

Install this unit

on a standard EN-50022 rail by simple snap-in. Put your SIM card into a cellular phone and program it so it won't ask for the PIN, you may protect your SIM card later.

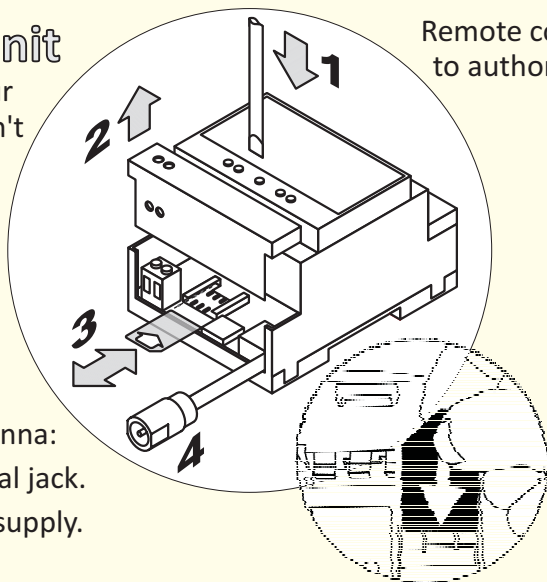
Remove power supply and optional battery, then:

1. Unlock the terminal cover using a screwdriver.
2. Slide up the top lid.
3. Insert the SIM card, contacts on the bottom side.

The embedded antenna located under the front panel can work properly if the device is not shielded by metallic frames. When the unit needs an external antenna:

4. Connect an external antenna to the FME male coaxial jack.

Make all suitable connection and then provide power supply. Do not operate without covers.



Remote control of local outputs by means of free calls or SMS is allowed only to authorized users previously stored in the SIM card or device phonebooks.

The simplest solution to

add, modify or delete SIM card USERS

is by using a GSM mobile phone: following operating instructions provided by phone manufacturer, insert the SIM card into the SIM cardholder, turn on the phone and scroll the option menu to enter the SIM card phonebook edit mode: enter the users name and telephone number using international format. Insert the SIM card into the device SIM cardholder and turn on the power supply.

The unit is ready to operate.

GsmSuite

a complete configuration management tool, is available for free download. Remote configuration by means of SMS is reserved to supervisors, up to 100 can be stored in the internal memory.

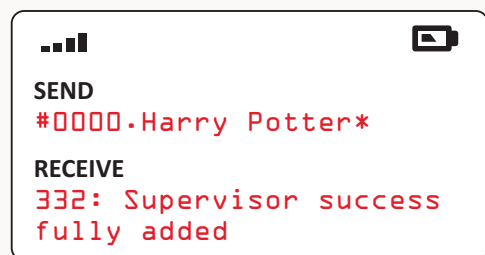
Anyone can register itself as the first supervisor

issuing the following SMS:

#xxxx.name*

xxxx device PIN code
factory default is 0000
name supervisor's name
up to 14 characters

Telephone number of SMS sender is collected from the incoming call presentation (the telephone number must be visible) and will be assumed as the supervisor's phone number. The unit will send SMS to confirm the storage at position 401 or an error in case of failure.



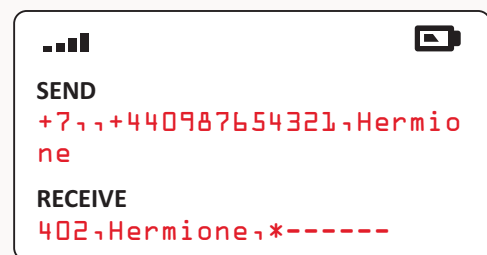
Any supervisor can add more supervisors

issuing the following SMS:

+7.phone.name

phone recognized phone number
up to 20 characters
name supervisor's name
up to 14 characters

It's better to store the phone number using international format. An SMS will confirm the successful storage of new supervisor at the first available phonebook position. This procedure doesn't work if the supervisors phonebook is empty.



Any supervisor can remove supervisors

issuing an SMS specifying the name:

-7.name

or specifying the phone number:

-7.phone

phone phone number to delete
up to 20 characters
name name of supervisor
to be removed
up to 14 characters

Name must match exactly the stored one (uppercase, lowercase, spaces). An SMS will confirm the operation. Removing all the supervisors, the first supervisor procedure must be used.



Any supervisor can assign device information

issuing the following SMS:

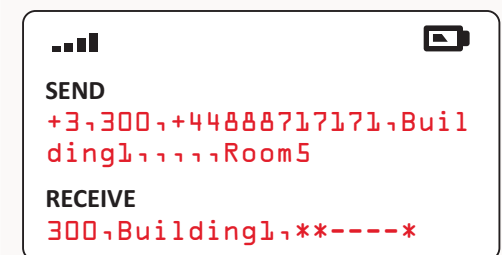
+3,300.phone.info,info,text

phone phone number of the unit #
up to 20 characters
info optional name of the unit \$
up to 14 characters
text optional description \$
up to 56 characters

when specified, phone number will be used to perform the real time clock auto set.

\$ name and description will be included within status SMS.

An SMS will confirm the operation.



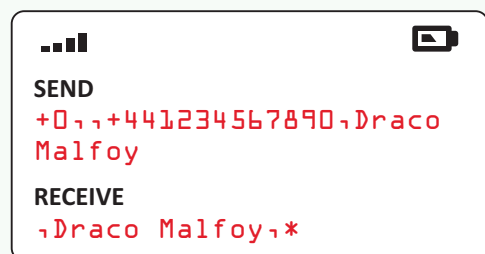
Any supervisor can add USERS to SIM

issuing the following SMS:

+0.phone.name

phone recognized phone number
up to 20 characters
name name of user
up to 14 characters

It's better to store the phone number using international format. An SMS will confirm the successful storage of new user into the SIM card phonebook, at first available entry. Up to 250 entries are available on SIM cards.



Any supervisor can remove SIM USERS

issuing an SMS specifying the name:

-0.name

or specifying the phone number:

-0.phone

phone phone number to delete
up to 20 characters
name name of user
to be removed
Up to 14 characters

Name must match exactly the stored one (uppercase, lowercase, spaces). An SMS will confirm the operation.



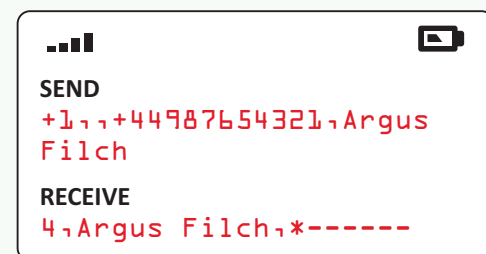
Any supervisor can add USERS to ME

issuing the following SMS:

+1.phone.name

phone recognized phone number
up to 20 characters
name name of user
up to 14 characters

It's better to store the phone number using international format. An SMS will confirm the successful storage of new user at first available entry of ME phonebook. Up to 250 users can be stored in the internal phonebook of this unit.



Any supervisor can remove ME USERS

issuing an SMS specifying the name:

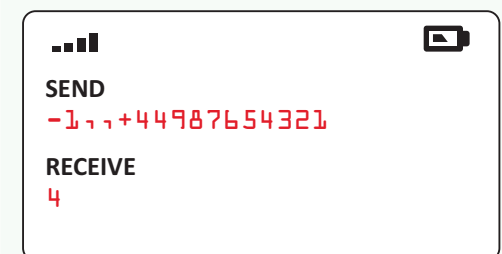
-1.name

or specifying the phone number:

-1.phone

phone phone number to delete
up to 20 characters
name name of user
to be removed
up to 14 characters

Name must match exactly the stored one (uppercase, lowercase, spaces). An SMS will confirm the operation.



Any supervisor can make manual clock setting

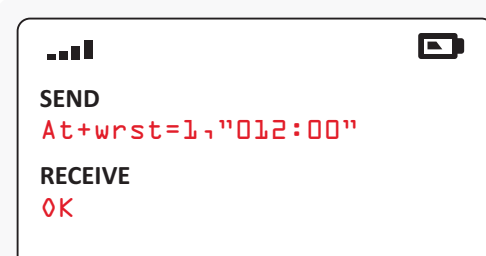
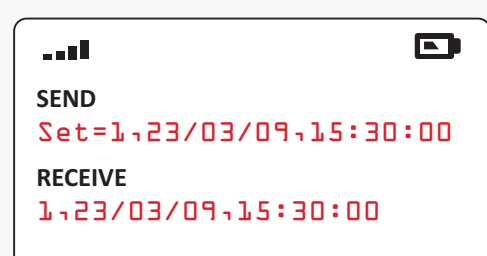
issuing the following SMS:

Set=D,dd/mm/yy,HH:MM:SS

D Weekday 1 = Monday ... 7 = Sunday
dd Day 1 ... 31
mm Month 1 ... 12
yy Year 00 = 2000 ... 99 = 2099
HH Hours 00 ... 23
MM Minutes 00 ... 59
SS Seconds 00 ... 59

An SMS will confirm new setting.

Current time is returned issuing an SMS: **Set?**



Occasionally the unit can become disconnected from the network, in this circumstance the unit will need to be reset to reconnect to the network. An

Auto reset

at specified intervals could be enabled by supervisors, issuing:

at+wrst=1,"HHH:MM"

HH Hours 001 ... 168

MM Minutes 00 ... 59

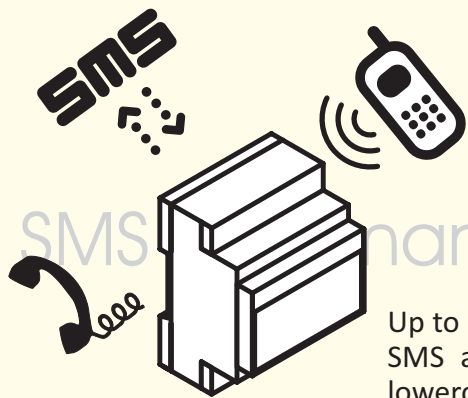
An SMS will confirm new setting: **OK**

To disable the feature send:

At+wrst=0

Gsm+ Quick and Easy





GsmComfort+

can be controlled from remote through simple free calls and by means of specific

SMS commands

Up to 5 commands can be issued within a single SMS and will be recognized both uppercase, lowercase and mixed, nested within other text, wherever placed inside the incoming message.

Remote control commands are available to registered users and some special system commands are reserved to supervisors. Users registered in both groups can issue SMS made by mixed remote and system commands.

GsmSuite

Factory defined commands, free call behaviour and times could be modified using the freeware

-EEE temperature below lower limit or probe open
+EEE temperature above upper limit or probe short **temp sensor**

Any user can switch regulator ON

issuing the following SMS:

on Regulator ON

An optional time could follow:

onddHHMM Regulator ON (time)

dd Days 00...99

HH Hours 00...23

MM Minutes 00...59

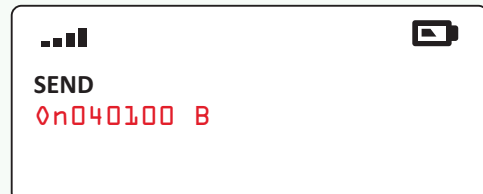
Regulator won't be restored ON after a power failure.

When the setpoint=0, the output will turn on regardless of measured temperature.

Put a D at the end of the text for SMS confirmation or B for ringback.

EXAMPLE:

Temperature control is activated for 4 days 1 hour, output will be controlled on/off to keep the setpoint.



Any user can switch regulator ON & latch

issuing the following SMS:

run Regulator ON

An optional expiry time could follow:

runddmmyyHHMM Regulator ON

dd Days 00...99

mm Month 01...12

yy Year 00 = 2000 ... 99 = 2099

HH Hours 00...23

MM Minutes 00...59

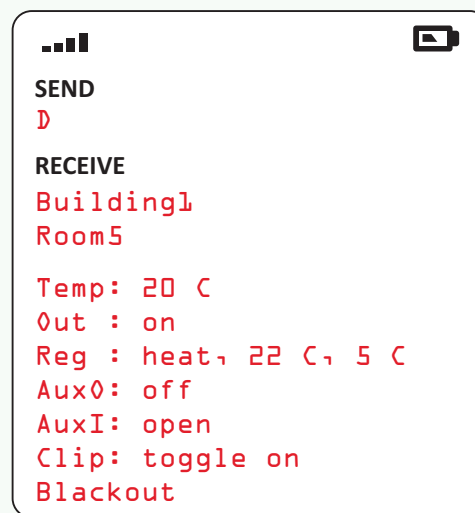
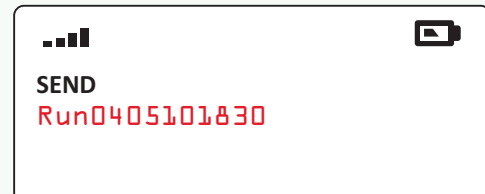
Regulator will be restored ON after a power failure.

When the setpoint=0, the output will turn on regardless of measured temperature.

Commands involving real time will be discarded if the clock has not been set before.

EXAMPLE:

Temperature control is activated until May 4th 2010 06:30 PM, output will be controlled to keep the setpoint.



OUTPUT STATUS:

off output inactive
on output active
!on output active and latched

Any user can ask for

status SMS

< issuing a command by SMS

The unit will return an SMS including:

- < name of the unit
- < optional description
- < measured temperature
- < regulator output 1 status
- < temperature regulator settings §
- < aux out 2 not available on this unit
- < aux in contact not available
- < free call mode and status
- < optional power failure indication (units with backup battery only)

REGULATOR STATUS:

off regulator off
antifrost antifrost protection active
heat regulator on heat mode
cool regulator on cool mode

§ setpoint and antifrost temperature are shown within regulator status line

Any supervisor can enable or disable free call control

issuing the following SMS:

Stop

Disable free call control feature: any incoming call will be rejected.

Status SMS will report Clip: toggle **off**

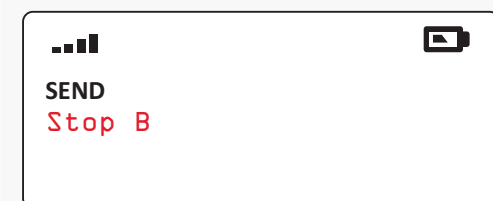
Start

Enable free call control feature: incoming calls from registered users will activate outputs following the specified sequence.

Status SMS will report Clip: toggle **on**

EXAMPLE:

Disable free call control and issue a ringback confirmation.



Any user can switch regulator OFF

issuing the following SMS:

off Regulator OFF

Put a D at the end of the text for SMS confirmation or B for ringback.

EXAMPLE:

Temperature controller switched off, the unit will control the output on/off to keep the anti-frost temperature only (if any).

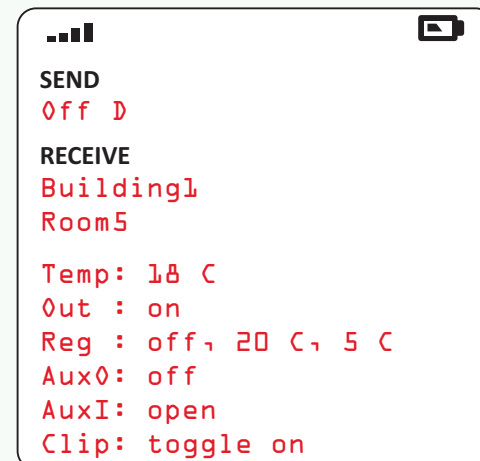
Status SMS confirmation request.

Within the status SMS returned all temperatures are shown:

Ambient temperature is 18°C.

Setpoint temperature is 20°C.

Antifrost temperature is 5°C.



Any supervisor can change setpoint

issuing the following SMS:

setpoint=tt

tt temperature 2...37°C
(36...99°F)

To operate without setpoint (output will be turned on/off regardless of measured temperature) send:

setpoint=0

Temperature values are accepted in the range 0...99 and GsmComfort+ will confirm the new setpoint issuing an SMS, without any further check on legal values (2...37°C or 36...99°F). Use GsmSuite to select °C/°F.

EXAMPLE:

Setpoint successfully set to 20°C.

