



FLEXIT CS 1000

E User Guide GSM Operation



ACX51.20 GSM ONLY ART.NR.:55574

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Our products are constantly developed and the information is therefore subject to change without prior notice. We do not accept responsibilities for misprints or errors which may occur.

Adjustments:

Alarm by SMS.

Using this GSM-fittings you will be able to get alarms by SMS. It is possible to have 4 different phone numbers and make additional text to describe where the alarm comes from (where the unit is placed).

Installation:

- 1) Before you connect the GSM-fittings to the regulator (CS1000), you have to set correct values in the regulator by using the display.

Navigate to:

Menu ⇨ **Configuration** ⇨ **Parameters** ⇨ **System Parameters** ⇨ communication I
Modeminformation

Type of communication

Description Indicates what kind of modem is connected.

Settings **ModemInformation** ⇨ **Type**

<u>Parameter name</u>	<u>Setting range</u>	<u>Default value</u>
Type	None/GSM/analog	None

State

Description Indicates status on modem, Busy, send, ready...

Settings **ModemInformation** ⇨ **State**

<u>Parameter name</u>	<u>Setting range</u>	<u>Default value</u>
State	Ready/Send/Ready	None

Signal

Description The Power of the GSM-signal. The signal intensity must be over 20 to be able to work properly.

Settings **ModemInformation** ⇨ **Signal**

<u>Parameter name</u>	<u>Setting range</u>	<u>Default value</u>
Signal	0 - 100	0

Reset

Description No function

Settings **ModemInformation** ⇨ **Reset**

<u>Parameter name</u>	<u>Setting range</u>	<u>Default value</u>
Reset	Yes/No	No

Phone number

Description You can have 4 different phone numbers, but you can only use once at time. Each number is connected to a time scheduler. See the description Daytime scheduler. Use ! after the last number for instance 004794654200!

Settings **ModemInformation** ⇨ **Tel1**
Tel2
Tel3
Tel4

Note! The phonenumber must end with a "!"

Pin code

Description Set the pin code on the SIM-card.

Settings **ModemInformation** ⇨ **Pin code**

<u>Parameter name</u>	<u>Setting range</u>	<u>Default value</u>
Pin code	0-9	0000

Day time scheduler

Description Daytime switching time to different phone numbers

Settings **ModemInformation** ⇨ **DayTimeScheduler**

Example of a daytime schedule with using a different phone numbers:

Switching action	Switching time	Phone code	Release
T1	07:00	Tel1	Actv
T2	15:00	Tel2	Actv
T3	20:00	Tel3	Actv
T4	23:00	Off	-----

Weektime scheduler

Description The weektime scheduler is used to switch time to different phone numbers enter a maximum of 6 departures from the daytime schedule.

Settings **ModemInformation** ⇨ WeekTimeScheduler

Example

Switching action	Day of switching On	Time of day On	Day of switching off	Time of day Off	Phone Code	Release
T1	Sa	08:00	Sa	20:00	Tel1	Actv
T2	Su	08:00	Su	20:00	Off	Actv
T3	Mo	08:00	Mo	20:00	Tel2	-----
T4	Tu	08:00	Tu	20:00	Off	-----
T5	We	08:00	We	20:00	Tel3	-----
T6	Th	08:00	Th	20:00	Off	-----

Year time scheduler 1-5

Description The Year time scheduler is used to enter a maximum of 5 departures from the daytime schedule.

Example

Switching action	Date On	Time of day On	Phone Code	Date Off	Time of day On	Release
T1	04.11	12.00	Tel4	12.11	12.00	Actv
T2	13.12	12.00	Off	20.12	12.00	Actv
T3	13.12	12.00	Off	20.12	12.00	-----
T4	13.12	12.00	Off	20.12	12.00	-----
T5	13.12	12.00	Off	20.12	12.00	-----

Settings **Menu** ⇨ **Time Channels** ⇨ **YearTimeSchedul 1-5** ⇨ Setting lines

Info

Description You have three lines with additional text to the alarm text.

For instance:

Unit:.....

Str:.....

Town:....

Settings

ModemInformation ⇄

Unit
Str
Town

Note! The addressfields must end with a “!”

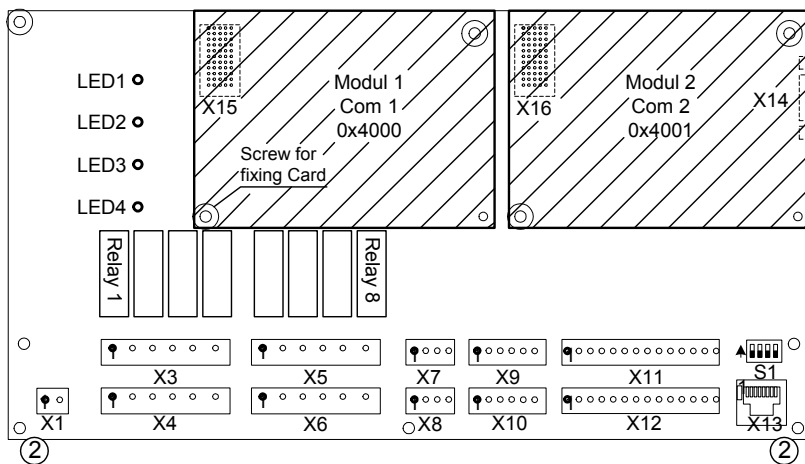
Alarm liste

General description of the alarm function The alarm outputs for the 2 parameters AlarmPriority_A and AlarmPriority_B serve the overall plant for supervisory operation. The fault message indicates that there is a fault in the plant.

Alarm text	Description
A_Alarm	Common Alarm (Class A alarm active)
B_Alarm	Common Alarm (Class B alarm active)
LmSensorError	One or more temperature sensors out of range (open or short circuit)
LmHRCFrostAlarm	Plate Heat exchanger frost condition
LmRotorGuardAla	Rotating heat exchanger not rotating
LmFireSmoke	Input for external fire/smoke alarm
LmFanCommonFaul	Overload, deviation alarm
LmTempAlarm	Adjustable temperature deviation of supply air temperature
LmFrostAlarm	Low temperature water battery
LmErrorSupplyFu	Flow control not at required setpoint
LmErrorExtractF	Flow control not at required setpoint
LmElecHtrO/H	Fire or Overheat thermostats on electric battery (2 inputs)
LmHRC_EffAlarm	Heat Recovery calculated efficiency below alarm limit (rotor or plate)
LmUnitOverRideA	Some component or whole unit is manually operated from the HMI
LmSupFilter	Supply Filter Dirty
LmExtFilter	Extract filter Dirty

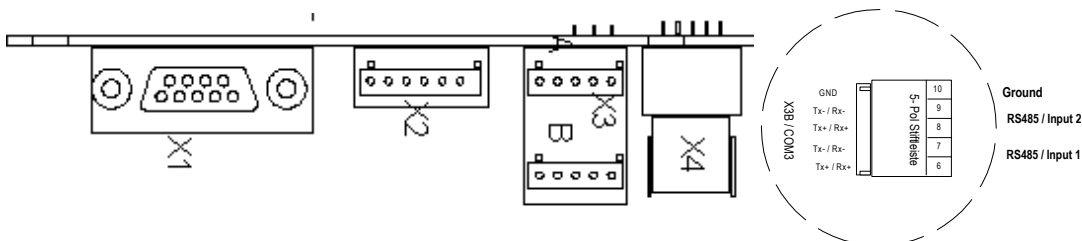
Mounting instructions ACX51.20 / GSM

Art.nr.:55574 GSM card



Mounting of the communicationcard

1. Power Off
2. Dismount the two forward outside screws on cover with a screwdriver type Torx 10 or a flat chisel.
Note! Connect yourself to earth to avoid static electricity that could seriously damage the circuit card.
3. Mount metal fixing supports.
4. Place the card with belonging cover plate in one of the slots for connecting modules. ACX51.20 can be connected to any of the two slots.
5. Check that the card is correctly connected.
6. Fix card with the screws in the kit.
7. Remount the controller cover.
8. Power On.



Connection of modem for SMS-alarms

1. Commission the unit with all settings before starting to configure the modem.
2. Navigate to menu Systemparameter – Communication – Modeminformation. Here all necessary settings can be made. Phonenummer, unit address and timeschedule for SMS.
Note! The phonenummer and the address fields must end with a "!"
The letters Å, Ä, Ö may not be used in the unit address because it is not supported.
3. Change the pin code for the GSM modem.
4. Save settings over factory settings. This can be made in a different procedure depending of which kind of application you have. See your application User's Guide.
5. Switch the power Off.
6. Attach modem cable to connector X1 and in the modem. Fix the cables.
7. Switch the power On to modem.
8. Switch the power On to controller and wait one minute.
9. Navigate to menu Systemparameter – Communication – Modeminformation. Look at the signal strenght, it should be 20 – 99. If not, move the antenna to find the correct signal strength.
10. Test with an alarm.

