

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.

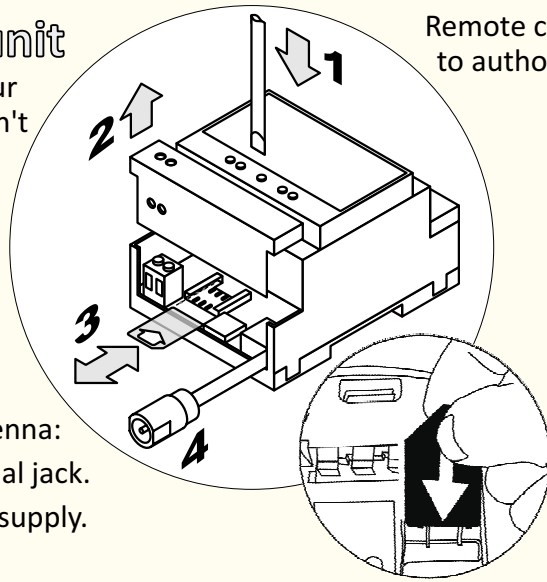
Remove power supply and optional battery, then:

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

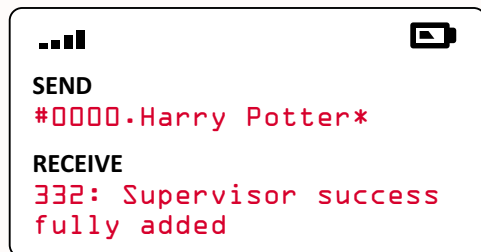
issuing the following SMS:

#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

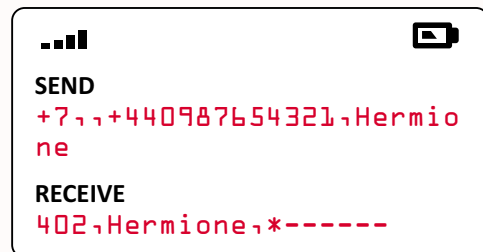
issuing the following SMS:

+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,phone.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,phone,text

phone phone number of the unit #
up to 20 characters

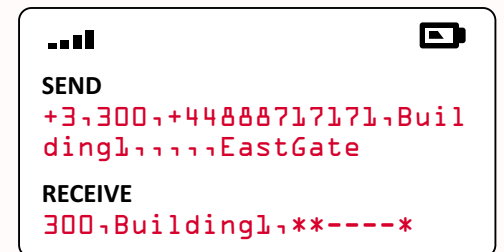
info optional name of the unit \$
up to 14 characters

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

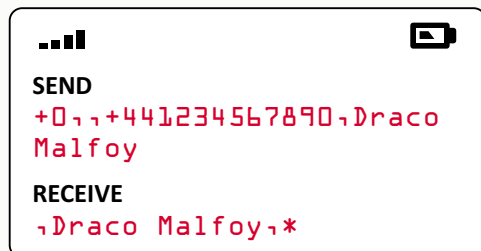
issuing the following SMS:

+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,phone.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

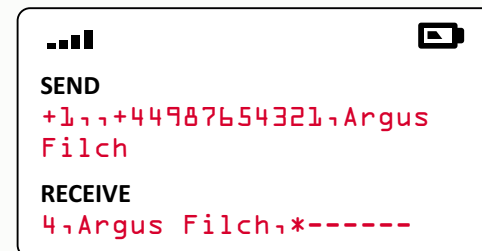
issuing the following SMS:

+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,phone.name

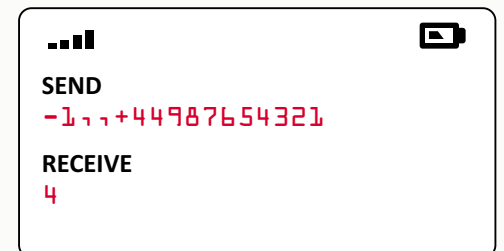
or specifying the phone number:

-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

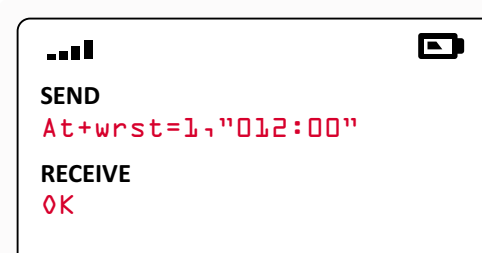
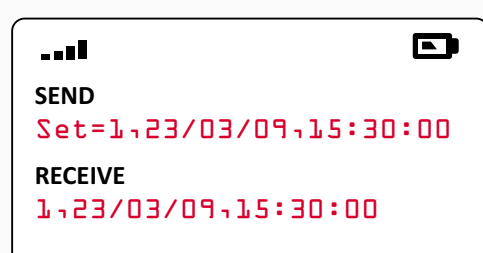
issuing the following SMS:

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"

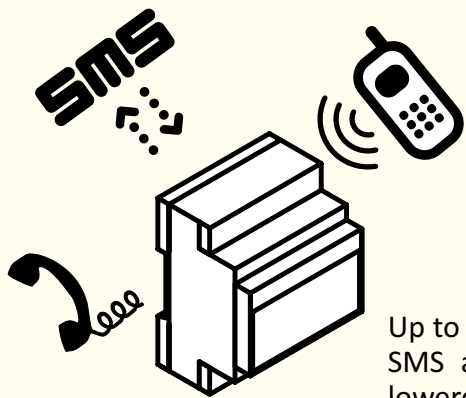
HH Hours 001 ... 168

MM Minutes 00 ... 59

An SMS will confirm new setting: OK

To disable the feature send:

At+wrst=0



GsmKey2+

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 configuration tool

```

SEND
D
RECEIVE
Building1
EastGate

Out1: on 00:01:30
Out2:!on 14/09/06 18:30
AuxI: open
Clip: pulse on
Blackout
    
```

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
- < out 1 status + optional remaining time
- < out 2 status + optional expiry date
- < aux in unavailable on this unit
- < free call mode and status
- < optional power failure indication units with backup battery only

OUTPUT STATUS:

- off output inactive
- on output active
- !on output active and latched
- ! clip sequence in progress

Any user can switch

outputs ON

issuing the following SMS:

```

S1 Set out 1 ON
S2 Set out 2 ON
    
```

An optional time could follow:

```

S1ddHHMM out 1 ON (specific time)
S2ddHHMM out 2 ON (specific time)
    
```

- dd Days 00 ... 99
- HH Hours 00 ... 23
- MM Minutes 00 ... 59

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

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

EXAMPLE:

out 1 turned on,
out 2 turned on for 1 hour 30 minutes
any alien text is ignored
ringback confirmation request

```

SEND
S1 S2000130 nonsense text B
    
```

Any user can switch

outputs ON & latch

issuing the following SMS:

```

M1 Set out 1 ON
M2 Set out 2 ON
    
```

An optional expiry time could follow:

```

M1ddmmyyHHMM out 1 ON until
M2ddmmyyHHMM out 2 ON until
    
```

- dd Days 00 ... 99
- mm Month 01 ... 12
- yy Year 00 = 2000 ... 99 = 2099
- HH Hours 00 ... 23
- MM Minutes 00 ... 59

Outputs will be restored ON after a power failure. Commands involving real time will be discarded if the clock has not been set before.

EXAMPLE:

out 1 on until May 4th 2010 06:30 PM
out 2 on and latched permanently

```

SEND
M10405101830 m2
    
```

Any user can switch

outputs OFF

issuing the following SMS:

```

R1 Reset out 1 OFF
R2 Reset out 2 OFF
    
```

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

EXAMPLE:

out 1 turned off
out 2 turned on and latched
status SMS confirmation request

```

SEND
R1 m2 D
RECEIVE
Building1
EastGate

Out1: off
Out2:!on
AuxI: open
Clip: pulse on
    
```

Any user can make a

output PULSE

issuing the following SMS:

```

P1 Pulse out 1
P2 Pulse out 2
    
```

Default pulse duration is 3 seconds and can be set in the range 1...59 seconds by means of GsmSuite.

EXAMPLE:

pulse on out 1
Status SMS confirmation request

Remaining time (dd:hh:mm) to off is reported for time activated outputs.

```

SEND
P1 D
RECEIVE
Building1
EastGate

Out1: on 00:00:00
Out2: off
In1 : open
In2 : close
Mode: pulse on
    
```

Registered users can control the outputs by means of simple

FREE CALLS

Any supervisor can set

PULSE mode

issuing the following SMS:

```

+2,290,1,1,5,15,pulse
time pulse time 1 ... 60"
factory default 3"
    
```

Default factory setting is 3 seconds PULSE mode.

EXAMPLE:

An incoming voice (or fax) call will turn on output 1 for 5 seconds, the same will be done on output 2 receiving data calls.
An SMS will confirm new setting.

```

SEND
+2,290,1,1,5,15,pulse
RECEIVE
290,1,5,15,pulse
    
```

Any supervisor can set

TOGGLE mode

issuing the following SMS:

```

+2,290,1,1,15,toggle
time time to answer 1 ... 60"
factory default 15"
    
```

EXAMPLE:

An incoming voice (or fax) call will toggle output 1 off to on or vice-versa the same will be done on output 2 receiving data calls.

A ringback will be issued only when an output is turned on.

If the user waits online, after the specified time the unit will answer, playing a low tone (output OFF) or four high tones (output ON). No ringback will be issued in such case.
An SMS will confirm new setting.

```

SEND
+2,290,1,1,15,toggle
RECEIVE
290,1,15,toggle
    
```

Any supervisor can set

REVERSE mode

issuing the following SMS:

```

+2,290,1,1,15,50,25,reverse
o out 1, on time 1 ... 60"
(open) default 3"
p out 1, on time 1 ... 600"
(pause) default 3"
c out 1, on time 1 ... 60"
(close) default 3"
    
```

EXAMPLE:

A recognized incoming call will start a sequence:

- turn on output 1 for 15 seconds
- waits for 50 seconds
- turn on output 2 for 25 seconds

An SMS will confirm new setting.

```

SEND
+2,290,1,1,15,50,25,reverse
RECEIVE
290,1,15,50,25,reverse
    
```

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.

```

SEND
Stop B
RECEIVE
290,1,---*---*
    
```