is calibrated at less than 50% of the unit's max. flow. The alarm can be reset and does not return until the next filter calibration is performed.
95:4	EXTRACT AIR AIR HANDLING UNIT FILTER CALIBRATION PERFORMED WHEN THE AIR FLOW RATE IS LOW The filter is calibrated at less than 50% of the unit's max. flow. The alarm can be reset and does not return until the next filter calibration is performed.
95:5	SUPPLY AIR END FILTER CALIBRATION PERFORMED WHEN THE AIR FLOW RATE IS LOW The filter is calibrated at less than 50% of the unit's max. flow. The alarm can be reset and does not return until the next filter calibration is performed.
95:14	REDUCED HUMIDITY RECOVERY TIME ABOVE ALARM LIMIT The "Reduced humidity recovery" operating mode has been active for two hours (adjustable). The message is reset manually and, while it is tripped, the operating mode is blocked.
95:15	HUMIDITY LEVEL SUPPLY AIR ABOVE OUTDOOR AIR LEVEL The absolute humidity level is higher in the supply air than in the outdoor air after the dehumidification function has been active for 2 minutes. The message is reset manually and, while it is active, the dehumidification function is blocked.
96:1	HC DEFROSTING CALIBRATION NOT PERFORMED Calibration is carried out at the factory. New calibration is required after replacing the control card or when a complete factory reset is performed. Calibration must not be performed when there is a risk of the air handling unit freezing.
96:2	HC DEFROSTING CALIBRATION NOT APPROVED HC defrosting calibration is performed, but read values are not approved. The pressure sensor must measure a pressure difference above 7.5 Pa. Check that the hoses are connected correctly. Flow regulation: The flow must be within ±25% of the set max speed flow on the hand-held terminal for calibration to be approved. Pressure regulation: The flow must be 50% of the GOLD air handling unit's max flow for calibration to be approved.
96:3	HC LIMIT FOR SUPPLY AIR FLOW IS BELOW THE FACTORY SETTING The set limit for the supply air flow is below the factory setting that permits HC operation.
96:4	HC LIMIT FOR EXTRACT AIR FLOW IS BELOW THE FACTORY SETTING The set limit for the extract air flow is below the factory setting that permits HC operation.
96:5	HC OUTDOOR TEMPERATURE LIMIT FOR HEATING BELOW THE FACTORY SETTING The set limit for the outdoor air temperature is below the factory setting (-25 °C) that permits HC operation.
97:1	CLOUD CONNECTION MISSING
97:2	CLOUD CERTIFICATE MISSING/EXPIRED
97:12	PLATE HEAT EXCHANGER BYPASS OPTIMIZATION NOT PERFORMED The function optimizes the bypass damper position during the defrosting cycle. Optimization is carried out at the factory. New Bypass optimization is required after replacing the control card or when a complete factory reset is performed.

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Message No.	Message text
97:13	PLATE HEAT EXCHANGER BYPASS OPTIMIZATION NOT APPROVED Bypass optimization for the plate heat exchanger is performed, but read values are not approved. The pressure sensor must measure a pressure difference above 15 Pa. Check that the hoses are connected correctly. Flow regulation: The flow must be within ±25% of the set high-speed flow on the hand-held terminal for calibration to be approved. Pressure regulation: The flow must be 50% of the GOLD air handling unit's max flow for calibration to be approved.
97:14	PLATE HEAT EXCHANGER DEFROSTING CALIBRATION NOT PERFORMED Calibration is carried out at the factory. New calibration is required after replacing the control card or when a complete factory reset is performed. Calibration must not be performed when there is a risk of the air handling unit freezing.
97:15	PLATE HEAT EXCHANGER DEFROSTING CALIBRATION NOT APPROVED Defrosting calibration for the plate heat exchanger is performed, but read values are not approved. The pressure sensor must measure a pressure difference above 15 Pa. Check that the hoses are connected correctly. Flow regulation: The flow must be within ±25% of the set max speed flow on the hand-held terminal for calibration to be approved.
98:1	SUPPLY AIR PRE-FILTER CALIBRATION NOT PERFORMED Pre-filter calibration, supply air, not performed after first start. Recurrent at 30 minute intervals. The message is not received after completed filter calibration.
98:2	SUPPLY AIR PRE-FILTER CALIBRATION NOT APPROVED In order for the calibration to start, a stable airflow must be achieved. Filter calibration continues until the right conditions occur or for max. 15 minutes. When the flow has been stable (variation of less than +/- 3%) for 30 seconds (adjustable), the calibration starts. The calibration continues for three minutes. The calibration fails if: The flow does not remain stable for 12 minutes. The filter pressure drop is not greater than 5 Pa. The flow does not exceed the minimum flow.
98:3	EXTRACT AIR PRE-FILTER CALIBRATION NOT PERFORMED Pre-filter calibration, extract air, not performed after first start. Recurrent at 30 minute intervals. The message is not received after completed filter calibration.
98:4	EXTRACT AIR PRE-FILTER CALIBRATION NOT APPROVED In order for the calibration to start, a stable airflow must be achieved. Filter calibration continues until the right conditions occur or for max. 15 minutes. When the flow has been stable (variation of less than +/- 3%) for 30 seconds (adjustable), the calibration starts. The calibration continues for three minutes. The calibration fails if: The flow does not remain stable for 12 minutes. The filter pressure drop is not greater than 5 Pa. The flow does not exceed the minimum flow.
98:5	SUPPLY AIR AHU FILTER CALIBRATION NOT PERFORMED Supply air AHU filter calibration, supply air, not performed after first start. Recurrent at 30 minute intervals. The message is not received after completed filter calibration.
98:6	SUPPLY AIR AHU FILTER CALIBRATION NOT APPROVED In order for the calibration to start, a stable airflow must be achieved. Filter calibration continues until the right conditions occur or for max. 15 minutes. When the flow has been stable (variation of less than +/- 3%) for 30 seconds (adjustable), the calibration starts. The calibration continues for three minutes. The calibration fails if: The flow does not remain stable for 12 minutes. The filter pressure drop is not greater than 5 Pa. The flow does not exceed the minimum flow.
98:7	EXTRACT AIR AHU FILTER CALIBRATION NOT PERFORMED AHU filter calibration, extract air, not performed after first start. Recurrent at 30 minute intervals. The message is not received after completed filter calibration.

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Message No.	Message text
98:8	EXTRACT AIR AHU FILTER CALIBRATION NOT APPROVED In order for the calibration to start, a stable airflow must be achieved. Filter calibration continues until the right conditions occur or for max. 15 minutes. When the flow has been stable (variation of less than +/- 3%) for 30 seconds (adjustable), the calibration starts. The calibration continues for three minutes. The calibration fails if: The flow does not remain stable for 12 minutes. The filter pressure drop is not greater than 5 Pa. The flow does not exceed the minimum flow.
98:9	SUPPLY AIR END FILTER CALIBRATION NOT PERFORMED End filter calibration, supply air, not performed after first start. Recurrent at 30 minute intervals. The message is not received after completed filter calibration.
98:10	SUPPLY AIR END FILTER CALIBRATION NOT APPROVED In order for the calibration to start, a stable airflow must be achieved. Filter calibration continues until the right conditions occur or for max. 15 minutes. When the flow has been stable (variation of less than +/- 3%) for 30 seconds (adjustable), the calibration starts. The calibration continues for three minutes. The calibration fails if: The flow does not remain stable for 12 minutes. The filter pressure drop is not greater than 5 Pa. The flow does not exceed the minimum flow.
98:11	ROTARY HEAT EXCHANGER DEFROSTING CALIBRATION NOT PERFORMED Defrost calibration, rotary heat exchanger, not performed after function was activated for first time. Recurrent at 30 minute intervals. The message is not received after completed heat exchanger calibration.
98:12	ROTARY HEAT EXCHANGER DEFROSTING CALIBRATION FAILURE Defrost calibration failure, rotary heat exchanger. Recurrent at 5 second intervals. The pressure sensor must measure a pressure difference above 15 Pa. Check that the hoses are connected correctly. Flow regulation: The flow must be within ±25% of the set max speed flow on the hand-held terminal for calibration to be approved. Pressure regulation: The flow must be 50% of the GOLD air handling unit's max flow for calibration to be approved
98:13	$ReCO_2$ CALIBRATION NOT PERFORMED $ReCO_2$ calibration not performed after function was activated for first time. Recurrent at 30 minute intervals. Message is not received after completed $ReCO_2$ calibration.
98:14	$ReCO_2$ CALIBRATION NOT APPROVED $ReCO_2$ calibration not approved. Recurrent at 5 second intervals. The pressure sensor must measure a pressure difference above 15 Pa. Check that the hoses are connected correctly. Flow regulation: The flow must be within ±25% of the set max speed flow on the hand-held terminal for calibration to be approved. Pressure regulation: The flow must be 50% of the GOLD air handling unit's max flow for calibration to be approved
98:15	$ReCO_2$ AN INCORRECT SETTING Extract air fan is selected for pressure regulation. Recurrent at 5 second intervals.
99:1	E-MAIL ERROR Error when sending e-mail. The message is received after ten tries.
99:5	FTP ERROR Error when sending to ftp. The message is received after ten tries.
99:7	SD SHORT MEMORY SOON FULL The SD card's memory is soon full. The oldest log data will soon be deleted. Factory default Off.
99:8	SD SHORT MEMORY FULL The SD card's memory is full. The oldest log data is being deleted. Factory default Off.

Message No.	Message text
99:9	IQLOGICS CPU2 RESTARTED, DUE TO CORRUPT SD CARD MEMORY. When the control system has detected a damaged SD card, this information message is activated. The message is only displayed when the damaged SD card is first detected, and the message disappears after the next restart. The SD card must be replaced, as otherwise the function cannot be used.
99:11	NO EXTERNAL OUTDOOR TEMPERATURE SENSOR CONNECTED FOR HEAT-RETAINING FUNCTION Temperature sensor for heat-retaining function is not fitted or is not connected correctly. Check that the outdoor temperature sensor is connected to COM 1-3 or that the outdoor temperature comes from a main control system via communications. Check that the function is activated on the hand-held terminal.
99:12	NO EXTRACT AIR/ROOM SENSOR CONNECTED The temperature sensor for the extract air is not fitted, or is connected incorrectly. Check that the temperature sensor is connected to COM 1-3 on the IQlogic controller or that the extract air temperature comes from a main control system via communications. Check that the function is enabled on the hand-held terminal.
99:14	INTERNAL SERIAL MEMORY ERROR CPU1 Internal serial memory error CPU1. Replace the control unit.
99:15	CLOCK CIRCUIT DEFECTIVE Circuit for the clock is defective. Replace the control unit.

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