

MANUAL FOR ALARMS AND INFORMATION MESSAGES

GOLD RX/PX/CX/SD

Generation F

Applicable to Program Version 1.30 and newer versions



Content

Innehåll

1. Alarm Descriptions with Factory Settings	3
2. Information Messages	35

The document was originally written in Swedish.

1. Alarm Descriptions with Factory Settings

Alarm No.	Alarm text Function	Priority	Stop	Delay	Resetting	
		0 = Blocked A = A alarm B = B alarm	0 = In oper. 1 = Stop	s = second m = minute h=hour	0 = manual 1 = automatic	
Display	Comm.					
Alarm group 1: Fire alarm						
1:1	1	EXTERNAL FIRE ALARM NO. 1 TRIPPED For the fire protection function connected to terminals 6-7.	A ¹⁾	1	3 s	0
1:2	2	EXTERNAL FIRE ALARM NO. 2 TRIPPED For the fire protection function connected to terminals 8-9.	A ¹⁾	1	3 s	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.	A ¹⁾	1	3 s	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.. Alarm delay adjustable 1-600 s.	A	1 ³⁾	1 s ²⁾	0
2:2	17	EXTERNAL ALARM NO. 2 TRIPPED External alarm, connected to control unit terminals 12-13, has tripped. Alarm delay adjustable 1-600 s.	B	0 ³⁾	1 s ²⁾	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.	A	0 ³⁾	10 s	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.	A ¹⁾	0 ³⁾	10 s	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.	A ¹⁾	1	5 s	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	3 s	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⁾	3 s	1
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⁾	10 m	0

Alarm No.		Alarm text Function	Priority	Stop	Delay	Resetting
Display	Comm.		0 = Blocked	0 = In oper.	s = second	0 = manual
			A = A alarm	1 = Stop	m = minute	1 = automatic
			B = B alarm		h=hour	
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⁾	20 m	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	20 s	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⁾	10 s	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⁾	10 s	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	5 s	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	3 s	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⁾	10 m	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	20 s	0
4:7	52	EXTRA REGULATION SEQUENCE 1, TEMPERATURE PROTECTION FROM COMMUNICATION ERROR The air handling unit's control unit does not receive the temperature via the external communications interface within the set time limit. 5 minute alarm delay.	B	0	5 m	1

Alarm No.		Alarm text Function	Priority	Stop	Delay	Resetting
Display	Comm.		0 = Blocked	0 = In oper.	s = second	0 = manual
			A = A alarm	1 = Stop	m = minute	1 = automatic
			B = B alarm		h=hour	
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	3 s	1
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⁾	10 s	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. 10 second alarm delay.	A ¹⁾	0 ³⁾	10 s	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	5 s	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	3 s	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⁾	10 m	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	20 s	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	3 s	1

Alarm No.		Alarm text Function	Priority	Stop	Delay	Resetting
Display	Comm.		0 = Blocked	0 = In oper.	s = second	0 = manual
			A = A alarm	1 = Stop	m = minute	1 = automatic
			B = B alarm		h=hour	
Alarm group 5: Reheating						
5:1	61	RE-HEAT, ELECTRICAL HEATER OVER HEAT 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⁾	10 s	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	5 s	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	3 s	1
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⁾	10 m	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	20 s	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⁾	10 s	1
6:2	77	Xzone, ELECTRICAL HEATER OVERHEAT PROTECTION TRIPPED OR SUPPLY VOLTAGE MISSING The overheating protection has tripped or there is no supply voltage to the electrical heater.	A ¹⁾	0 ³⁾	10 s	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	5 s	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	3 s	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⁾	3 s	1

Alarm No.		Alarm text Function	Priority	Stop	Delay	Resetting
Display	Comm.		0 = Blocked	0 = In oper.	s = second	0 = manual
			A = A alarm	1 = Stop	m = minute	1 = automatic
			B = B alarm		h=hour	
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⁾	10 m	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⁾	20 m	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⁾	20 m	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	20 s	0
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⁾	10 s	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⁾	3 s	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⁾	10 m	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⁾	20 m	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	20 s	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	20 s	0

Alarm No.		Alarm text Function	Priority	Stop	Delay	Resetting
Display	Comm.		0 = Blocked	0 = In oper.	s = second	0 = manual
			A = A alarm	1 = Stop	m = minute	1 = automatic
			B = B alarm		h=hour	
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⁾	10 s	0
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	20 s	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	20 s	0
Alarm group 9: Spare						
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⁾	3 s	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⁾	3 s	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⁾	3 s	1

Alarm No.		Alarm text Function	Priority	Stop	Delay	Resetting
Display	Comm.		0 = Blocked	0 = In oper.	s = second	0 = manual
			A = A alarm	1 = Stop	m = minute	1 = automatic
			B = B alarm		h=hour	
10:4	139	<p>EXTRACT AIR TEMPERATURE SENSOR FOR DENSITY COMPENSATION DEFECTIVE (GOLD RX/PX/CX)</p> <p>The temperature sensor in the extract air fan intake cannot establish correct communications or shows an incorrect value.</p> <p>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.</p> <p>GOLD RX</p> <p>Exhaust air regulation has been selected, but the temperature sensor in the exhaust air is defective or is not connected.</p>	B	0 ³⁾	3 s	1
10:5	140	<p>EXTRACT AIR TEMPERATURE SENSOR FOR HEAT EXCHANGER DEFROSTING DEFECTIVE</p> <p>Temperature sensor, for heat exchanger defrosting is defective.</p> <p>Check that the sensor is connected to COM 6-11 on the IQlogic controller. 10 second alarm delay.</p>	A	1 ³⁾	10 s	1
10:6	141	<p>EXTRACT AIR TEMPERATURE SENSOR FOR DENSITY COMPENSATION IN SD AIR HANDLING UNIT DEFECTIVE</p> <p>The temperature sensor in the extract air fan intake cannot establish correct communications or shows an incorrect value.</p> <p>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.</p>	A	1 ³⁾	10 s	1
10:7	142	<p>EXTRACT AIR DUCT TEMPERATURE SENSOR DEFECTIVE</p> <p>External temperature sensor in the extract air duct is defective or is not connected.</p> <p>Check that the sensor is connected to COM 1-3 on the IQlogic controller. 10 second alarm delay.</p>	A	1 ³⁾	10 s	1
10:10	145	<p>OUTDOOR AIR TEMPERATURE SENSOR DEFECTIVE (GOLD SD)</p> <p>Outdoor temperature sensor is defective or is not connected.</p> <p>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 right-hand side) or "Sensor 2" (the sensor placed on the left-hand side). 3 second alarm delay.</p>	B	0 ³⁾	3 s	1

Alarm No.		Alarm text Function	Priority	Stop	Delay	Resetting
Display	Comm.		0 = Blocked	0 = In oper.	s = second	0 = manual
			A = A alarm	1 = Stop	m = minute	1 = automatic
			B = B alarm		h=hour	
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⁾	10 s	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⁾	10 s	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⁾	10 s	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⁾	10 s	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⁾	10 s	1

Alarm No.		Alarm text Function	Priority	Stop	Delay	Resetting
Display	Comm.		0 = Blocked	0 = In oper.	s = second	0 = manual
			A = A alarm	1 = Stop	m = minute	1 = automatic
			B = B alarm		h=hour	
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⁾	10 s	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⁾	10 s	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⁾	10 s	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 room 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⁾	10 s	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 room 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⁾	10 s	1

Alarm No.		Alarm text Function	Priority	Stop	Delay	Resetting
Display	Comm.		0 = Blocked	0 = In oper.	s = second	0 = manual
			A = A alarm	1 = Stop	m = minute	1 = automatic
			B = B alarm		h=hour	
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 room 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⁾	10 s	1
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 room 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⁾	10 s	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⁾	5 m ²⁾	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⁾	5 m ²⁾	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⁾	5 m ²⁾	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⁾	20 m	0

Alarm No.		Alarm text Function	Priority	Stop	Delay	Resetting
Display	Comm.		0 = Blocked	0 = In oper.	s = second	0 = manual
			A = A alarm	1 = Stop	m = minute	1 = automatic
			B = B alarm		h=hour	
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⁾	20 m	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⁾	20 m	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⁾	30 s ²⁾	0
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⁾	2 hrs.	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⁾	10 s	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⁾	10 s	1

Alarm No.		Alarm text Function	Priority	Stop	Delay	Resetting
Display	Comm.		0 = Blocked	0 = In oper.	s = second	0 = manual
			A = A alarm	1 = Stop	m = minute	1 = automatic
			B = B alarm		h=hour	
13:3	184	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⁾	10 s	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⁾	10 sec.	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⁾	10 s	0
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⁾	10 s	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⁾	60 s	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⁾	60 s	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⁾	60 s	1
Alarm group 14: Spare						

Alarm No.		Alarm text Function	Priority	Stop	Delay	Resetting
Display	Comm.		0 = Blocked	0 = In oper.	s = second	0 = manual
			A = A alarm	1 = Stop	m = minute	1 = automatic
			B = B alarm		h=hour	
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}	10 s	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}	3 s	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}	3 s	1
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}	10 m	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}	10 s	1

Alarm No.		Alarm text Function	Priority	Stop	Delay	Resetting
Display	Comm.		0 = Blocked	0 = In oper.	s = second	0 = manual
			A = A alarm	1 = Stop	m = minute	1 = automatic
			B = B alarm		h=hour	
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)}	10 m	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)}	10 m	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)}	10 m	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)}	10 s	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)}	10 m	0

Alarm No.		Alarm text Function	Priority	Stop	Delay	Resetting
Display	Comm.		0 = Blocked	0 = In oper.	s = second	0 = manual
			A = A alarm	1 = Stop	m = minute	1 = automatic
			B = B alarm		h=hour	
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⁾	2 h	0
15:14	224	PLATE HEAT EXCHANGER, DEFROST PRESSURE SENSOR NO. C COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communications with defrosting sensor C for the plate heat exchanger. Check that the function selector switch on the pressure sensor is set to position C and that the cable is connected to COM 6-11 on the IQlogic controller. 10 minute alarm delay.	B	0	10 m	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	2.4 h	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⁾	10 s	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⁾	3 s	1

Alarm No.		Alarm text Function	Priority	Stop	Delay	Resetting
Display	Comm.		0 = Blocked	0 = In oper.	s = second	0 = manual
			A = A alarm	1 = Stop	m = minute	1 = automatic
			B = B alarm		h=hour	
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}	10 m	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}	20 s	0
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	10 s	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	10 m	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	5 m	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	10 s	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}	10 s	1

Display	Alarm No. Comm.	Alarm text Function	Priority	Stop	Delay	Resetting
			0 = Blocked	0 = In oper.	s = second	0 = manual
			A = A alarm	1 = Stop	m = minute	1 = automatic
			B = B alarm		h=hour	
17:2	242	ROTARY HEAT EXCHANGER, DEFROST PRESSURE SENSOR NO. 7 COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communications with the heat exchanger's pressure sensor no. 7. Applicable to the defrosting function only. Check that the function selector switch on the pressure sensor is set to position 7 and that the cable is connected to COM 6-11 on the IQlogic controller. 10 second alarm delay.	B	0 ³⁾	10 s	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⁾	2,4 h	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. Check that the sensor receives a pulse and if necessary adjust the distance between the sensor and the metal clip. 3 second alarm delay.	A ¹⁾	1 ³⁾⁴⁾	3 s	0
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⁾	3 s	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⁾	3 s	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⁾	3 s	0

Alarm No.		Alarm text Function	Priority	Stop	Delay	Resetting
Display	Comm.		0 = Blocked	0 = In oper.	s = second	0 = manual
			A = A alarm	1 = Stop	m = minute	1 = automatic
			B = B alarm		h=hour	
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⁾	3 s	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⁾	3 s	0
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⁾	10 s	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⁾	3 s	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⁾	10 m	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⁾	20 s	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⁾	30 m	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⁾	30 m	0

Alarm No.		Alarm text Function	Priority	Stop	Delay	Resetting
Display	Comm.		0 = Blocked	0 = In oper.	s = second	0 = manual
			A = A alarm	1 = Stop	m = minute	1 = automatic
			B = B alarm		h=hour	
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⁾	3 s	1
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⁾	10 m	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⁾	20 s	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⁾	30 m	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⁾	30 m	0
Alarm group 19-20: 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⁾	10 s	1
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⁾	5 s	1

Alarm No.		Alarm text Function	Priority	Stop	Delay	Resetting
Display	Comm.		0 = Blocked	0 = In oper.	s = second	0 = manual
			A = A alarm	1 = Stop	m = minute	1 = automatic
			B = B alarm		h=hour	
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⁾	5 s	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⁾	5 s	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⁾	3 s	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⁾	20 s	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⁾	10 s	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⁾	5 s	1
21:9	309	COOL DX, COMPRESSOR NO. 2 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⁾	5 s	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⁾	5 s	1

Alarm No. Display	Comm.	Alarm text Function	Priority	Stop	Delay	Resetting
			0 = Blocked	0 = In oper.	s = second	0 = manual
			A = A alarm	1 = Stop	m = minute	1 = automatic
			B = B alarm		h=hour	
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⁾	3 s	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⁾	20 s	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⁾	10 s	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⁾	3 s	1
21:15	315	COOL DX, PHASE SEQUENCE MONITOR ERROR 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⁾	5 s	0
Alarm group 22: Spare						
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.	A	0 ³⁾	30 s	1
23:2	332	SMART Link, ALARM LEVEL 1 TRIPPED Chiller/heat pump has tripped, group alarm level 1.	B	0 ³⁾	30 s	0
23:3	333	SMART Link, ALARM LEVEL 2 TRIPPED Chiller/heat pump has tripped, group alarm level 2.	B	0 ³⁾	30 s	0
23:4	334	SMART Link, ALARM LEVEL 3 TRIPPED Chiller/heat pump has tripped, group alarm level 3.	B	0 ³⁾	30 s	0
23:10	340	AQUA Link, I/O MODULE NO. 5 COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communication with I/O module no. 5, AQUA Link	B	0 ³⁾	10 s	1
23:11	341	AQUA Link, PUMP MONITORING TRIPPED Pump to AQUA Link is defective.	B	0 ³⁾	10 s	0

Alarm No.		Alarm text Function	Priority	Stop	Delay	Resetting
Display	Comm.		0 = Blocked	0 = In oper.	s = second	0 = manual
			A = A alarm	1 = Stop	m = minute	1 = automatic
			B = B alarm		h=hour	
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.	A	0 ³⁾	30 s	1
24:2	347	SMART Link, no. 1 alarm tripped Chiller 1 defective.	A	0 ³⁾	30 s	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.	A	0 ³⁾	30 s	1
24:5	350	SMART Link, no. 2 alarm tripped Chiller 2 defective.	A	0 ³⁾	30 s	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.	A	0 ³⁾	30 s	1
24:8	353	SMART Link, no. 3 alarm tripped Chiller 3 defective.	A	0 ³⁾	30 s	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.	A	0 ³⁾	30 s	1
24:11	356	SMART Link, no. 4 alarm tripped Chiller 4 defective.	A	0 ³⁾	30 s	1
24:13	358	SMART Link, supply air alarm flow below alarm limit The alarm supply air flow below alarm limit has tripped.	A	0	10 m	1
Alarm group 24-25: Spare						
Alarm group 26: Pre-filter						
26:1	376	PRE-FILTER, SUPPLY AIR PRESSURE SENSOR NO. 8 COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communication with the sensor of the supply air pre-filter.	B	0 ³⁾	10 s	1
26:2	377	PRE-FILTER, SUPPLY AIR FOULED The pressure across the supply air pre-filter exceeds the preset alarm limit for more than 10 minutes.	B	0 ³⁾	10 m	0
26:7	382	PRE-FILTER, EXTRACT AIR PRESSURE SENSOR NO. 9 COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communication with the sensor of the extract air pre-filter.	B	0 ³⁾	10 s	1
26:8	383	PRE-FILTER, EXTRACT AIR FOULED The pressure across the extract air pre-filter exceeds the preset alarm limit for more than 10 minutes.	B	0 ³⁾	10 m	0
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 control unit cannot establish correct communication with the sensor of the AHU supply air filter.	B	0 ³⁾	10 s	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.	B	0 ³⁾	10 m	0

Alarm No.		Alarm text Function	Priority	Stop	Delay	Resetting
Display	Comm.		0 = Blocked	0 = In oper.	s = second	0 = manual
			A = A alarm	1 = Stop	m = minute	1 = automatic
			B = B alarm		h=hour	
27:7	397	AHU FILTER, EXTRACT AIR PRESSURE SENSOR NO. 3/4 COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communication with the sensor of the AHU extract air filter.	B	0 ³⁾	10 s	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.	B	0 ³⁾	10 m	0
Alarm group 28: Final filter						
28:1	406	END FILTER, SUPPLY AIR PRESSURE SENSOR NO. A COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communication with the sensor of the supply air end filter.	B	0 ³⁾	10 s	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.	B	0 ³⁾	10 m	0
Alarm group 29: Spare						
Alarm group 30: Flow measurement						
30:1	436	AIRFLOW MEASUREMENT, SUPPLY AIR PRESSURE SENSOR NO. 1/2 COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communication with the flow pressure sensor in the supply air.	A	1 ³⁾	10 s	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.	B	0 ³⁾	20 m	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.	B	0 ³⁾	20 m	0
30:6	441	AIRFLOW MEASUREMENT, EXTRACT AIR PRESSURE SENSOR NO. 1/2 COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communication with the flow pressure sensor in the extract air.	A	1 ³⁾	10 s	1
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.	B	0 ³⁾	20 m	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.	B	0 ³⁾	20 m	0
30:11	446	AIRFLOW MEASUREMENT, PURGING PRESSURE SENSOR NO. B COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communication with the sensor of the rotary heat exchanger purging sector.	B	0 ³⁾	10 s	1

Alarm No.		Alarm text Function	Priority	Stop	Delay	Resetting
Display	Comm.		0 = Blocked	0 = In oper.	s = second	0 = manual
			A = A alarm	1 = Stop	m = minute	1 = automatic
			B = B alarm		h=hour	
Alarm group 31: Pressure regulation						
31:1	451	PRESSURE REGULATION, SUPPLY AIR PRESSURE SENSOR NO. 5 COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communication with the duct pressure sensor in the supply air. Applies only to pressure regulation of the supply air.	A	1 ³⁾	10 s	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).	B	0 ³⁾	20 m	0
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).	B	0 ³⁾	20 m	0
31:6	456	PRESSURE REGULATION, EXTRACT AIR PRESSURE SENSOR NO. 6 COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communication with the duct pressure sensor in the extract air. Applies only to pressure regulation of the extract air.	A	1 ³⁾	10 s	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).	B	0 ³⁾	20 m	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).	B	0 ³⁾	20 m	0
Alarm group 32: ReCO₂/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.	A	0 ³⁾	10 s	1
32:2	467	ReCO ₂ , PRESSURE SENSOR NO. 0 COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communication with the pressure sensor.	A	0 ³⁾	10 s	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.	B	0 ³⁾	10 m	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.	B	0 ³⁾	10 m	0

Alarm No.		Alarm text Function	Priority	Stop	Delay	Resetting
Display	Comm.		0 = Blocked	0 = In oper.	s = second	0 = manual
			A = A alarm	1 = Stop	m = minute	1 = automatic
			B = B alarm		h=hour	
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.	B	0 ³⁾	5 s ²⁾	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.	B	0 ³⁾	10 s	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.	B	0 ³⁾	10 s	1
Alarm group 35: Booster diffusers						
35:1	511	BOOSTER AIR TERMINALS, 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.	B	0 ³⁾	10 s	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.	B	0 ³⁾	10 s	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.	B	0 ³⁾	3 s	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.	B	0 ³⁾	3 s	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.	B	0 ³⁾	10 s	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.	B	0 ³⁾	3 s	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.	B	0 ³⁾	3 s	1

Alarm No.		Alarm text Function	Priority	Stop	Delay	Resetting
Display	Comm.		0 = Blocked	0 = In oper.	s = second	0 = manual
			A = A alarm	1 = Stop	m = minute	1 = automatic
			B = B alarm		h=hour	
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.	B	0 ³⁾	10 s	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.	B	0 ³⁾	3 s	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.	B	0 ³⁾	3 s	1
Alarm group 37: Spare						
Alarm group 38-47: MIRU 1-10 ⁷⁾						
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 communications with MIRU.	A	0 ³⁾	10 s	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.	A	0 ³⁾	5 s	1
38-47:3	558, 573, 588, 603, 618, 633, 648, 663, 678, 693	MIRU NO. 1-10 MOTOR CONTROL COMMUNICATION ERROR MIRU cannot establish correct communications with the power roof ventilator's motor controller.	A	0 ³⁾	5 s	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 MIRU cannot establish correct communications with the power roof ventilator's flow measurement pressure sensor.	A	0 ³⁾	5 s	1
38-47:5	560, 575, 590, 605, 620, 635, 650, 665, 680, 695	MIRU NO. 1-10 PRESSURE REGULATION SENSOR NO. 1 COMMUNICATION ERROR MIRU cannot establish correct communications with the power roof ventilator's duct pressure sensor.	A	0 ³⁾	5 s	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.	B	0 ³⁾	5 s	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%.	B	0 ³⁾	5 s	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 for a period longer than 30 seconds.	B	0	1200 s	0

Alarm No.		Alarm text Function	Priority	Stop	Delay	Resetting
Display	Comm.		0 = Blocked	0 = In oper.	s = second	0 = manual
			A = A alarm	1 = Stop	m = minute	1 = automatic
			B = B alarm		h=hour	
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 that 10%, during a longer period than 20 minutes.	B	0	1200 s	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 for a period longer than 30 seconds.	B	0	1200 s	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 that 10%, during a longer period than 20 minutes.	B	0	1200 s	0
Alarm group 49-54: Supply air fan no. 1A-3B⁸⁾						
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.	A	1 ³⁾	10 s	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	A ¹⁾	1 ³⁾	10 s	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.	A ¹⁾	1 ³⁾	60 s	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.	A ¹⁾	1 ³⁾	10 s	0
49-54:5	725, 740, 755, 770, 785, 800	SUPPLY AIR FAN 1-3/A-B MOTOR CONTROLLER EXCESS TEMPERATURE High internal temperature.	A ¹⁾	1 ³⁾	10 s	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.	A ¹⁾	1 ³⁾	10 s	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.	A ¹⁾	1 ³⁾	10 s	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 ¹⁾	1 ³⁾	10 s	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.	A ¹⁾	1 ³⁾	10 s	1
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.	B	0 ³⁾	60 s	1
49-51:11	731, 746, 761	SUPPLY AIR FAN 1A-3A MOTOR CONTROLLER INTERNAL COMMUNICATION ERROR Internal communication error in motor controller.	A	1 ³⁾	10 s	1
Alarm group 55-60: Extract air fan no. 1A-3B⁹⁾						
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.	A	1 ³⁾	10 s	1

Alarm No.		Alarm text Function	Priority	Stop	Delay	Resetting
Display	Comm.		0 = Blocked	0 = In oper.	s = second	0 = manual
			A = A alarm	1 = Stop	m = minute	1 = automatic
			B = B alarm		h=hour	
55-60:2	812, 827, 842, 857, 872, 887	EXTRACT AIR FAN 1-3/A-B MOTOR CONTROLLER OVER-CURRENT High current supplied to motor	A ¹⁾	1 ³⁾	3 s	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.	A ¹⁾	1 ³⁾	60 s	0
55-60:4	814, 829, 844, 859, 874, 889	EXTRACT AIR FAN 1-3/A-B MOTOR CONTROLLER OVER-CURRENT Excessively high voltage is supplied.	A ¹⁾	1 ³⁾	3 s	0
55-60:5	815, 830, 845, 860, 875, 890	EXTRACT AIR FAN 1-3/A-B MOTOR CONTROLLER EXCESS TEMPERATURE High internal temperature.	A ¹⁾	1 ³⁾	3 s	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.	A ¹⁾	1 ³⁾	3 s	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.	A ¹⁾	1 ³⁾	5 s	1
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 ¹⁾	1 ³⁾	5 s	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.	A ¹⁾	1 ³⁾	5 s	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.	B	0 ³⁾	60 s	1
55-57:11	821, 836, 851	EXTRACT AIR FAN 1A-3A MOTOR CONTROLLER INTERNAL COMMUNICATION ERROR Internal communication error in motor controller.	A	1 ³⁾	5 s	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.	A	1 ³⁾	10 s	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.	A	1 ³⁾	10 s	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.	A	1 ³⁾	10 s	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.	A	1 ³⁾	10 s	1

Alarm No.		Alarm text Function	Priority	Stop	Delay	Resetting
Display	Comm.		0 = Blocked	0 = In oper.	s = second	0 = manual
			A = A alarm	1 = Stop	m = minute	1 = automatic
			B = B alarm		h=hour	
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.	A	1 ³⁾	10 s	1
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.	A	1 ³⁾	10 s	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.	A	1 ³⁾	10 s	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.	A	1 ³⁾	10 s	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.	A	1 ³⁾	10 s	1
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.	A	0	10 s	1
70:2	1037	HC CONTROL UNIT GROUP ALARM TRIPPED The HC control unit has tripped a common fault alarm	A	0	10 s	1
70:3	1038	HC CONTROL UNIT DEFECTIVE TIMER CIRCUIT HC control unit is defective or is not connected.	A	0	10 s	1
70:5	1040	HC DEFROSTING, PRESSURE SENSOR NO. D COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communication with the pressure sensor no. D for HC defrosting.	A	0	10 s	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.	A	0	10 s	1
70:7	1042	HC DEFROSTING, RECIRCULATION DAMPER MONITORING TRIPPED Recirculation damper alarm HC defrosting has tripped.	B	0	180 s	1
70:8	1043	HC DEFROSTING, EL. HEATING COIL TRIPPED Electric air heating coil alarm HC defrosting has tripped.	A	0	10 s	0
70:9	1044	HC DEFROSTING TIME CIRCUIT 1 ABOVE ALARM LIMIT HC defrosting time for circuit 1 has been exceeded.	B	0	10 s	1
70:12	1046	HC PHASE SEQUENCE ERROR Phase sequence protection for feed voltage to HC has tripped.	A	0 ³⁾	5 s	0
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.	A	0	10 s	1

Alarm No.		Alarm text Function	Priority	Stop	Delay	Resetting
Display	Comm.		0 = Blocked	0 = In oper.	s = second	0 = manual
			A = A alarm	1 = Stop	m = minute	1 = automatic
			B = B alarm		h=hour	
71:2	1052	HC COMPRESSOR MOTOR CONTROL START-UP FAILURE The compressor motor does not rotate during start up.	A	0	10 s	1
71:3	1053	HC COMPRESSOR MOTOR CONTROL OVER OR UNDER VOLTAGE Low or high power supply to compressor motor control.	A	0	10 s	1
71:4	1054	HC COMPRESSOR OUTSIDE WORKING RANGE HC compressor works outside its ordinary working range.	A	0	10 s	1
71:9	1059	HC EXPANSION VALVE CONTROL CIRCUIT 1 COMMUNICATION ERROR The air handling unit's control unit cannot establish correct communication with the HC expansion valve control circuit 1.	A	0	10 s	1
72:1	1066	HC HIGH PRESSURE MONITOR CIRCUIT 1 TRIPPED The high pressure monitor alarm HC circuit 1, has tripped.	A	0	10 s	1
72:2	1067	HC HIGH PRESSURE CIRCUIT 1 ABOVE ALARM LIMIT The high pressure alarm HC circuit 1, has tripped.	A	0	10 s	1
72:3	1068	HC THERMOSTATIC CONTACT CIRCUIT 1 TRIPPED The thermostatic contacts alarm HC circuit 1, has tripped.	A	0	10 s	1
72:4	1069	HC HOT GAS TEMPERATURE CIRCUIT 1 ABOVE ALARM LIMIT The hot gas temperature alarm HC circuit 1, has tripped.	A	0	10 s	1
72:5	1070	HC HOT GAS TEMPERATURE CIRCUIT 1 DEFECTIVE Hot gas temperature sensor is defective or is not connected.	A	0	10 s	1
72:6	1071	HC HIGH PRESSURE SENSOR CIRCUIT 1 DEFECTIVE High pressure sensor HC circuit 1, is defective or is not connected.	A	0	10 s	1
72:7	1072	HC LOW PRESSURE SENSOR CIRCUIT 1 DEFECTIVE Low pressure sensor HC circuit 1, is defective or is not connected.	A	0	10 s	1
72:8	1073	HC SUCTION GAS TEMPERATURE CIRCUIT 1 DEFECTIVE Suction gas line temperature sensor HC circuit 1, is defective or is not connected.	A	0	10 s	1
72:9	1074	HC PRESSURE DIFFERENCE CIRCUIT 1 BELOW ALARM LIMIT The pressure difference HC circuit 1, has tripped.	A	0	10 s	1
72:10	1075	HC SERVICE OF CIRCUIT 1 AND COMPRESSOR Service of circuit 1 and compressor required.	B	0	10 s	1
72:11	1076	HC OVERHEATING TEMPERATURE CIRCUIT 1 BELOW ALARM LIMIT HC overheating temperature circuit 1 falls below the set alarm limit.	A	0	10 s	1
72:12	1077	HC PRESSURE EQUALISATION OF LOW PRESSURE CIRCUIT 1 HC pressure equalisation low pressure circuit 1, has tripped.	A	0	10 s	1
72:13	1078	HC PRESSURE EQUALISATION OF HIGH PRESSURE CIRCUIT 1 HC pressure equalisation high pressure circuit 1, has tripped.	A	0	10 s	1
72:14	1079	HC LOW PRESSURE CIRCUIT 1 BELOW ALARM LIMIT HC low pressure circuit 1 falls below the set alarm limit.	A	0	10 s	1

Alarm No.		Alarm text Function	Priority	Stop	Delay	Resetting
Display	Comm.		0 = Blocked	0 = In oper.	s = second	0 = manual
			A = A alarm	1 = Stop	m = minute	1 = automatic
			B = B alarm		h=hour	
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.	A	0	10 s	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.	A	0	60 sec.	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.	A	0	10 s	0
77-79:5	1145, 1160, 1175	MIRU NO. 1-3 MOTOR CONTROLLER OVER TEMPERATURE High internal temperature.	A	0	10 s	0
77-79:6	1146, 1161, 1176	MIRU NO. 1-3 MOTOR CONTROLLER START-UP FAILURE Drive motor does not rotate during start up.	A	0	10 s	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.	A	0	10 s	1
77-79:8	1148, 1163, 1178	MIRU NO. 1-3 MOTOR CONTROLLER PHASE ERROR Phase failure in motor controller.	A	0	10 s	1
77-79:9	1149, 1164, 1179	MIRU NO. 1-3 MOTOR CONTROLLER INTERNAL MEMORY ERROR Internal memory error in motor controller.	A	0	10 s	1
77-79:10	1150, 1165, 1180	MIRU NO. 1-3 MOTOR CONTROLLER CURRENT LIMITATION Current/Voltage limitation in motor controller.	A	0	60 sec.	1
77-79:11	1151, 1166, 1181	MIRU NO. 1-3 MOTOR CONTROLLER INTERNAL COMMUNICATIONS ERROR Internal communication error in motor controller.	A	0	10 s	1
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.	A	0	70 m	1
81-84:3	1203, 1218, 1233, 1248	SMART LINK NO. 1-4 HIGH PRESSURE MONITOR TRIPPED The high pressure monitor alarm has tripped.	A	0	30 s	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.	A	0	30 s	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 preset alarm limit pressure.	A	0	30 s	1
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.	A	0	30 s	1

Alarm No.		Alarm text Function	Priority	Stop	Delay	Resetting
Display	Comm.		0 = Blocked	0 = In oper.	s = second	0 = manual
			A = A alarm	1 = Stop	m = minute	1 = automatic
			B = B alarm		h=hour	
81-84:7	1207, 1222, 1237, 1252	SMART LINK NO. 1-4 GROUP ALARM FREQUENCY CONVERTER The frequency converter has tripped a group alarm	A	0	30 s	1
81-84:8	1208, 1223, 1238, 1253	SMART LINK NO. 1-4 OUTSIDE WORKING RANGE SMART Link works outside its ordinary working range.	A	0	30 s	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.	A	0	30 s	1
81-84:10	1210, 1225, 1240, 1255	SMART LINK NO. 1-4 HOT GAS TEMPERATURE ABOVE ALARM LIMIT Hot gas temperature has exceeded the alarm limit.	A	0	30 s	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.	A	0	30 s	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.

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
96:1	HC DEFROSTING CALIBRATION NOT PERFORMED HC defrosting calibration cannot be performed.
96:2	HC DEFROSTING CALIBRATION NOT APPROVED HC defrosting calibration is performed, but read values are not 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 that permits HC operation.
97:12	PLATE HEAT EXCHANGER, BYPASS OPTIMIZATION NOT PERFORMED Bypass optimization of plate heat exchanger cannot be performed.
97:13	PLATE HEAT EXCHANGER, BYPASS OPTIMIZATION FAILURE Bypass optimization of the plate heat exchanger has been performed, but the readings are not satisfactory.
97:14	PLATE HEAT EXCHANGER DEFROSTING CALIBRATION NOT PERFORMED Defrosting calibration of the plate heat exchanger cannot be performed.
97:15	PLATE HEAT EXCHANGER DEFROSTING CALIBRATION FAILURE Defrosting calibration of the plate heat exchanger has been performed, but the readings are not satisfactory.
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 FAILURE Pre-filter calibration failure, supply air. Recurrent at 5 second intervals.
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 FAILURE Pre-filter calibration failure, extract air. Recurrent at 5 second intervals.
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 FAILURE AHU filter calibration failure, supply air. Recurrent at 5 second intervals.
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.
98:8	EXTRACT AIR AHU FILTER CALIBRATION FAILURE AHU filter calibration failure, extract air. Recurrent at 5 second intervals.
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 FAILURE End filter calibration failure, supply air. Recurrent at 5 second intervals.
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.

Alarm No.	Alarm text Function
98:12	ROTARY HEAT EXCHANGER DEFROSTING CALIBRATION FAILURE Defrost calibration failure, rotary heat exchanger. Recurrent at 5 second intervals.
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 FAILURE ReCO ₂ calibration failure. Recurrent at 5 second intervals.
98:15	ReCO ₂ WRONG SETTING Pressure regulation, slave control or wrong type of AHU is selected. 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.
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.
99:14	INTERNAL SERIAL MEMORY ERROR CPEX1 Internal serial memory error CPEX1
99:15	CLOCK CIRCUIT DEFECTIVE Circuit for the clock is defective