DEPAEPE

SecurAccess SIP

CE

USER MANUAL

Ref: 27112017

This product is designed and manufactured in France.
It can be connected to VoIP and ToIP servers.

This product is Hearing Aid Compatible.

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Summary

1. Description

SecurAccess SIP PMR audio and video IP/SIP doorphones can be connected to VoIP and ToIP servers.

This doorphone can be installed on most private installations thanks to various setting options.

The SecurAccess SIP PMR complies with **disabled help recommendations:**

- a wide angle colour video camera allowing visitors monitoring,
- a user friendly guidance with enlightened icons and digital voice announcements,
- an hearing aid induction coil,
- a keypad with Braille dots.

It complies with **IP65 rating (weatherproof)** and **IK09 rated (mechanical)**, and can be installed:

- flush or surface mount,
- inside or outside a building, to provide reliable telephony in adverse operating environments (unmonitored or public locations, with damage risk and/or exposed to the weather).

The SecurAccess SIP PMR :

- can activate two relays remotely or locally when entering a stored code for opening doors or airlock-like doors, and only one relay for driving an alarm, a camera, a light or any other electrical appliance,
- can make a video call or a remote monitoring thanks to its built-in camera, with an IP videophone or with the dedicated PC software,
- can adjust video and lightning settings for the camera, and audio settings.

Those features do not require an external power supply.

In all cases, the product can be powered by an external power (included) or thanks to PoE technology (Power over Ethernet).

These two ways of power must not be simultaneously connected on the SecurAccess SIP PMR. Your network administrator can help you with the right solution.

Main features are:

1. **Calling**
   P2P (static IP address) / SIP (SIP account direct number)
   No keypad models, 1, 2, 3, 4, 6 or 8 programmable off-hook and dialling buttons
   Keypad models, regular dialling or speed dialling with keypad, and 1 up to 4 programmable off-hook and memory buttons
   COMPACT (small size) models without keypad, 1 up to 4 programmable off-hook and dialling buttons
   Chain dialling, group calling, calendar control management for dialling buttons
   Video: 640x480 on IP videophone, on PC with the dedicated software, on softphone, via Web interface or streaming.

2. **Auto answer**
   On incoming calls the SecurAccess SIP PMR will automatically go off-hook, after 1 beep or after the 'call in process' digital voice message.

3. **Automatic line disconnection**

When a limited timed conversation has been programmed
When the conversation is over (by end of conversation detection or by end of call DTMF code detection)

4. 2 door latches activation / 1 contact / 2 exit buttons

For opening doors or airlock-like doors, two relays can be activated when entering a stored code, locally thanks to the doorphone keypad, or remotely in DTMF during a call or thanks to the dedicated PC software.
Only the second relay can be used as a dry contact for driving an alarm, an external camera, a light, or an auxiliary ringer.
2 exit buttons can be connected to activate the door latch relays.
Door codes can be managed by programmable calendar control.

5. Video monitoring

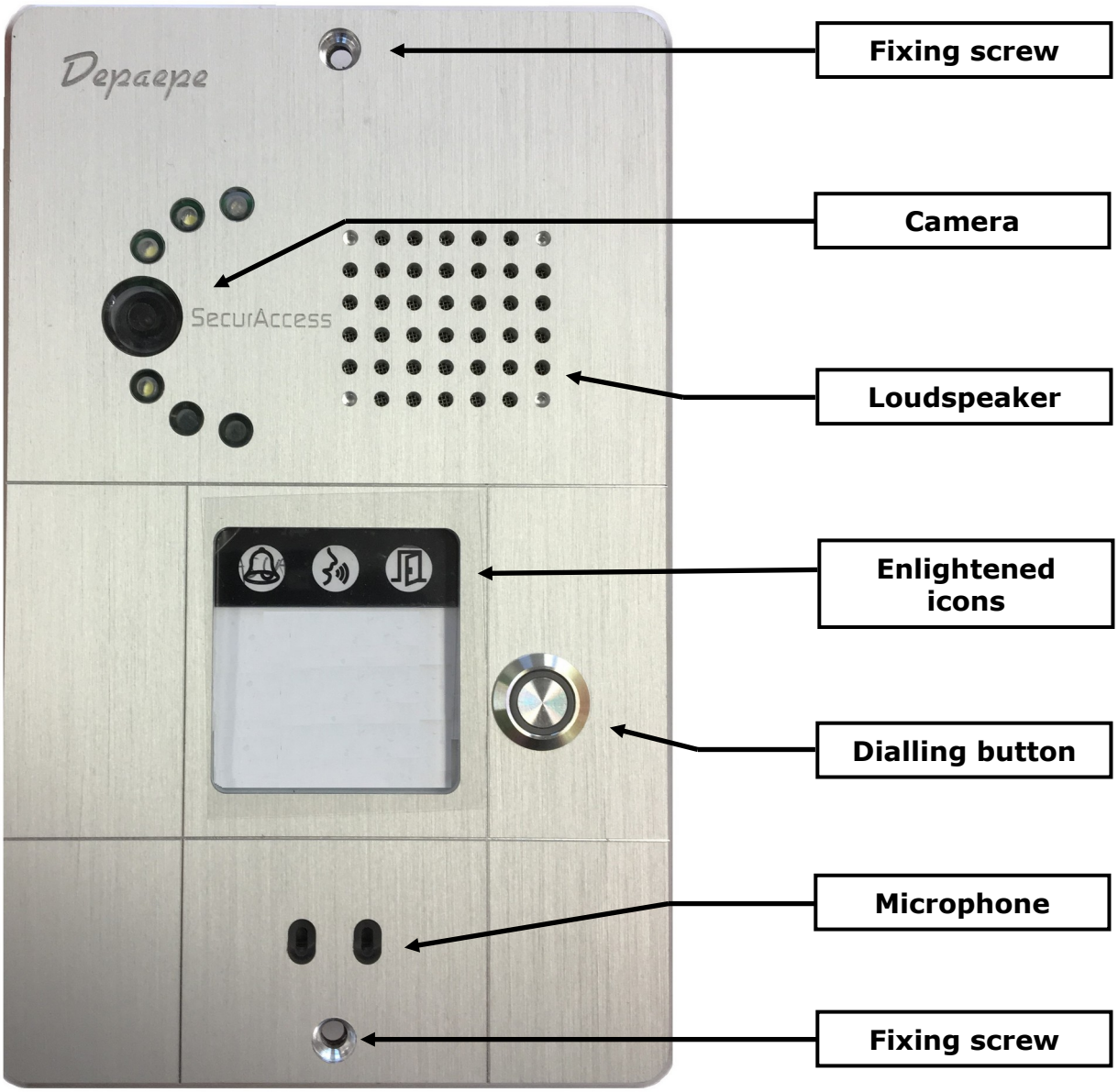
The doorphone video streaming can be permanently watched or only during call activity.
It is possible to record videos and images with the dedicated PC software and to e-mail them.

6. Doorphone settings via Web interface

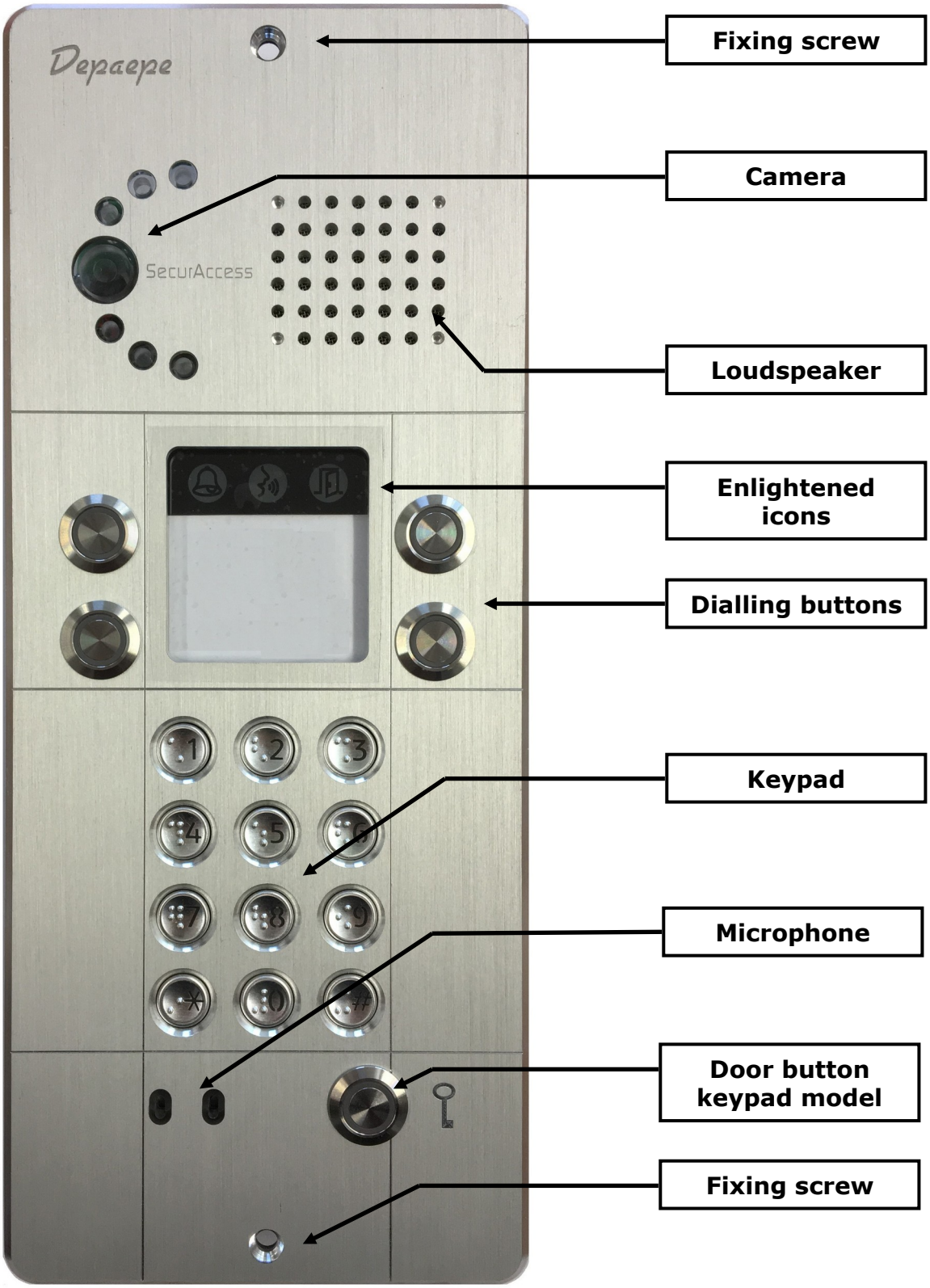
7. Miscellaneous

Parameters reset (back to factory settings)
Hacking and hostile use protection

COMPACT models without keypad



With or without keypad models

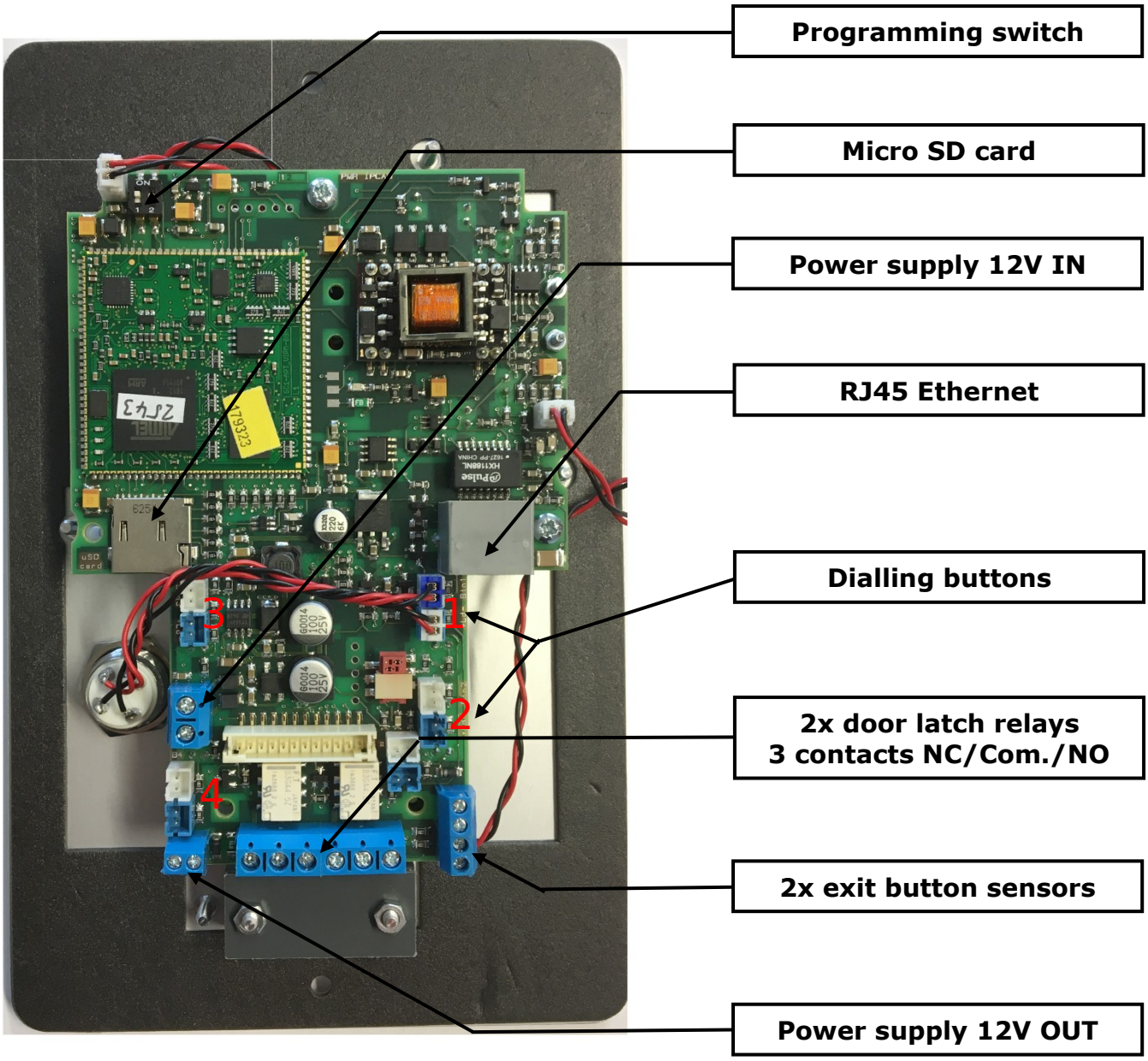


2. Installation

2.1. Line connection and installation

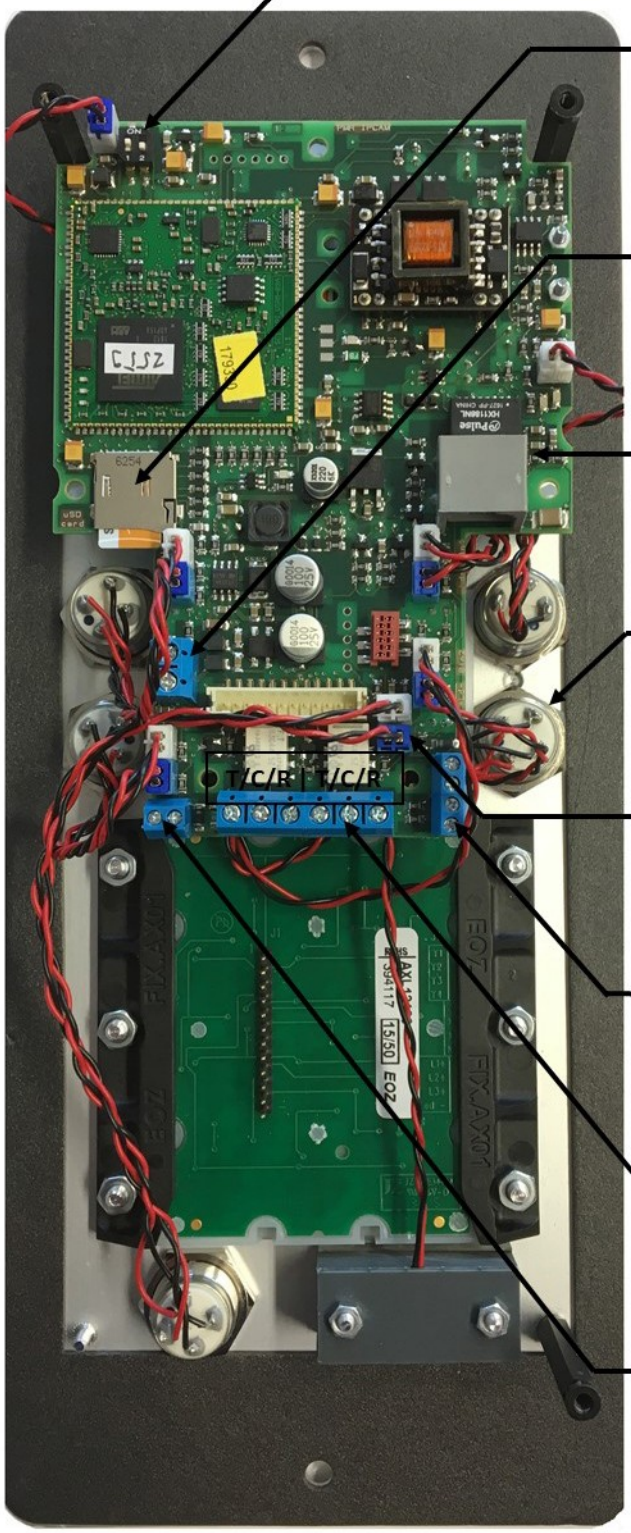
COMPACT models without keypad

Installation, line connection and configuration should be done by qualified personnel. All operations requiring an opening of the unit should be done carefully to prevent from electric shocks.



With or without keypad models

Installation, line connection and configuration should be done by qualified personnel. All operations requiring an opening of the unit should be done carefully to prevent from electric shocks.



Programming switch

Micro SD card

Power supply 12V IN

RJ45 Ethernet

Dialling buttons

Door button keypad model

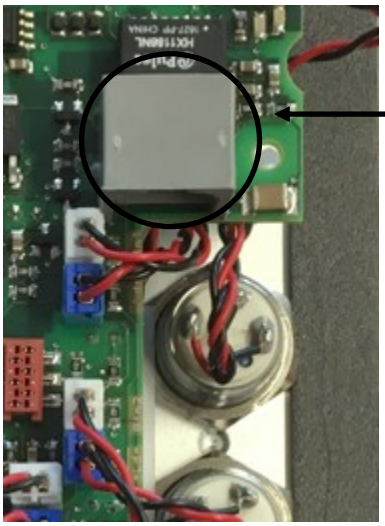
2x exit button sensors

2x door latch relays 3 contacts NC/Com./NO

Power supply 12V OUT

Ethernet network and PoE (Power over Ethernet)

A RJ45 plug provides a connection from SecurAccess SIP PMR to the **Ethernet network** with a possibility of **PoE** powered thanks to Ethernet cable.



TRT3 (TNV-3) access:

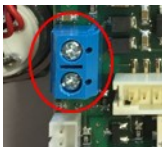
RJ45 plug for Ethernet connection

Camera as well as lightning do not require any additional power supply.

If **the doorphone is not PoE powered**, an external power (optional), whose specifications and connection are here after, is required.

TRT3 (TNV-3) access :
Power connection 12V/DC 1000mA

Power connection 12V DC 1000mA IN

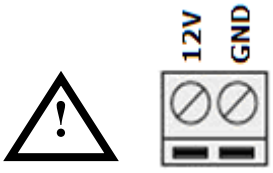


Those ports are designed to be connected on a TRT3 (TNV-3) network in accordance with EN 60950 amendments 1 to 11 specifications.

These two ways of power must not be simultaneously connected on the SecurAccess SIP PMR. Your network administrator can help you with the right solution.

Power supply 12V OUT

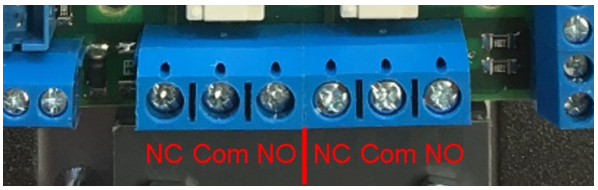
The SecurAccess SIP PMR is equipped with a power supply 12V output for other devices: alarm, ringer, portal etc…



Power 12V OUT

Doors latches relays

The SecurAccess SIP PMR is fitted with two NC/Com/NO driving relays (see p 8 and next) for a remote activation of a door latch electrical relay.

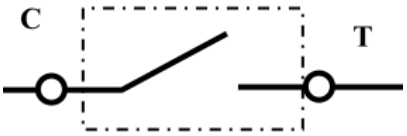


- NC: normally close - connected contact
- Com: common (middle)
- NO: normally open - disconnected contact

Up to 60VA and 2A maximum (TRT3 TNV-3 access)

Exit buttons sensors

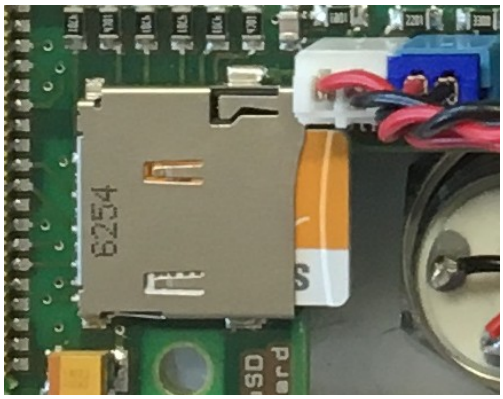
The SecurAccess SIP PMR is equipped with **2 relays sensors** (see pages 8 and next) for connecting 2 exit buttons and for a door latch electrical relay activation, etc...



- C: common
- T: normally close

Micro SD card

The micro SD card is used to record digital voice announcements for disabled help recommendations (see pages 8 and next).

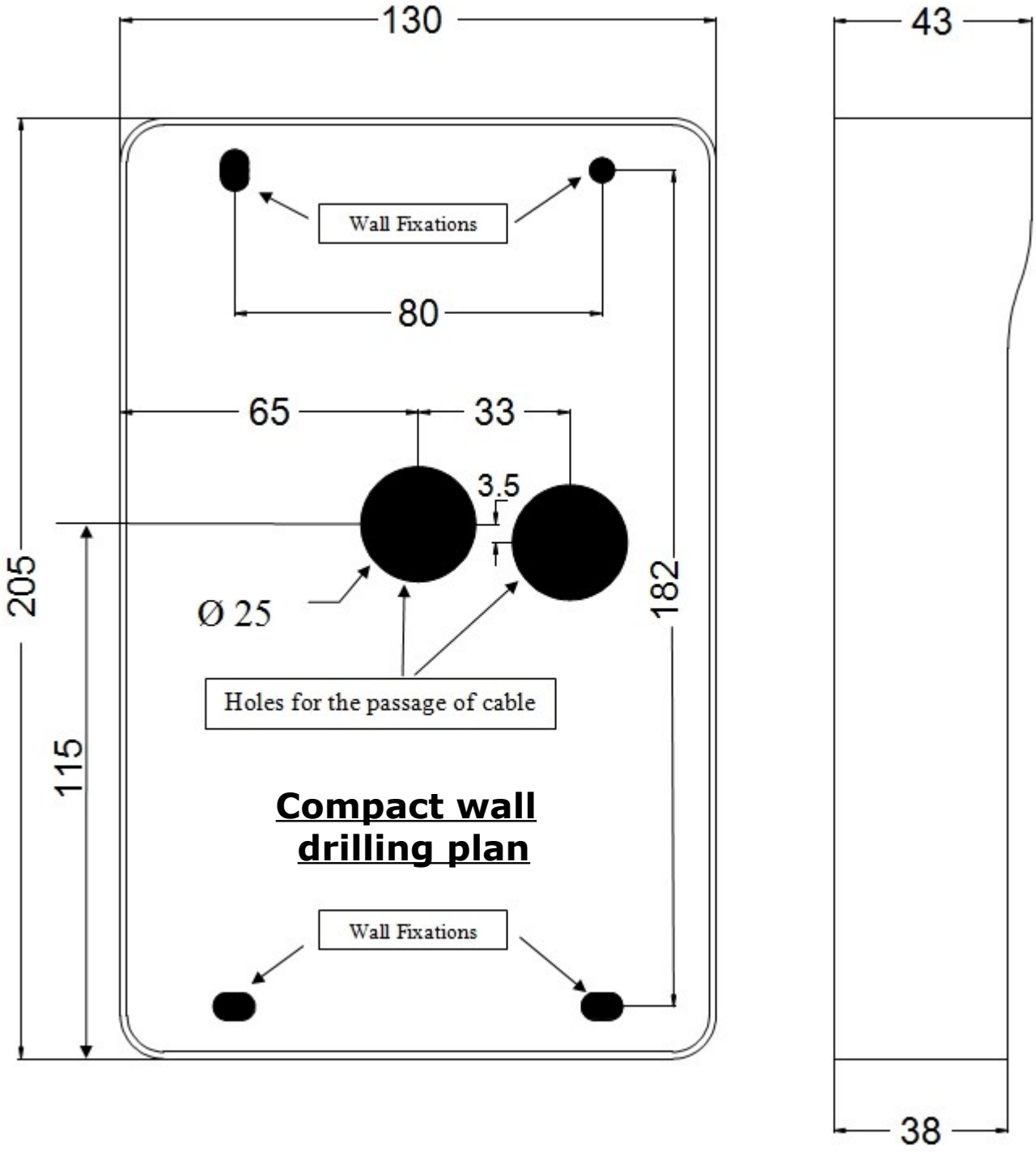


Never disconnect the micro SD card when the doorphone is ON.

2.2. Drilling plan

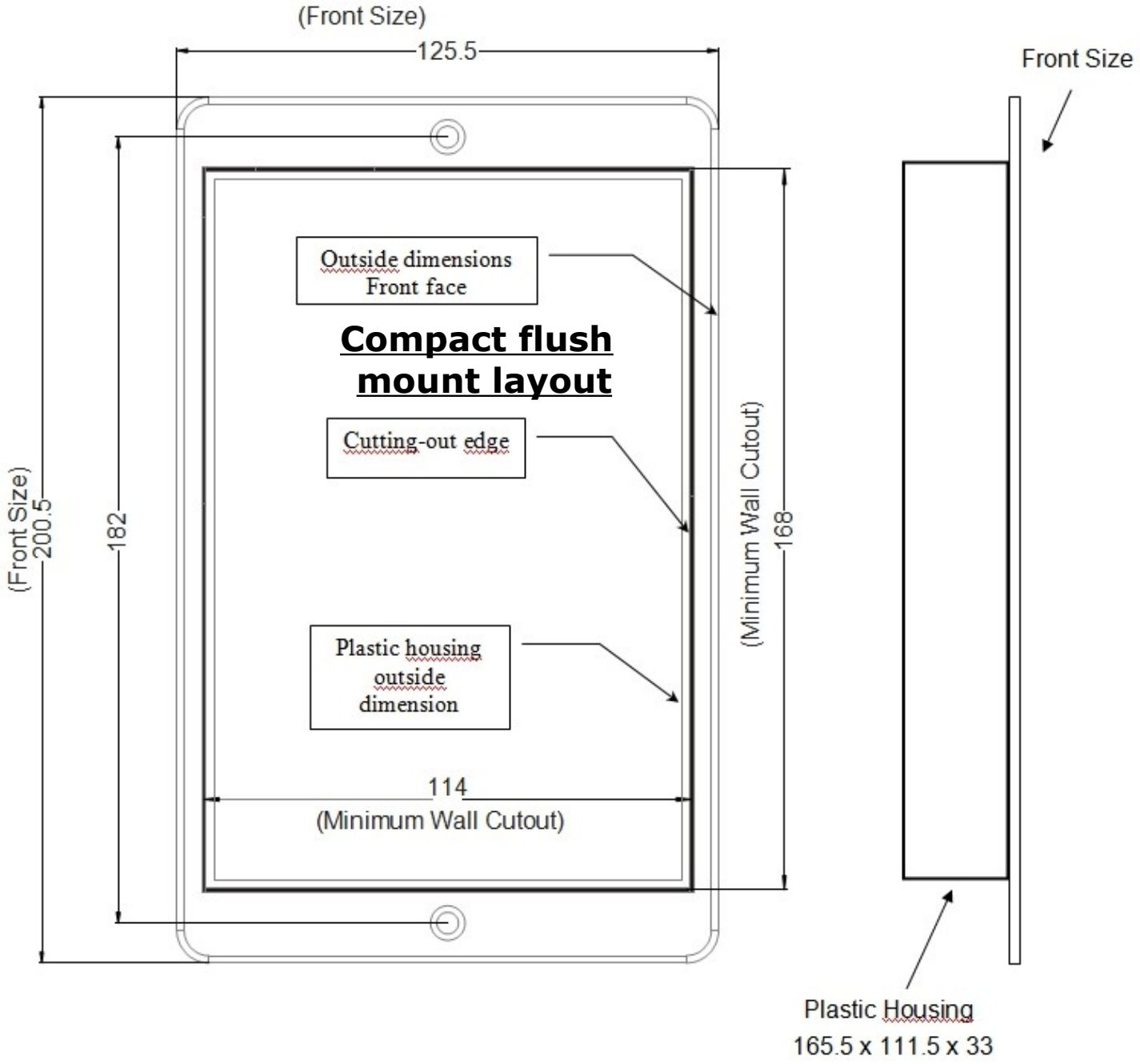
COMPACT models without keypad

In mm



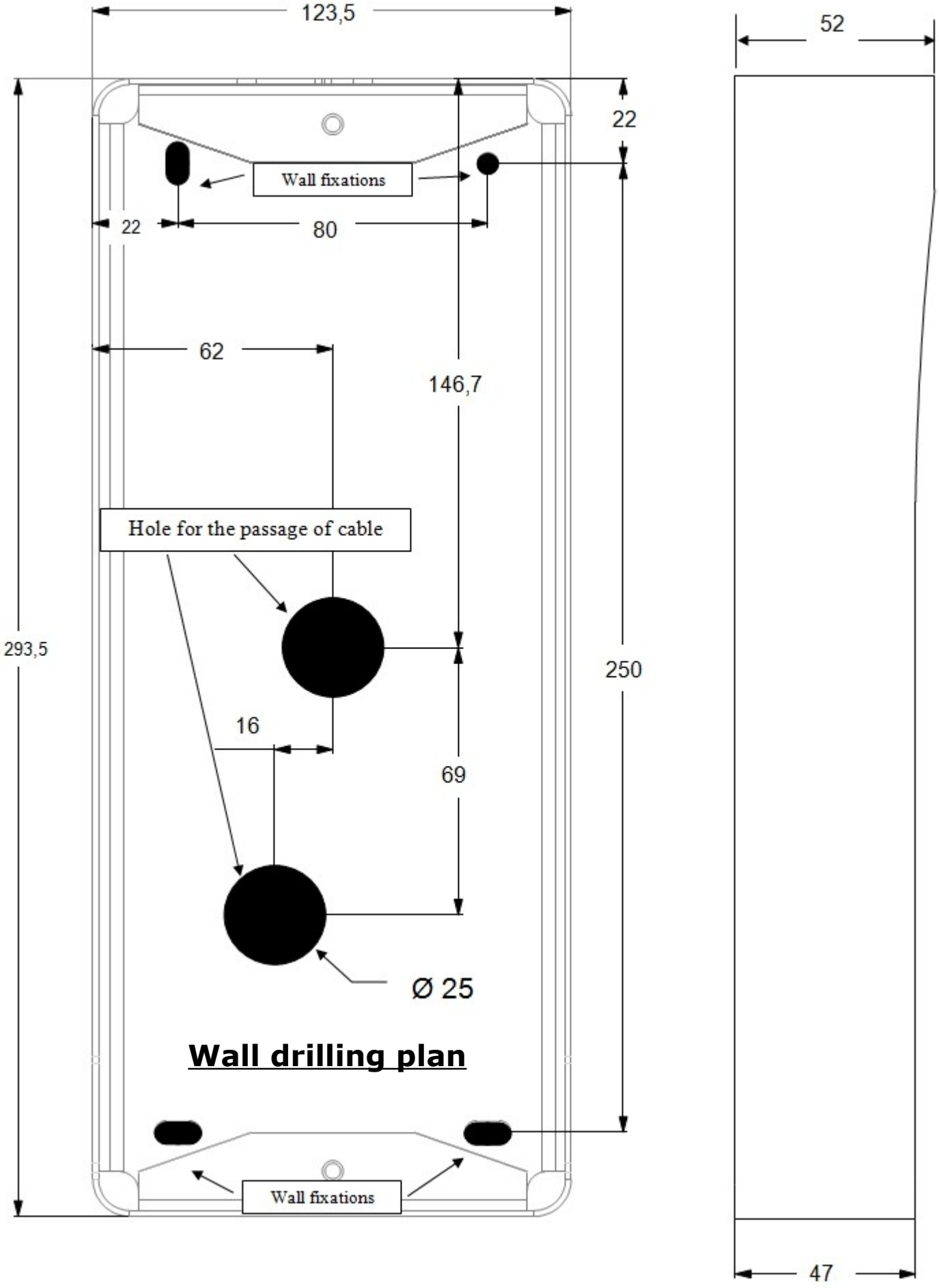
COMPACT models without keypad

In mm



With or without keypad models

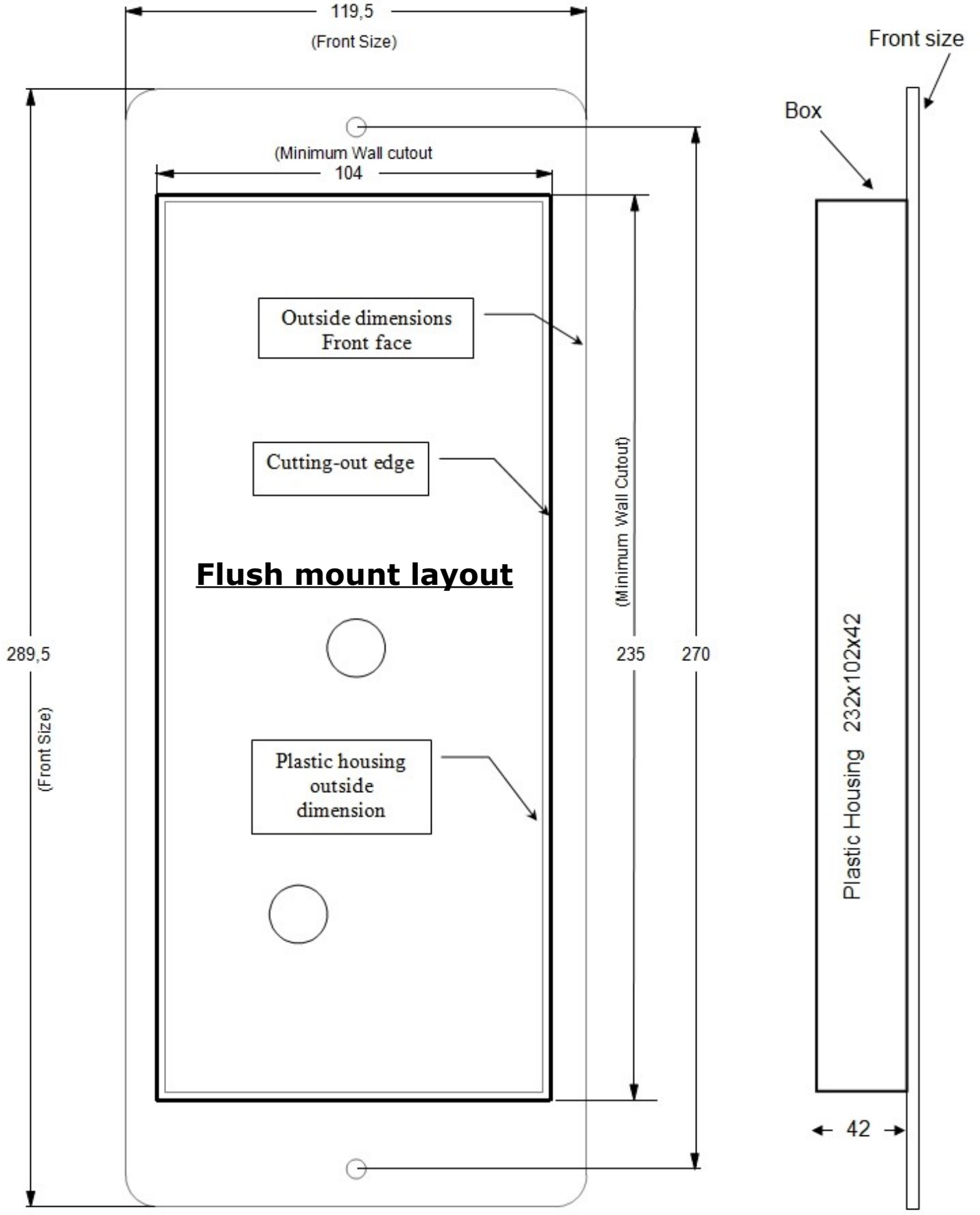
In mm



Wall drilling plan

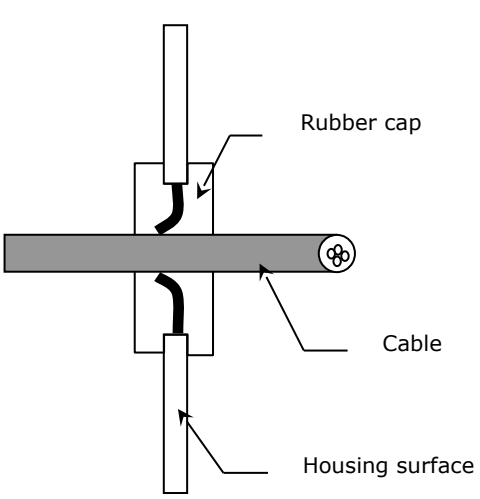
With or without keypad models

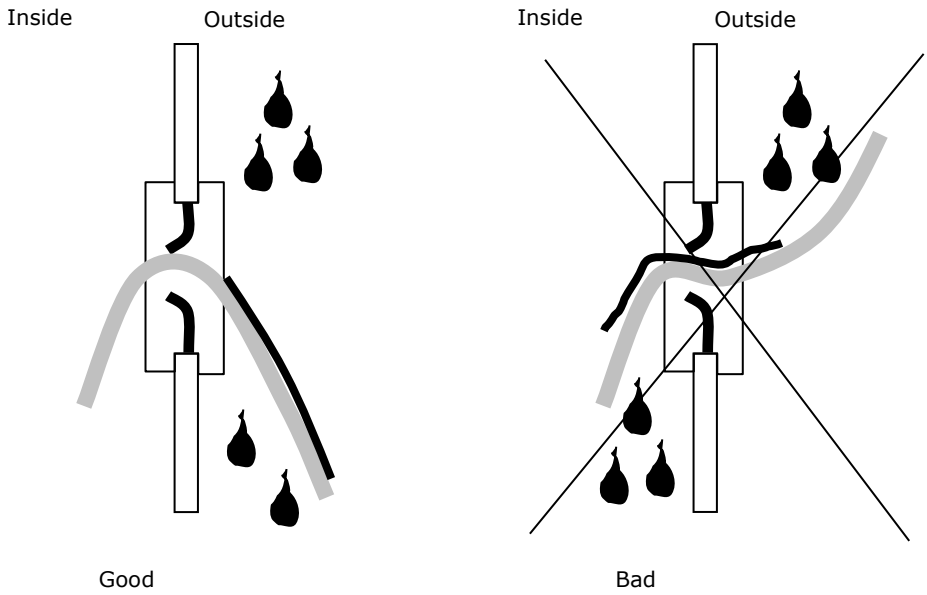
In mm



2.3. Cable routing and connection

In order to improve the protection against humidity and bad weather: Drill the cable(s) holes with a slightly thinner dimension than the diameter of the cable itself, bend the cable downwards to let the water and humidity run outside of the case.





The case has been drill at many places in order to permit a natural ventilation. Please do not obstruct these holes.

3. How to use it

3.1. Identification of the dialling buttons

The dialling buttons are always numbered from right to left and top to bottom from Bt1 to Bt8 regardless of the number of buttons available. Only models with keypad have an additional lower button named Door button and allowing opening the door by entering keypad code.

3.2. Calling

1) By using the off-hook/memory button (automatic dialling)

To go off-hook, simply press any of the off-hook/memory buttons. The unit will automatically turn to 'speakerphone' mode and the number stored into its memory if any will be dialled out (once the unit has been configured, see §4.4 Memory keys storing p 26).

The 'calling'  icon lights up and the 'call in process' voice message is played.

If the other party does not answer and if several numbers have been stored into this memory, the unit will automatically dial the following number stored. If chain dialling is activated, the sequence of number will be repeated several times.

It is also possible to make group callings, according to the dialling button setting.

The dialling, the chain dialling and the group calling can be managed by programmable calendar control, to activate them according to time and day.

When the other party answers, the 'talk'  icon lights up, the conversation will be held in the 'speakerphone' mode.

When the call is over, the SecurAccess SIP PMR will automatically hang up, or you can hang up the unit by pressing again the off-hook/memory button.

2) By using the keypad (manual dialling, only with keypad model)

The SecurAccess SIP PMR keypad can operate according to 2 selectable modes: (see §4.5 Keypad mode p 29)

- **regular dialling**, to call, simply dial a phone number thanks to the keypad and wait 4 seconds (default pause, adjustable), the unit will automatically turn to 'speakerphone' mode and the number will be dialled out.
IP address can be used to make a 'P2P' (peer to peer) call, if both phones are on a same network segment. When entering IP address, replace '.' by '#' (Eg: 192.168.92.100 = 192#168#92#100).

- **or speed dialling**, to call, simply dial a speed-dial number thanks to the keypad, the unit will automatically turn to 'speakerphone' mode and the 1st stored phone number will be dialled out (once the unit has been configured, see §5.1 Phonebook p 30).
Up to 999 speed-dial numbers can be stored in the SecurAccess SIP PMR phonebook, a very useful feature for installations with a called party large number which can be called from the doorphone.
According to the speed-dial numbers setting, it is also possible to make chain diallings or group callings, managed or not by programmable calendar control, to activate them according to time and day.

The 'calling'  icon lights up and the 'call in process' voice message is played.

When the other party answers, the 'talk'  icon lights up, the conversation will be held in the 'speakerphone' mode.

When the call is over, the SecurAccess SIP PMR will automatically hang up, or you can hang up the unit by pressing a off-hook/memory button.

3.3. Answering a call

On incoming call, the doorphone automatically hangs up.

Once off-hook, the 'talk' icon lights up, the conversation will be held in the "speakerphone" mode.

When the call is over, the SecurAccess SIP PMR will automatically hang up, or you can hang up the unit by pressing a off-hook/memory button.

3.4. Automatic line disconnection

This may happen during the dialling process or during a conversation in the following cases:

1. When pressing again one of the off-hook/memory buttons
2. No answer duration elapsed

3. Timed conversation duration elapsed

3.5. Remote door latch activation

A party called by the SecurAccess SIP PMR can activate the door latches relays by entering one of the stored codes (once the codes have been configured, see §5.4 Relays and door latches codes p 34) corresponding to the relay, during the conversation and on a tone telephone keypad.

- If a right code is entered, the corresponding door latch will be activated, the 'door'  icon lights up and the 'door is open' voice message is played.

- If a wrong code is entered, nothing will happen in the next 3 seconds, the unit will not hang up waiting for the right code.

- If the same code is assigned to the two door latches relays, the two relays will be activated according to their respective activation time.

***Note**: - the door latch code can be stored in a one touch memory button of the called party.*
- door latch activation times can be configured (see §5.4 p 34).

Important: - activation of this code requires a Tone compatible telephone and PABX.
- the door latch n°1 is for opening doors use only, because disabled help signallings are associated with it.

The called party, using **a PC with the dedicated Depaepe software**, can activate door latches by clicking on 'key' buttons in the bottom right corner of the screen.

To install and to set the dedicated Depaepe software for PC, please see §8 Video pop-up for PC p 44.

***Note**: a SecurAccess SIP PMR allows to activate/deactivate door latch codes according to time and day by programmable calendar control.*

3.6. Local door latch activation

Only **models with keypad** have an additional lower button named Door button and allowing opening the door by entering keypad code (see p 7).

Press the door button, you can hear a beep tone, then enter with the keypad one of the stored codes (once the codes have been configured, see §5.4 Relays and door latches codes p 34) corresponding to the relay.

- If a right code is entered, the corresponding door latch will be activated, the 'door' icon lights up and the 'door is open' voice message is played.

- If a wrong code is entered, the 'error' voice message is played, the unit will not hang up waiting for the right code.

- If the same code is assigned to the two door latches relays, the two relays will be activated according to their respective activation time.

***Note**: - door latch activation times can be configured (see §5.4 p 34).*
- a SecurAccess SIP PMR allows to activate/deactivate door latch codes according to time and day by programmable calendar control.

Important: the door latch n°1 is for opening doors use only, because disabled help signallings are associated with it.

3.7. Video monitoring

The SecurAccess SIP PMR is fitted with a wide angle colour video camera allowing visitors monitoring, by which it can make a video call or a remote monitoring, with an IP videophone or with the dedicated Depaepe PC software.

The doorphone video streaming can be permanently watched or only during call activity.
It is possible to record videos and images with the dedicated PC software and to e-mail them.

You can adjust video and lightning settings for the camera, and audio settings. Please see §6.2 Audio settings p 37 and §6.4 Video settings p 38.
To install and to set the dedicated Depaepe software for PC, please see §8 Video pop-up for PC p 44.

3.8. Hearing aid induction coil

The SecurAccess SIP PMR is equipped with an induction coil so that a person wearing a hearing device can hear the conversation (loudspeaker out).

This feature is permanently enabled, no adjustment is required.

4. General programming

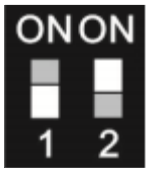
4.1. Standard settings

The SecurAccess SIP PMR doorphone comes with default settings:

Ip address:	192.168.1.250
Subnet mask:	255.255.0.0
SIP mode:	P2P (static IP address)
User name:	admin
password :	1234

All models are fitted with a programming switch (see pictures p 8 and next), that lets you restore these default IP settings of the doorphone.

1: Always on the 'ON' position
2: ON = default IP configuration
OFF= 'normal' operation



The right switch 2 allows to restore the default IP configuration: place the right switch 2 on 'ON' position, and then disconnect and reconnect the Ethernet cable (PoE) or the power supply. The doorphone will be restored and reboot. Its IP address is 192.168.1.250. After the reboot of the unit, place the right switch 2 on 'OFF' position (normal).

4.2. Standard factory settings overview

Parameters		**Default values**
Web interface	Access	login : admin password : 1234
Network advanced	QoS Set - Layer x	Layer 3 : 48 Layer 2 : blank
	Web Server - HTTP Port	80
SIP parameter	SIP Mode	Mode peer to peer
	Host name	IP DoorPhone
	SIP User Agent	IP BOLD
	Authentification	250
	Auth id	none
	Password	none
	Registration server	none
	SIP Transport	TCP & UDP
	Provisional code	180 ringing
	Enable symetric RTP	none
Network setting	IP address	192.168.1.250
	Subnet mask	255.255.0.0
	login	admin
	password	1234
Relay 1	Enable	Yes
	Timetable	None
	Relay mode	monostable
	Delay time	0
	Run time	5
	Source	Relay 1
	Synchronize delay	0
	Active on call	ignore
	Active button on http	Yes
Relay 2	Enable	No
	Timetable	None
	Relay mode	monostable
	Delay time	0
	Run time	5
	Source	Relay
	Synchronize delay	0
	Active on call	ignore
	Active button on http	Yes
Door sensor	Input door sensor 1	Exit button relay 1
	Input door sensor 2	Exit button relay 2
Time setting	Time zone	Paris
Door Phone	Maximum call duration	180 sec
	Active buttons on http	Yes
	Same key pressed again	cancel
	Dialing timeout	4 sec
	Camera light	During a call
	Light intensity	50
	Light intensity for camera and labels	50
	Label light	always
Video	Image size	640*480
	Quality	optimal
	Power line	60 Hz
Video codec	1st codec priority	H264
	2nd codec priority	H263

4.3. Settings via Web interface

The SecurAccess SIP PMR Web interface comes by default in french.
You can modify the language by clicking on the 'Flag' button in the top right corner of the screen. Click on '**Save**' button to save the modification.

The SecurAccess SIP PMR comes out of factory in Static IP Address mode, the IP address is 192.168.1.250.

Your computer has to be on the same network segment that your phone in order to access to the setting page. Contact your network administrator if you have any doubt.

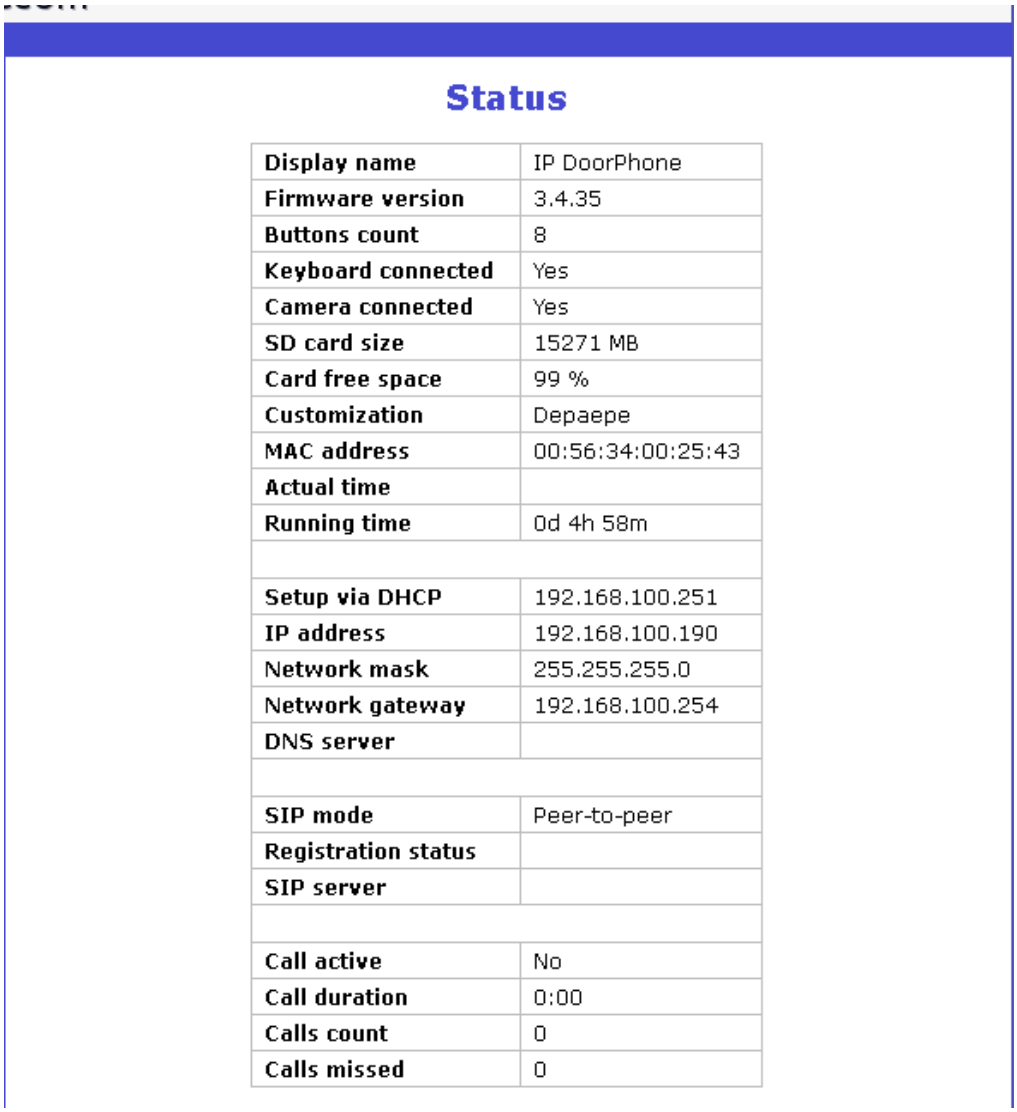
4.3.1. Web interface access, doorphone status

Enter the '**192.168.1.250**' IP address into the address bar of your internet browser.
You access the home page, the video image of the doorphone displays :

Click on 'Setup' button, and enter the login and the password. By default, the login is 'admin' and the password is '**1234**'.

You access the 'Status' page which informs you on :

- the doorphone display name,
- the firmware version,
- the buttons number,
- options (keypad, camera),
- the micro SD card,
- the MAC address,
- the IP address,
- the SIP mode or P2P,
- the registration status…

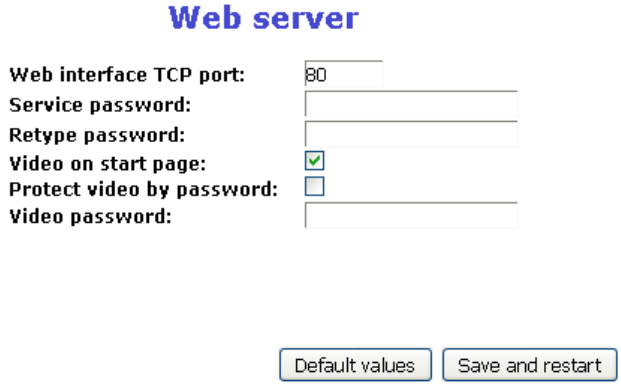


Status

Display name	IP DoorPhone
Firmware version	3.4.35
Buttons count	8
Keyboard connected	Yes
Camera connected	Yes
SD card size	15271 MB
Card free space	99 %
Customization	Depaepe
MAC address	00:56:34:00:25:43
Actual time	
Running time	0d 4h 58m
Setup via DHCP	192.168.100.251
IP address	192.168.100.190
Network mask	255.255.255.0
Network gateway	192.168.100.254
DNS server	
SIP mode	Peer-to-peer
Registration status	
SIP server	
Call active	No
Call duration	0:00
Calls count	0
Calls missed	0

4.3.2. Password, web port and video on home page

Via the ‘Network’ page, select ‘Web server’.



Web server

Web interface TCP port: 80
Service password:
Retype password:
Video on start page: ☑
Protect video by password: ☐
Video password:

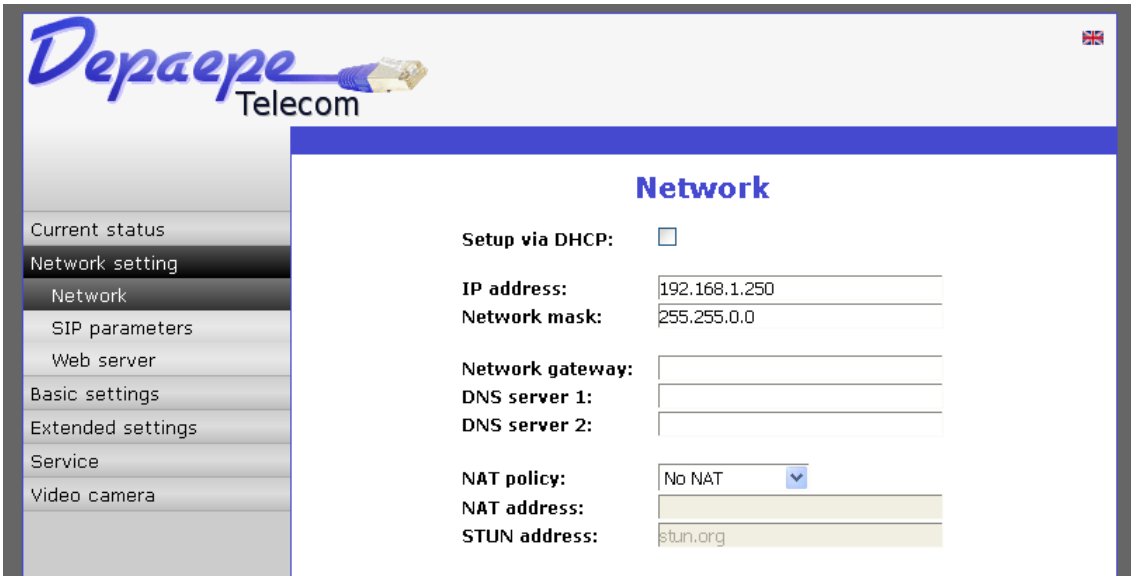
Default values | Save and restart

WEB port: for security reasons, you can modify the TCP 80 port with an other one.
Admin password/Confirm password: enter a new one (by default '1234'), up to 40 characters.
Video on home page: by default this feature is activated. By unselecting, the video on home page is deactivated and you directly access the 'Status' page.
Video protection by password: protection to secure access by password to http://ipaddress/video.jpeg (camera image).

Click on '**Save and restart**' button to save modifications. The doorphone reboots.

4.3.3. Network settings

Via the 'Network setting' page, select 'Network'.
The SecurAccess SIP PMR doorphone comes out of factory in Static IP Address mode , DHCP is deactivated.



DHCP mode: mark to activate, the doorphone will try to contact a DHCP server in your network, to obtain valid network settings (IP address, Network mask, Networks gateway, DNS, etc).

IP address: if the doorphone cannot be connected to a DHCP server, you must manually enter the network settings in this section.
Network mask: enter the IP address of the subnet mask.

Network gateway: enter its IP address.
DNS: enter the server IP address - the doorphone will try to contact a DNS server in your network, to translate a name into an IP address.

NAT policy: activate or deactivate the network address translation service (in order to match IP addresses to other IP addresses).
NAT address: enter the server IP address.
STUN address:

Click on '**Save**' button to save modifications.

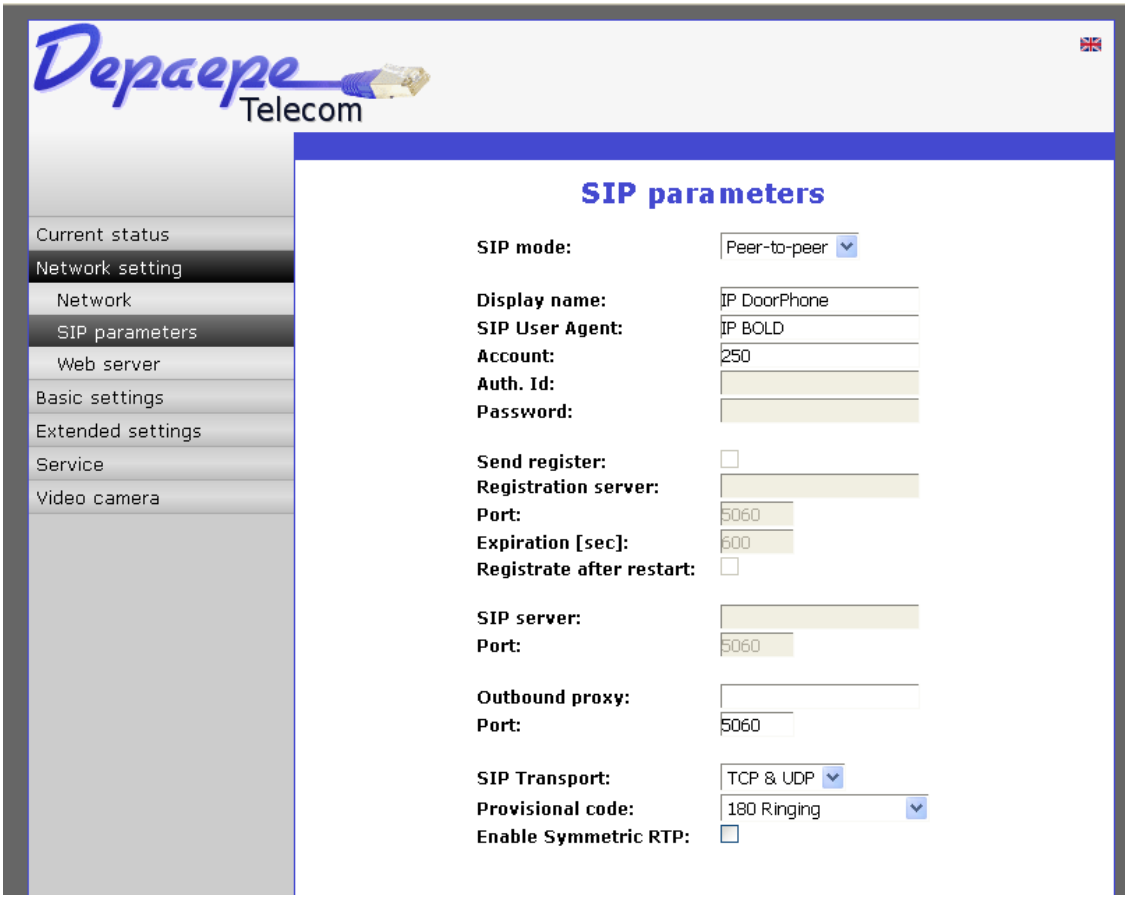
Note : *in DHCP mode, the doorphone IP address can change after reboot. We therefore recommend that the Static IP Address mode is selected for the SecurAccess SIP PMR.*

Please pay attention, wrong network settings may prevent the access to your doorphone, and the inefficiency of your network. Contact your network administrator if you have any doubt.

4.3.4. SIP account settings

The SecurAccess SIP PMR has one SIP account.

Via the 'Network setting' page, select 'SIP parameters'. The following settings will appear and can be modified:



Mode Sip: select SIP server (IP pbx) or Peer-to-Peer (by default).

Display name: enter a name for the doorphone.
SIP User Agent:
Account: enter extension number, for authentication purpose, provided by IAP.
Auth.ID: enter extension name, for SIP server registration, provided by IAP.
Password: password for SIP server registration, provided by IAP.

Send register: mark to activate, if necessary for 'Registration server' and 'SIP server' fields. If you do not mark, do not fill in the two fields.
Registration server: enter the registration server IP address or name.
Port: SIP port, 5060 or 5061.
Expiration [sec]: enter the time frequency the doorphone refreshes its registration to the SIP server.
Registrate after restart: mark to unregister on reboot the doorphone.

SIP server: enter SIP server IP address or name (IP pbx, SIP provider). If this is not filled in the doorphone is registrered on the Registration server (you must mark 'Send register').

Port: 5060 SIP port.

Outbound proxy: enter Proxy server IP address or name. Complete only if the outbound proxy is different from the SIP server.
Port:
SIP transport: UDP/TCP mode for transmission packets.
Provisional code: defines the SIP code during ringing, '180 ringing' or '183 Session progress'.

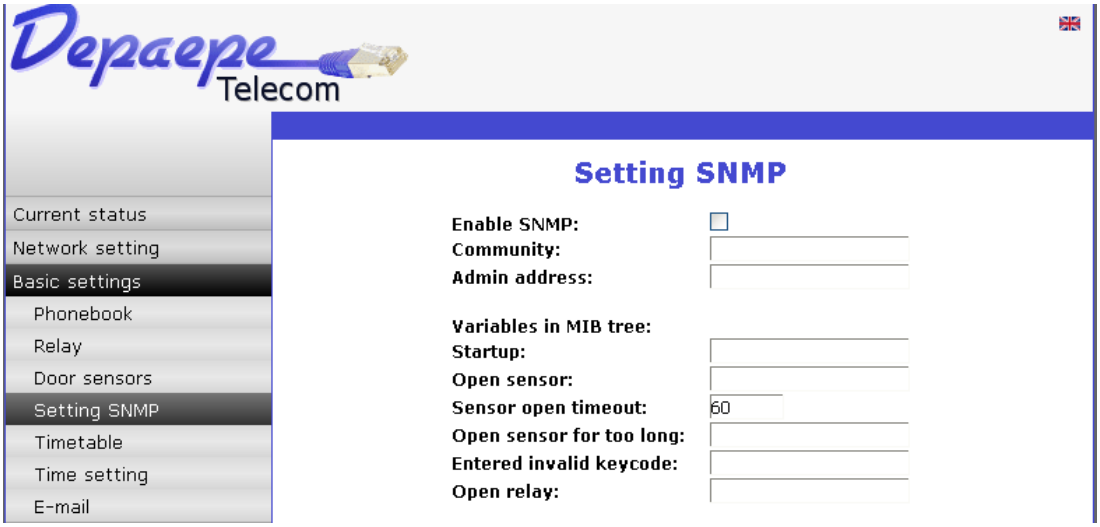
Enable Symmetric RTP: used by Cisco in particular.

Click on '**Save**' button to save modifications.

4.3.5. SNMP

SNMP = Simple Network Management Protocol

Via the 'Basic settings' page, select 'Setting SNMP'. The following settings will appear and can be modified:



Enable SNMP: mark to activate this protocol.
Community: enter the SNMP user.
Admin address: enter client IP address or domain name.

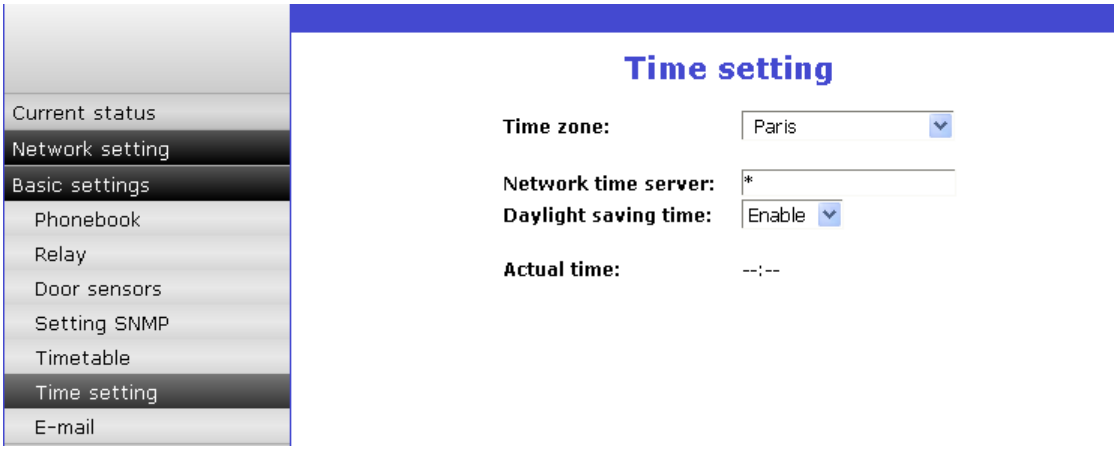
Variables in MIB tree: set of organized informations about a network device (OID).
Startup: contact your network administrator.
Open sensor:
Sensor open timeout:
Open sensor for too long:
Entered invalid keycode:
Open relay:

Click on '**Save**' button to save modifications.

Note: *OID is the digital identification allowing to definitively identify any value in SNMP communication. OID is created by a sequence of numbers connected with dots. Each dot represents one level in the MIB tree.*

4.3.6. NTP, date and time settings

Via the 'Basic settings' page, select 'Time setting'. The following settings will appear and can be modified:



Time zone : select your time zone.

NTP server: enter NTP server IP address or domain name. By entering *, the SecurAccess SIP PMR will automatically find a NTP server.
Summer time: select enable/disable.

Click on '**Save**' button to save modifications.

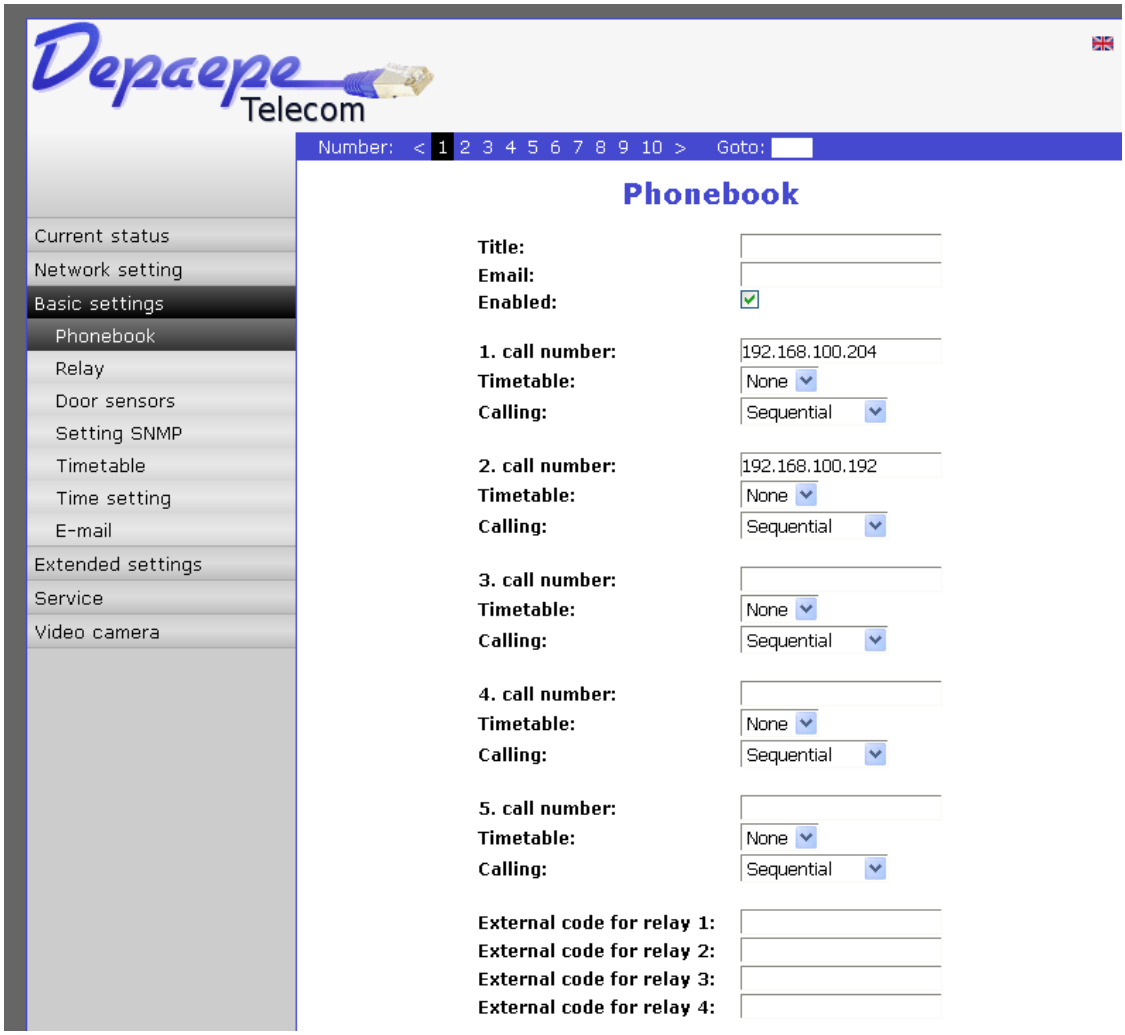
The doorphone must be synchronized to a NTP server for a proper functioning of the calendar control management for dialling buttons and door codes (please see §5.2 Calendar p 31).

4.4. Memory keys storing

Buttons web pages access

The SecurAccess SIP PMR comes with 1 up to 8 programmable off-hook and dialling buttons. For each of the buttons, numbers to be dialled when depressing one of them are stored in numbered forms (from 1 to 8) called 'Phonebook'.
E.g : button n°1 - phonebook n°1, button n°2 - phonebook n°2, …up to n°8.

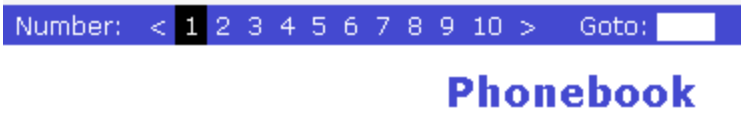
Via the 'Basic settings' page, select 'Phonebook'. The **phonebook page of the dialling button n°1** will appear, and the following settings can be modified:



Please fill out the fields to save and to enable the phonebook:
Title: enter a name.
Email: to this email will be sent information about missed calls with picture or video (see §5.3 p 32), enter an email address.
Enabled: mark to activate this phonebook.

Click on '**Save**' button to save modifications.

You can access the **phonebook page of the dialling button n°2** by clicking on tab '2' or by entering '2' in 'Goto:' field in the upper blue banner.



You can proceed in the same way for phonebooks of the **other dialling buttons, up to the tab '8'.**

4.4.1. To simply dial one phone number

To access dialling buttons phonebooks, to enable them or to switch from one to another, please see § Buttons web pages access (here above).

On the dialling button phonebook web page (screenshot here above) you want to program:
1) **Fill out the '1. call number' field**: entry the phone number to be dialled when depressing the dialling button.

Note 1: *in SIP server mode (doorphone connected to a PABX), if needed, insert a '0' or a '9' before, to dial the phone number on the public network.*

Note 2: *in 'P2P ' (peer to peer) mode, the IP address of a phone can be stored with the 'xxx.xxx.xxx.xxx' format.*

Do not fill out other fields of the phonebook form, if you want **to simply dial one number when depressing a dialling button**, without chain dialling, group calling, or calendar control management features.

Click on '**Save**' button to save modifications.

2) You can proceed in the same way for **every dialling buttons** of your SecurAccess SIP PMR, up to the tab '8'.

4.4.2. To dial in chain up to 5 numbers

This feature, when activated, will automatically keep on dialing a sequence of numbers stored into the same dialling button if the other party does not answer or if busy line tone is detected, it will only stop when another party answers.

Up to 5 different numbers can be stored in each key (phonebook page), and the dialing sequence can be repeated up to 9 times (see §6.1 DoorPhone - Ringing cycle count p 36).

Time elapsed before the next call can be adjusted (see §6.1 - Ringing timeout p 36).

To access dialling buttons phonebooks, to enable them or to switch from one to another, please see § Buttons web pages access (here above).

On the dialling button phonebook web page (screenshot here above) you want to program:
1) **Fill out the '1. call number' field**: entry the phone number to be dialled when depressing the dialling button.

Note 1: *in SIP server mode (doorphone connected to a PABX), if needed, insert a '0' or a '9' before, to dial the phone number on the public network.*
Note 2: *in 'P2P ' (peer to peer) mode, the IP address of a phone can be stored with the 'xxx.xxx.xxx.xxx' format.*

2) In the **'Calling'** field select **'Sequential'** to activate the chain dialling with the next number.

3) Entry the 2nd number to be dialed in the **'2. call number'** field, in case of no answer or a busy line tone is detected on the 1st number call.

4) If you need to program another number), in the **'Calling'** field select **'Sequential'** to activate the chain dialling with the next number.
5) You can proceed in the same way for following numbers programming (up to 5 different numbers can be stored on phonebook page), up to the **'5. call number'** and **'Calling'** fields.

Click on '**Save**' button to save modifications.

6) You can proceed in the same way for **every dialling buttons** of your SecurAccess SIP PMR, up to the tab '8'.

4.4.3. To call a group of numbers (up to 5)

The SecurAccess SIP PMR doorphone can simultaneously call up to 5 phones, with different numbers, thanks to the 'Group calling' feature.
When one of the called parties picks up the call, the ringing to other group subscribers will be ended.

To access dialling buttons phonebooks, to enable them or to switch from one to another, please see § Buttons web pages access (here above).

On the dialling button phonebook web page (screenshot here above) you want to program:
1) **Fill out the '1. call number' field**: entry the 1st phone number of the group to be dialed when depressing the dialling button.

Note 1: *in SIP server mode (doorphone connected to a PABX), if needed, insert a '0' or a '9' before, to dial the phone number on the public network.*
Note 2: *in 'P2P ' (peer to peer) mode, the IP address of a phone can be stored with the 'xxx.xxx.xxx.xxx' format.*

2) For the 1st group number, in the **'Calling'** field select **'Group start'** to activate the group calling with the next number.

A group means 2 or more phone numbers.

3) Entry next group numbers to be dialed in the **'2. call number'** field, in the **'3. call number'** field, etc… and into each **'Calling'** fields select **'With previous'**.

Except for the last group number, select **'Group end' in 'Calling'** field.
Click on '**Save**' button to save modifications.

4) You can proceed in the same way for **each dialling buttons** of your SecurAccess SIP PMR, you want to program with the 'Group calling' feature, up to the tab '8'.

4.4.4. To manage by programmable calendar control

In addition to the previous features, the SecurAccess SIP PMR doorphone allows to activate stored numbers into the dialling buttons phonebooks according to calendars (timetables).

These calendars are weekly. Every day of the week is configurable according to 3 active intervals. We can create and name up to 10 different timetables.

The doorphone must be synchronized to a NTP server for a proper functioning of the calendar control management.

1) Create and name one or several timetables by referring to §5.2 Calendar p 31.

2) Go to the dialling button phonebook web page (screenshot here above) you want to program.

3) Select **the timetable name** you want to assign to a call number in the **'Timetable'** field.

4) Click on '**Save**' button to save modifications.
5) Repeat this process as many times as required, for each of the call numbers and for each of the dialling buttons you want to assign a timetable.

Note : *For the chain dialling and the group calling features, it is not enough to fill out the 'Timetable' field of the 1st call number. It is necessary to do that for each of the call numbers constituting the chain or the group, so that each of them will be managed according to the desired calendar.*

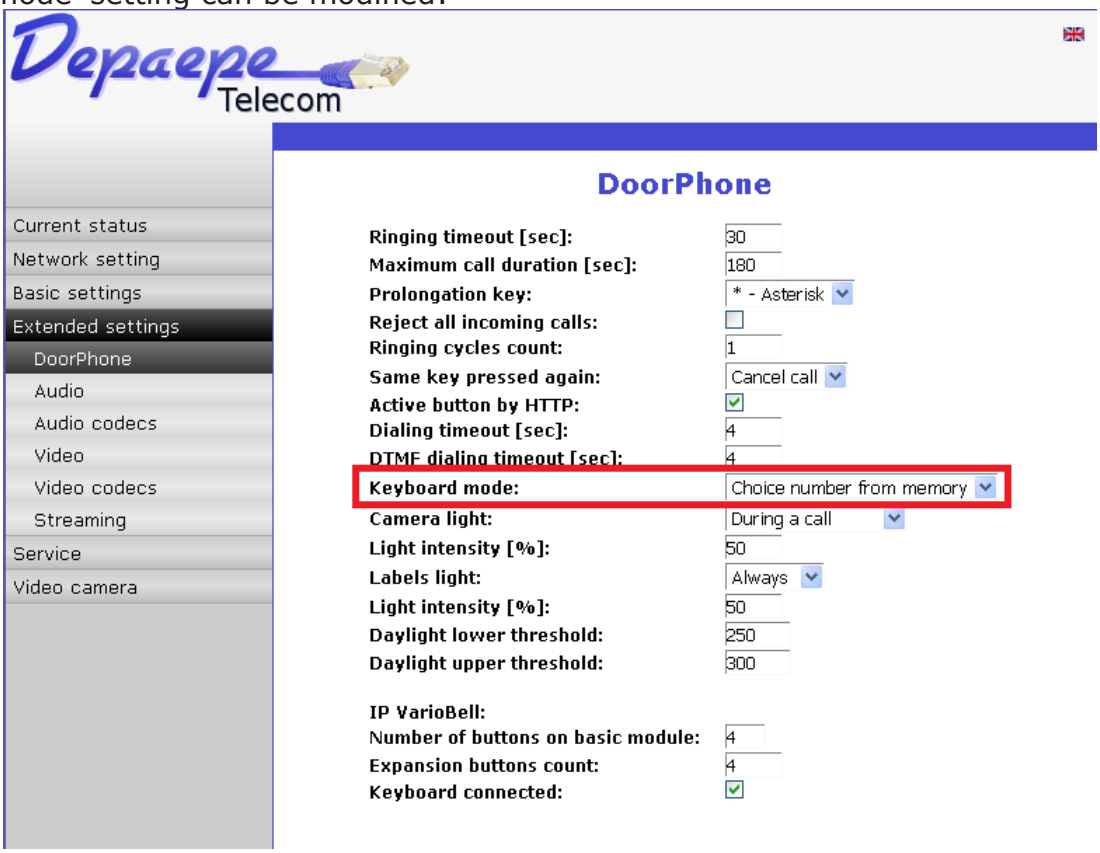
4.5. Keypad mode (only with keypad models !)

The SecurAccess SIP PMR keypad can operate according to 2 selectable modes:
- regular dialling,
dialling a phone number as from all phones.
In 'P2P' (peer to peer) mode, when entering IP address, replace '.' by '#' (Eg: 192.168.92.100 = 192#168#92#100).
- or speed dialling,
dialling a speed-dial number from 1 to 999.
Up to 999 speed-dial numbers can be stored in forms called 'Phonebook', a very useful feature

for installations with a called party large number, which can be called from the doorphone.
To access phonebooks, to enable them or to switch from one to another, please see here after.

Note : *the first 8 speed-dial numbers (from 1 to 8) are directly linked to dialling buttons phonebooks. In other words, when depressing the dialling button n°1 or the '1' key of the keypad (in speed dialling mode), the same action is performed, and so on…*

Via the 'Extended settings' page, select 'Doorphone'. The **doorphone page** will appear, and the 'Keyboard mode' setting can be modified:



In the **'Keyboard mode'** select:
- 'Direct dialling' to activate the **regular dialling**,
- or **'Choice number from memory'** to activate the **speed dialling**.

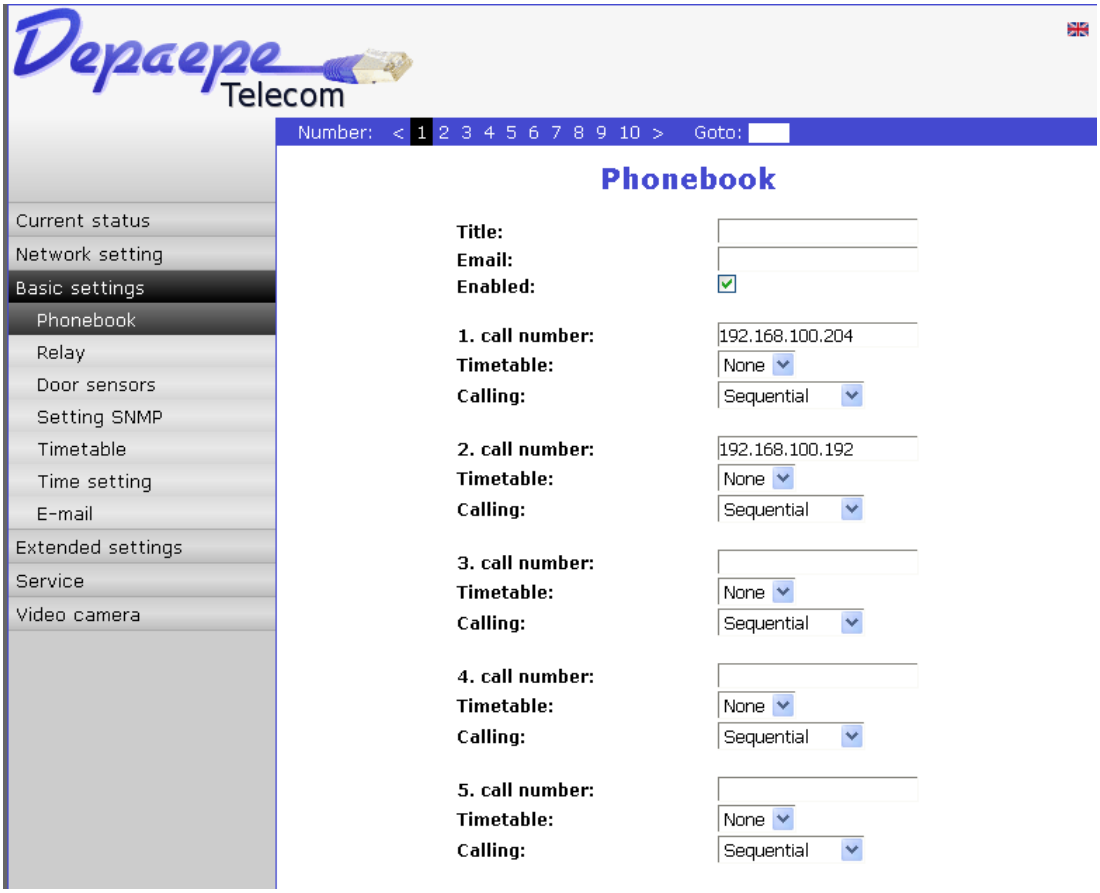
Click on '**Save**' button to save modifications.

5. Basic configuration

5.1. Phonebook

Up to **999** forms, called **'Phonebook'**, can be stored in the SecurAccess SIP PMR directory.
Up to 5 different phone numbers can be stored in these forms.

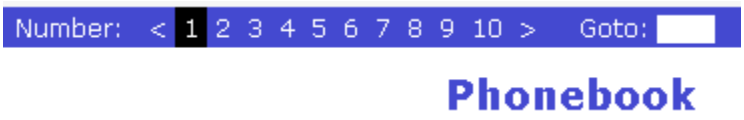
To access phonebook forms, via the 'Basic settings' page, select 'Phonebook':



Please fill out the fields to save and to enable the phonebook:
Title: enter a name (character only).
Email: to this email will be sent information about missed calls with picture or video (see §5.3 p 32), enter an email address.
Enabled: mark to activate this phonebook.
Click on '**Save**' button to save modifications.

The next fields of the phonebook allow to **set the dialling of one number, the chain dialling or the groups calling features**, managed or not by programmable **calendars** control to activate them according to time and day. Please see §4.4.1 and next p27.

To access another **phonebook page,** click on the desired tab number or enter its number in the 'Goto:' field in the upper blue banner.



Note: *the first 8 phonebook forms (from 1 to 8) allow to program the dialed numbers of the programmable dialling buttons (according to models, from 1 to 8 keys): see §4.4 p 26 .*
A speed-dial number is assigned to each of 999 phonebook forms. It can be dialed in speed-dialling mode, see §- or speed dialling, p 29 , a very useful feature for installations with a called party large number, which can be called from the doorphone.

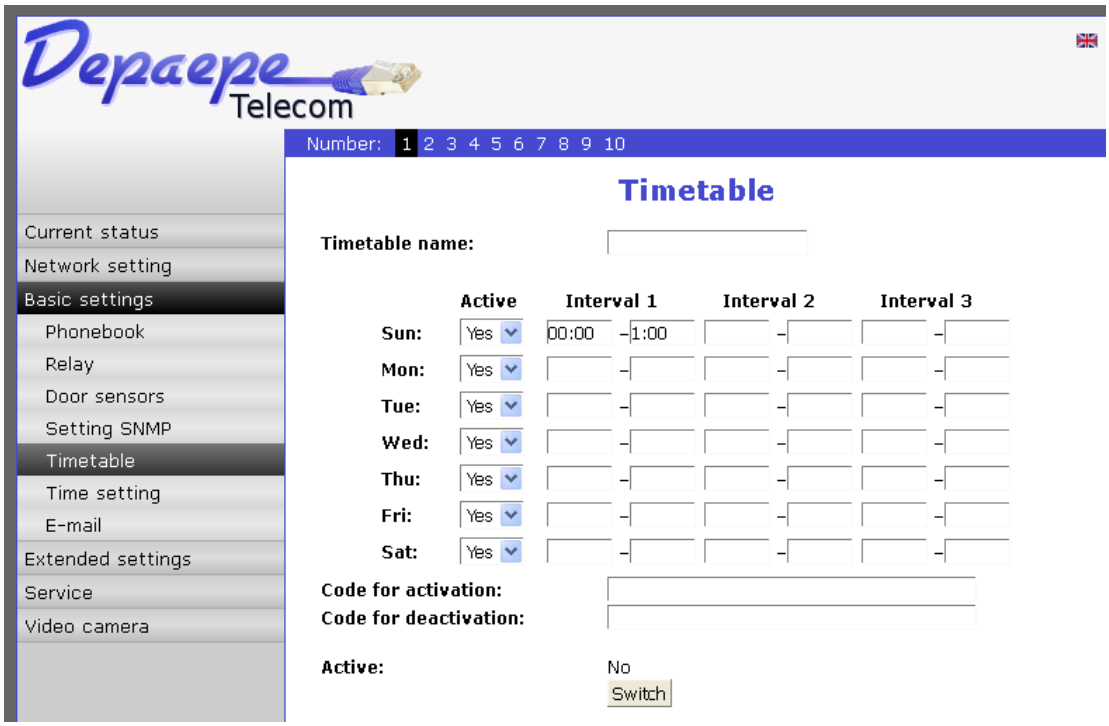
5.2. Calendar

The SecurAccess SIP PMR doorphone allows to activate/deactivate:
- stored numbers into the dialling buttons phonebooks,
- and/or relays, door latch codes,
according to time and day, by programmable calendars (timetables) control.

These calendars are **weekly**. Every day of the week is configurable according to **3 active intervals**. We can create and name **up to 10 different timetables**.

The doorphone must be synchronized to a **NTP server** for a proper functioning of the calendar control management.

To access timetable forms, via the 'Basic settings' page, select 'Timetable':



Name: entry name for each timetable.
Active: enable the timetable for each day.
Interval: for every day, up to 3 active intervals. The time format is hh:mm.
Active: timetable status (Yes/No).
Switch : click on to modify the timetable status.
Click on '**Save**' button to save modifications.

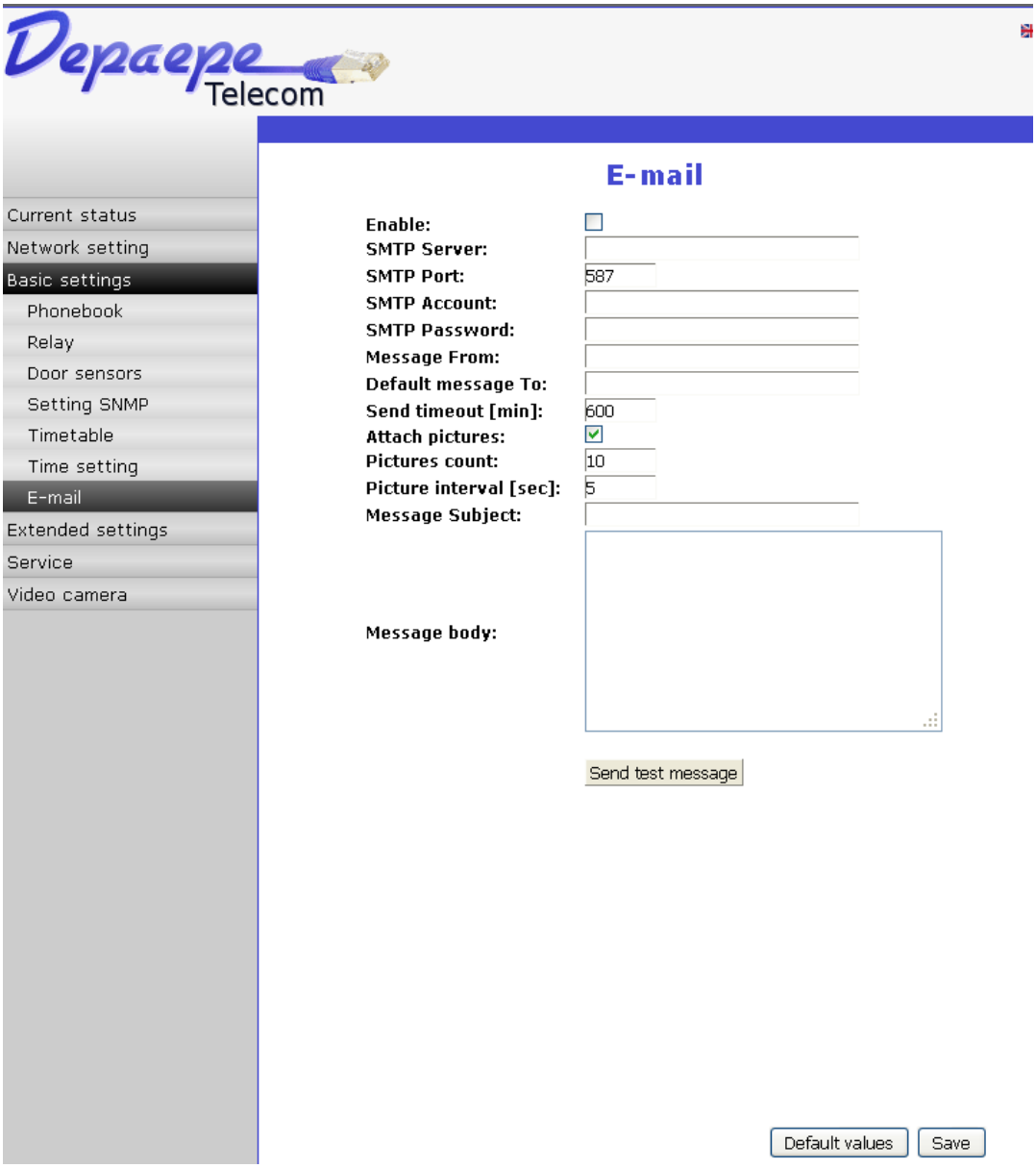
To create or access another timetable page, click on the desired tab number in the upper blue banner.

The used timetables are to be specified in fields of dialling buttons, phonebooks and relays forms. Users should be free to decide the timetables use, by filling out or not the forms 'Timetable' field.

5.3. E-mailing

When you want to inform subscriber about missed calls from door entry you can setup the SecurAccess SIP PMR to send out e-mails (with subject and text) after every missed calls. You can automatically add to e-mails one or more pictures from doorphone camera (pictures are taken during the ringing tone). The doorphone will send an e-mail to the recipients specified in the phonebook forms.

To access e-mail page, via the 'Basic settings' page, select 'E-mail':



Enable: mark to activate e-mails sending.
SMTP server: enter SMTP server IP address or domain name.
SMTP Port: only adjust in case of non-regular SMTP server setting. Usual value is 25.
SMTP account: if SMTP server authentication is required, enter the name for registration to this server. Otherwise, leave this field empty.
SMTP password: password for registration to SMTP server.
Message from: e-mail sender to be mentioned in sent e-mails.
Default message to: e-mail address of the main recipient or a notified, for control message sending too.
Send timeout (min): period for which the doorphone will try to send an e-mail.
Attach pictures: mark to enable the attachment of one or more pictures taken during the ringing tone or the conversation.
Pictures count: enter the pictures number to be attached to an e-mail.
Pictures interval (sec): period between two pictures.
Message subject and body: enter the contents for sending message.

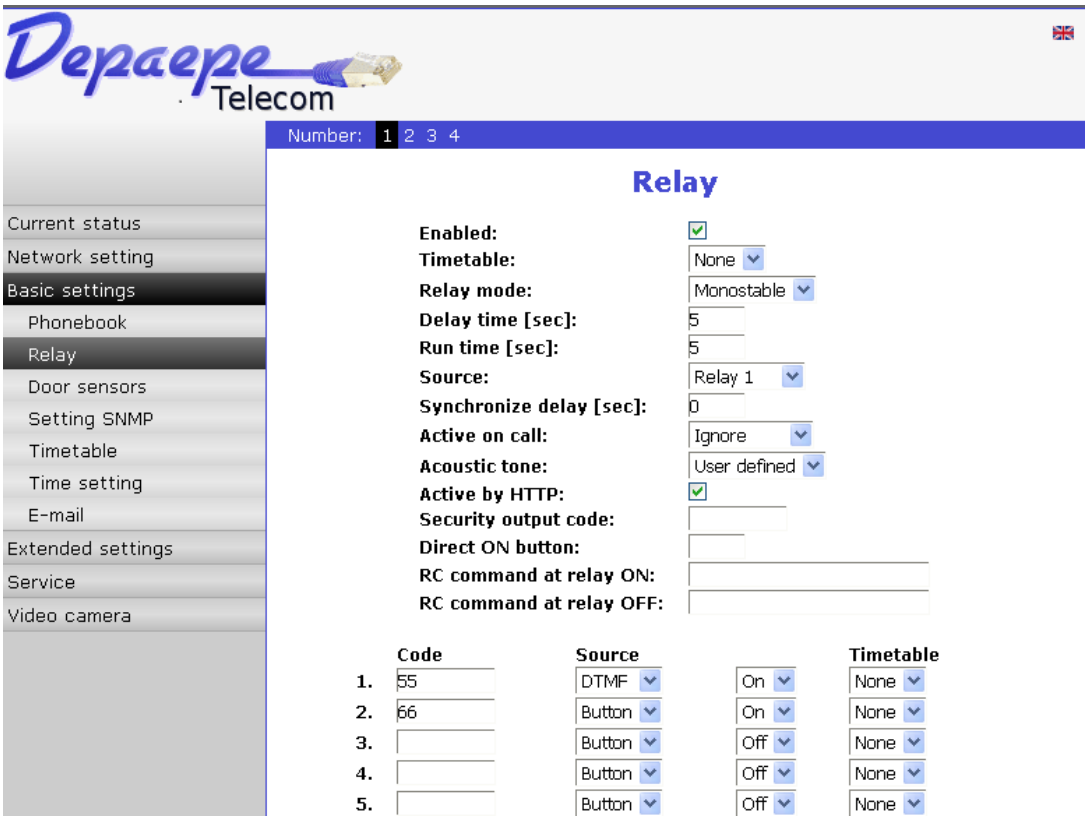
Click on 'Send test message' button to test settings.

Click on **'Save'** button to save modifications.

5.4. Relays and door latches codes

The SecurAccess SIP PMR is fitted with two NC/Com/NO driving relays (see connection p 11), and can activate them when entering a stored code for opening doors or airlock-like doors, locally thanks to the doorphone keypad, or remotely in DTMF during a call or thanks to the dedicated PC software.
The door latch n°1 is for opening doors use only, because disabled help signallings are associated with it.
Only the second relay can also be used as a dry contact for driving an alarm, an external camera, a light, or an auxiliary ringer…

Via the 'Basic settings' page, select 'Relay'. The **web page of the relay n°1** will appear, and the following settings can be modified:



1) Fill out fields:

Enable: mark to activate the relay.
Timetable: activate/deactivate the relay by timetable control. In the drop-down menu, select the timetable name you want to assign to the relay, or 'None' for no timetable control.
Relay mode:
Monostable, the relay is closed by a code and after a preprogrammed timeout it is open. Used for an electrical lock switching, a sliding doors control, a signalling button etc…
or bistable, the relay is closed by a code and is still closed until a Off code is dialled.
Delay time (sec): duration between closing code evaluation and relay closing. It has no influence on open code which is immediately performed.
Run time (sec): in monostable relay mode, relay closing duration, which is calculated from relay effective closing.
Source: by default Relay 1.
Synchronize delay (sec): duration between the start and the end of relays opening. Used for the delayed airlock-like doors application.
Activation on call:
None, call has no influence on relay status
Incoming call, relay is closed during an incoming call

Outgoing call, relay is closed during an outgoing call
Both, relay is closed during every call.

Acoustic tone: by default 'User defined', it allows to play the digital voice announcements (for disabled help recommendations). 'Short' disables the announcements playing and replaces them with beep.
Active by HTTP: by default marked, it allows to activate the relays thanks to the dedicated PC software.
Security output code:
Direct ON button:
RC command at relay ON:
RC command at relay OFF:

Door codes

We can create **up to 6 different codes** for each relays (numbered lines from 1 to 6).
Code: enter the desired code for door latch activation, from 1 to 10 digits.
Source: select the activation mode, remotely from a tone (DTMF) telephone keypad or locally by the door button of the doorphone (see p 7). If you want the 2 sources, enter twice the same code in 'Code' fields, one for each of the sources.
On/Off: activation/deactivation of the code with its source.
Timetable: activate/deactivate the code by timetable control. In the drop-down menu, select the timetable name you want to assign to the code, or 'None' for no timetable control.
You can proceed in the same way to program other door codes for this relay.

Click on **'Save'** button to save modifications.

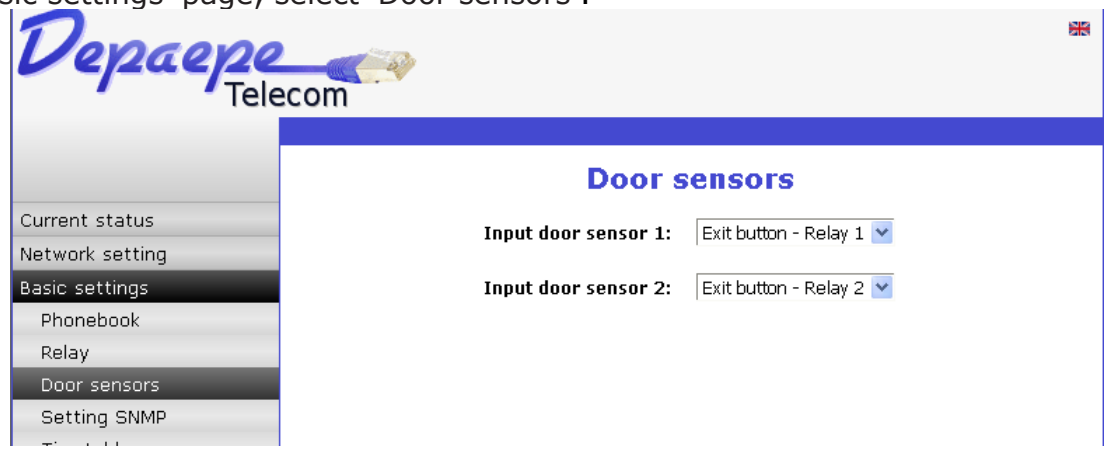
2) Repeat this process to program the **relay n°2**, after clicking on the tab '2' in the upper blue banner.

Note : only tabs 1 and 2 are enabled.

5.5. Sensors

The SecurAccess SIP PMR is equipped with **2 relays sensors** (C/NC) (see connection p 11) for connecting 2 delayed exit buttons, and for door latch electrical relays activation,...

Via the 'Basic settings' page, select 'Door sensors':



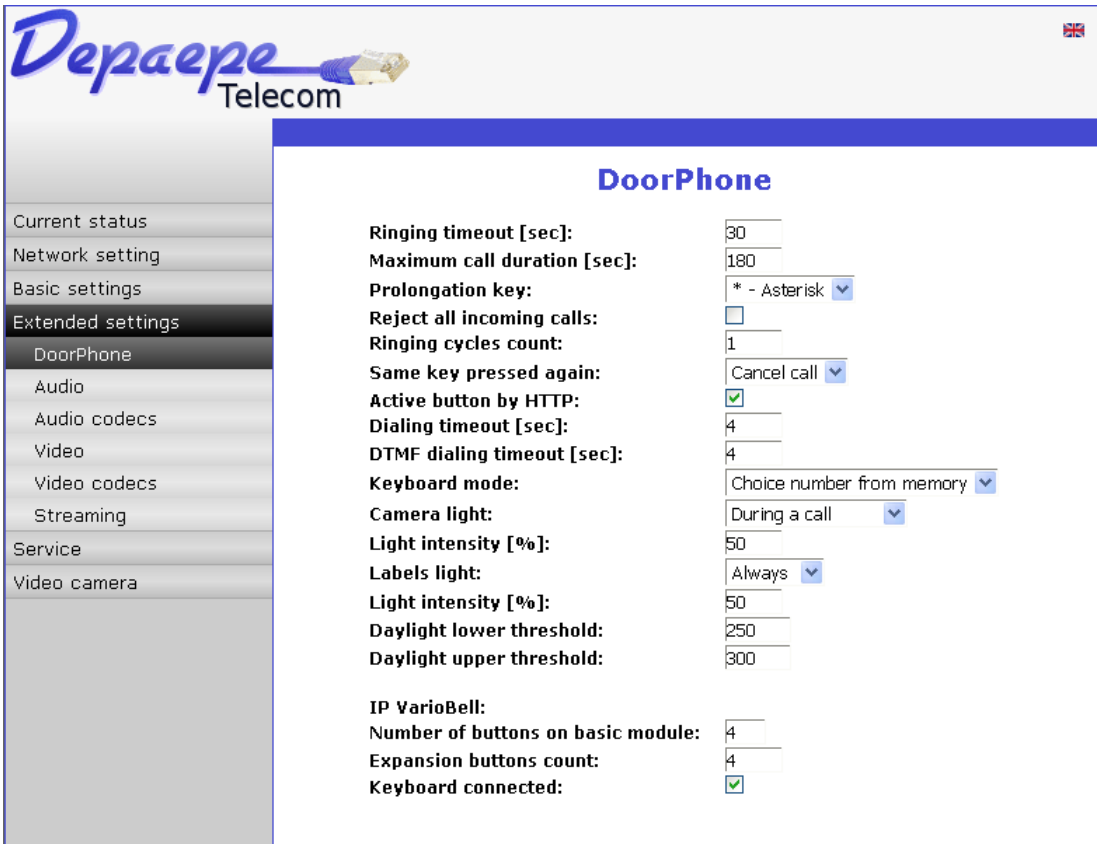
Input door sensor 1 & 2 : in the drop-down menu, select
'Door sensor', the censor is enable
or 'Exit button - Relay x' (1 by default) to add an exit button in order to activate the door latch relay 1 or 2 (for opening door).

Click on **'Save'** button to save modifications.

6. Advanced configuration

6.1. DoorPhone

Via the 'Extended settings' page, select 'DoorPhone':



Ringing timeout (sec): on outgoing calls, time elapsed in case of no answer, including for chain dialling numbers (before dialling the following number stored). This time can be adjusted.
Maximum call duration (sec): talking time can be limited. When this field is empty there is no talk time limit. When you enter a duration, 10 seconds before end of call the doorphone emits a 'beep' tone.
Prolongation key: select * or #. During a call, when you hear the 'beep' tone, press the * or # selected key to cancel the talk time limitation and to prolong the call of the maximum duration here above.
Reject all incoming calls: mark to deactivate incoming calls on the doorphone.
Ringing cycles count : enter number from 1 to 9, setting for chain dialling. It defines the repetition number (up to 9 times) of the dialling sequence of phone numbers stored into the same phonebook page (dialling buttons or speed-dial numbers).
Same key pressed again : in the drop-down menu, select 'Cancel call' or 'Redial' or 'Ignore' (nothing will happen). It defines the action when you press again the same dialling button.
Active button by HTTP : mark to enable calls the doorphone from the dedicated PC software.
Dialling timeout (sec): time elapsed before digits are dialled, in regular (direct) dialling mode.
DTMF dialling timeout (sec):
Keyboard Mode: 'Direct dialling' or 'Choice number from memory', see §4.5 p 29.
Camera light: in the drop-down menu, select lighting options of camera LEDs. 'OFF': will never light - 'During a call': are always lighted during a call, independently on surrounding light

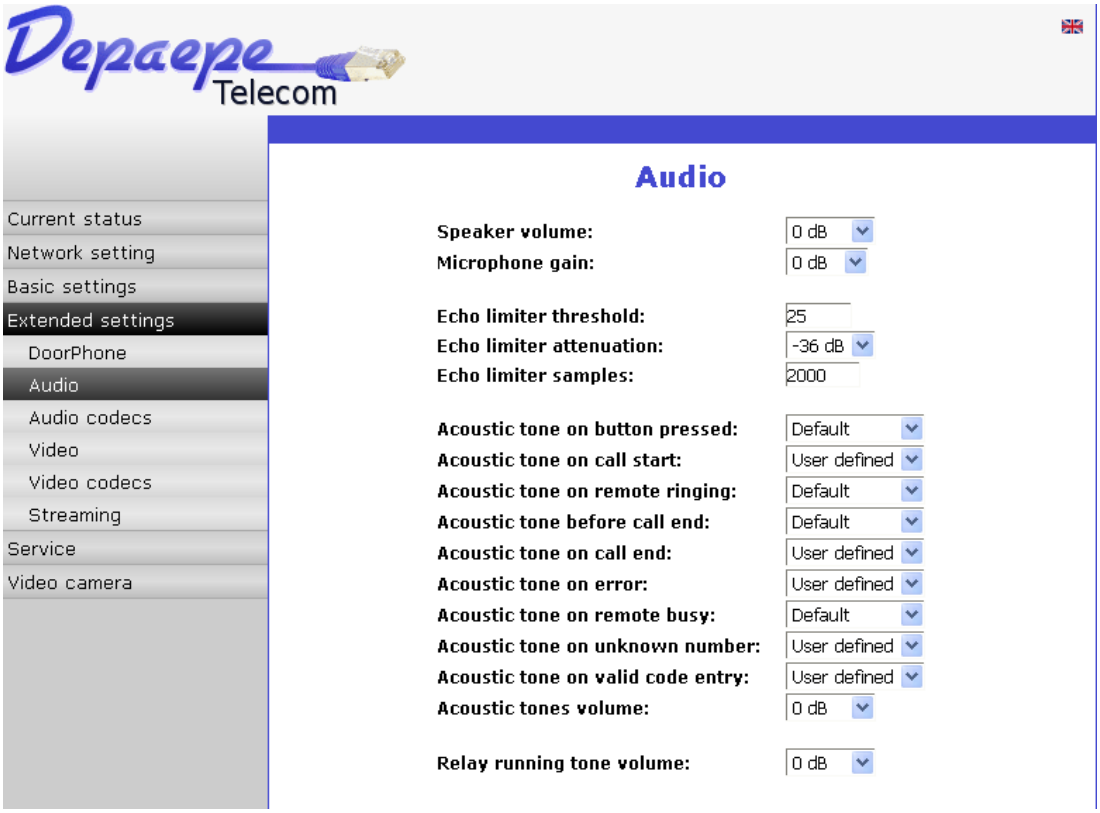
conditions - 'In the night': are lighted according to surrounding light conditions independently on call conditions - 'During night call': are only lighted during a call and in the dark.
Light intensity (%): enter the LEDs light intensity.
Labels light: in the drop-down menu, select the label display-keypad-buttons backlighting options. 'Never' - 'At night' - 'Always'
Light intensity (%): enter the LEDs light intensity.
Daylight lower threshold: adjusted by default.
Daylight upper threshold: adjusted by default.

IP VarioBell:
Number of buttons on basic module:
Expansion buttons count:
Keyboard connected:

Click on **'Save'** button to save modifications.

6.2. Audio settings

Via the 'Extended settings' page, select 'Audio':



Note: audio presets are optimized in factory, we do not recommend any modification.

Speaker volume: the loudspeaker volume can be adjusted, in dB.
Microphone gain: the microphone sensitivity can be adjusted, in dB.

Echo limiter threshold:
Echo limiter attenuation:
Echo limiter samples:

Note: echo, *default settings are usually sufficient for most situations. A wrong adjustment may affect the audio quality of conversations.*

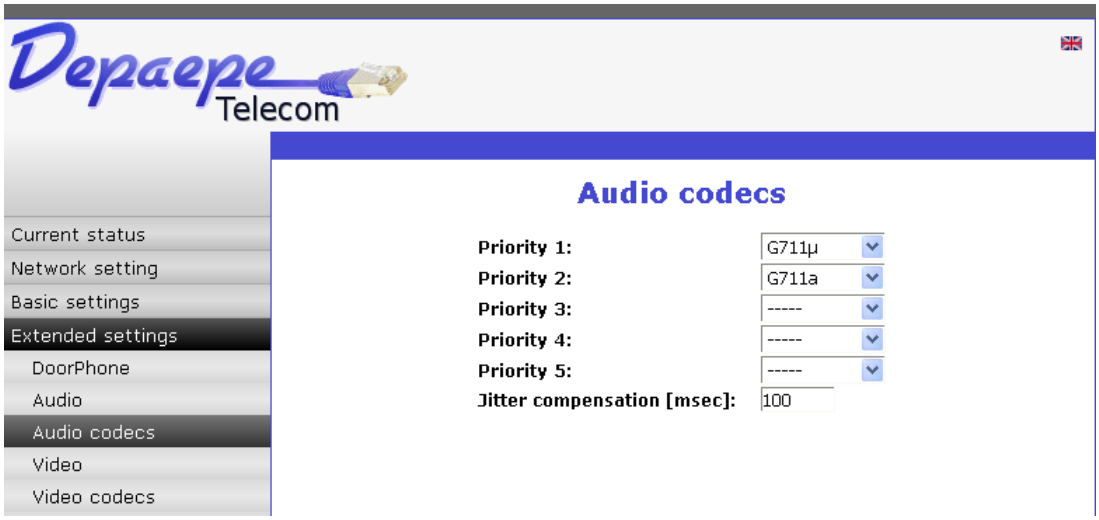
Acoustic tone on button pressed:
Acoustic tone on call start:
Acoustic tone on remote ringing:
Acoustic tone before call end:
Acoustic tone on call end:
Acoustic tone on error:
Acoustic tone on remote busy:
Acoustic tone on unknown number:
Acoustic tone on valid code entry:
Acoustic tones volume:

Relay running tone volume: the loudspeaker volume can be increased during the relay 1 is activated, in dB.

Click on **'Save'** button to save modifications.

6.3. Audio codecs

Via the 'Extended settings' page, select 'Audio codecs':

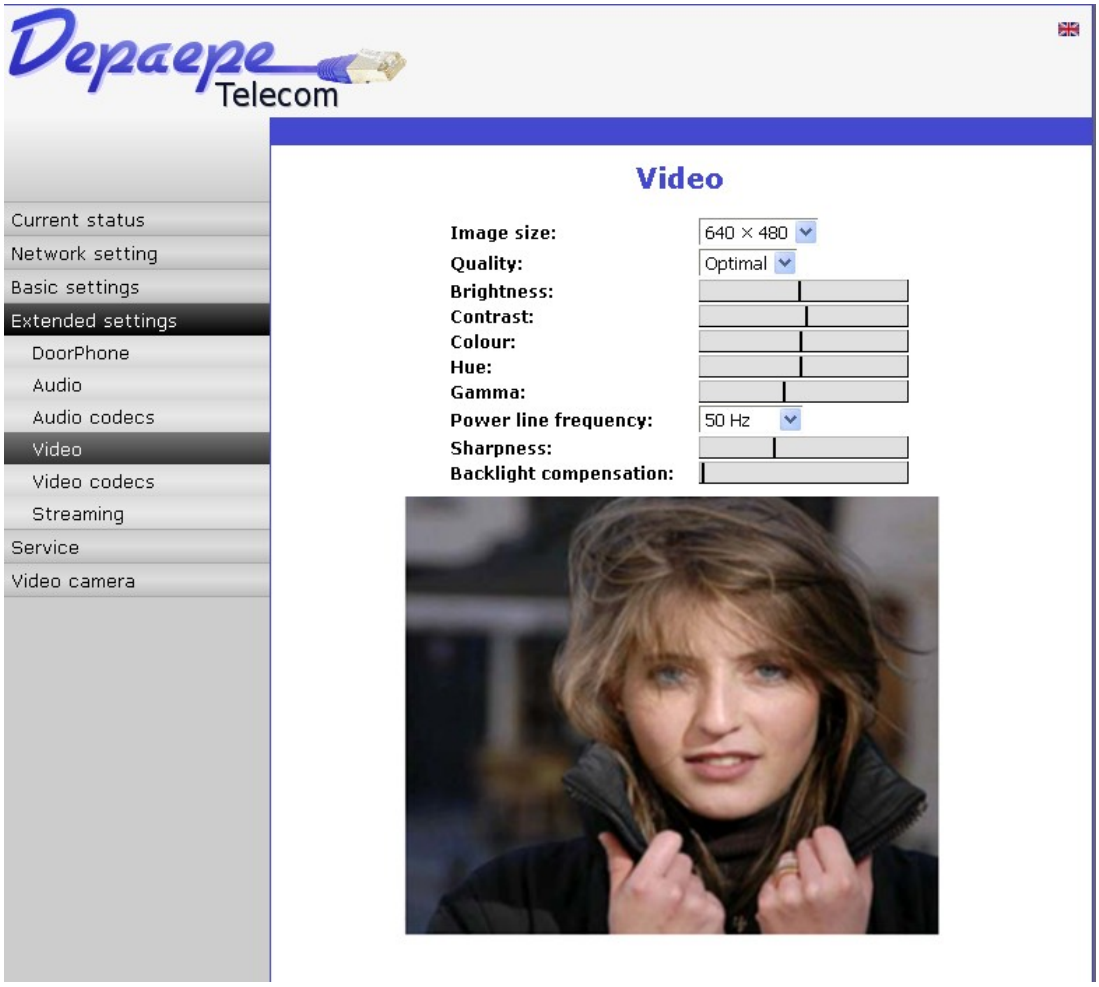


Priority from 1 to 5: for SIP calls, select the audio codecs priority.
Available codecs are: **G.711u, G.711a, G.722, G.726-32bit, GSM.**
Jitter compensation (msec): 100ms by default.

Click on **'Save'** button to save modifications.

6.4. Video settings

Via the 'Extended settings' page, select 'Video':



Note: ***video presets are optimized in factory, we do not recommend any modification.***

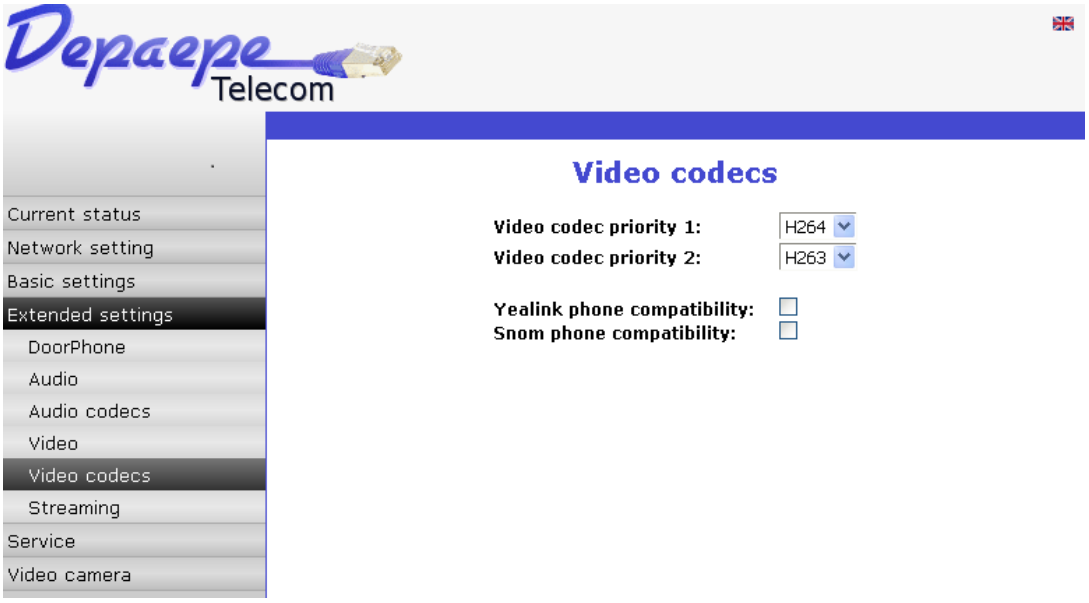
Image size: select the image resolution of the doorphone camera, default maximum 640x480px.
Quality: select the image quality.
Brightness - Contrast - Colour - Hue - Gamma: can be adjusted.
Power line frequency: select the scan rate of the doorphone camera
Sharpness - Backlight compensation: can be adjusted.

Note: camera, *default settings are usually sufficient for most situations. A wrong adjustment may affect the video quality.*

Click on **'Save'** button to save modifications.

6.5. Video codecs

Via the 'Extended settings' page, select 'Video codecs':



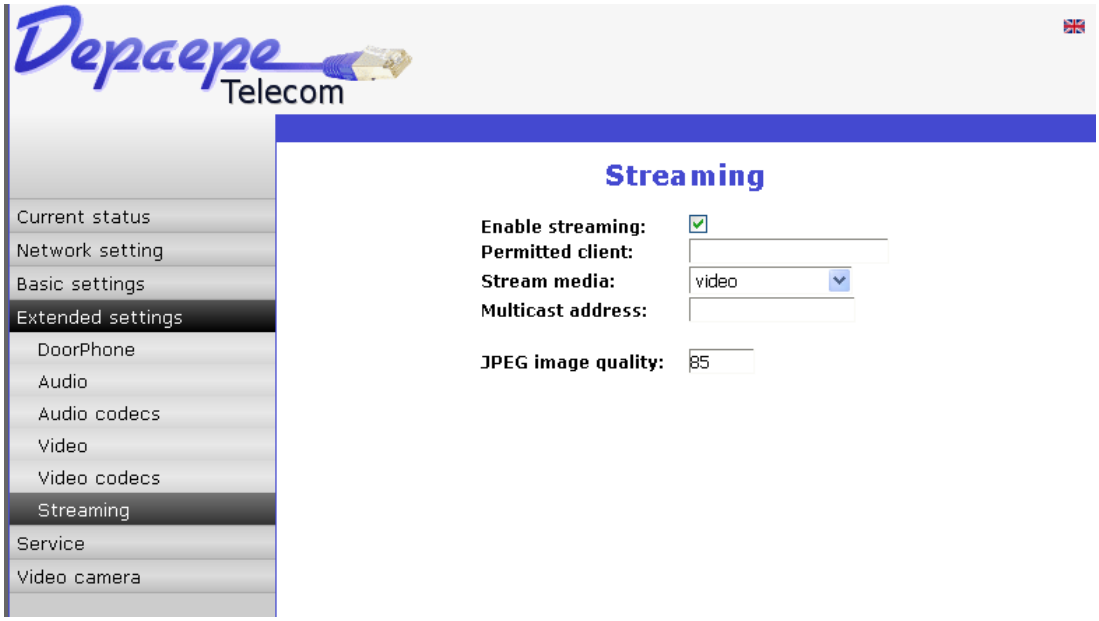
Priority from 1 to 2: select the video codecs priority.
Available codecs are: **H264, H263.**
For video compatibility with Yealink or Snom Voip videophones, mark the concerned box.

Click on **'Save'** button to save modifications.

6.6. Video streaming

The SecurAccess SIP PMR video streaming can be permanently watched.
You can enable the video (in H264) from the doorphone with the RTSP protocol on port 554.
To receive this video you need some regular stream video players: IP TVs, videophones (eg. Grandstream, MPlayer, VLC,…), or the dedicated Depaepe PC software…
This video is permanently running. It does not depend on call activity.

Via the 'Extended settings' page, select 'Streaming':



Enable Streaming: mark to provide the video.

Permitted client: enter authorized IP address for remote monitoring of the video. When this field is empty, anybody can watch the video.
Stream media: select what will be emitted by the RTSP server, video or audio or video+audio.
Multicast address: enter IP address that allows RTP packets sending to selected multicast address.
JPEG image quality: enter video coding quality, in %.

Click on **'Save'** button to save modifications.

7. Services

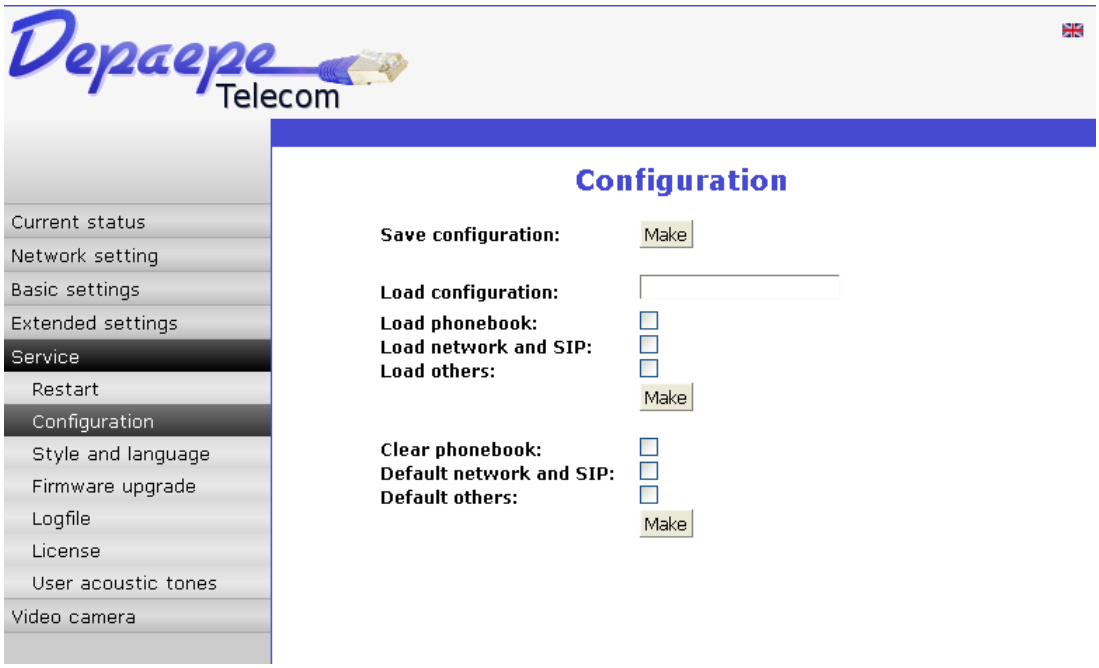
7.1. Reboot

Via the 'Service' page, select 'Restart':

Click on 'Restart' button to reboot the SecurAccess SIP PMR.

7.2. Save or restore configuration

Via the 'Service' page, select 'Configuration':



Save configuration: click on "Make" button to save the doorphone configuration in a file, named 'config.cfg' and located in 'Downloads' directory of your browser.

Load configuration: click on, a new page will open to select your configuration file, to restore a saved doorphone configuration.
Load phonebook: mark to include phonebook informations.
Load network and SIP: mark to include network and SIP settings.
Load others: mark to include other parameters.

Click on '**Make**' button to restore the desired configuration.

7.3. Reset to factory settings

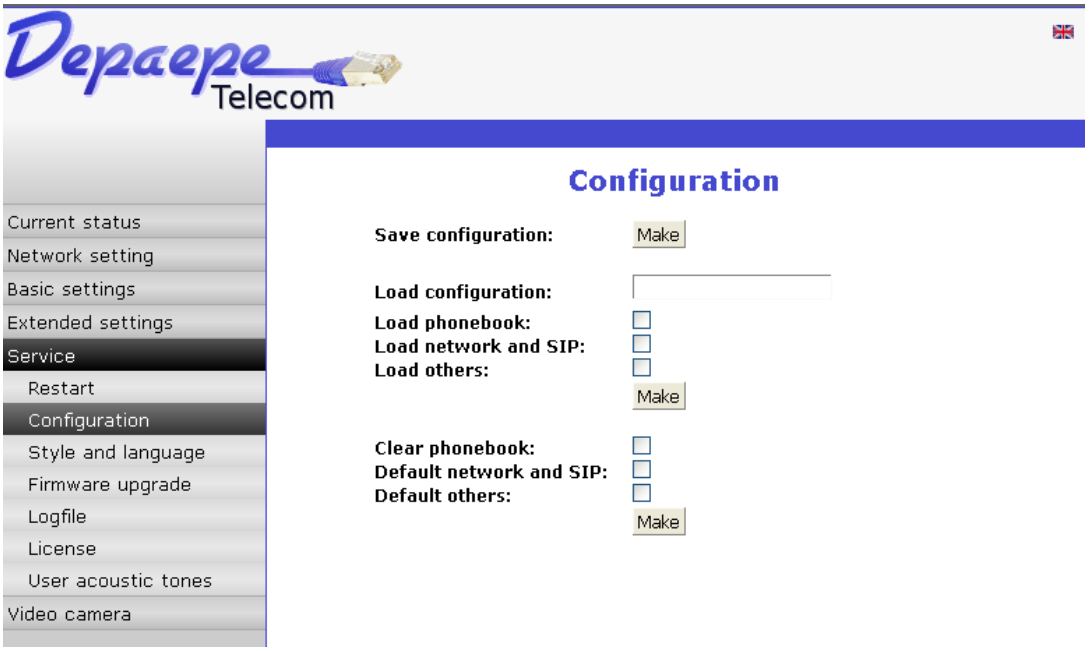
This operation will erase the SecurAccess SIP PMR doorphone's parameters.

Hardware reset (Network settings) :

You can reset the doorphone IP settings, and restore those by default, by switching from 'OFF' to 'ON' the switch 2 located on the PCB (see §4.1 p 19) and then reboot the doorphone (disconnect and reconnect the Ethernet cable PoE or the power supply).
The doorphone will be reachable with the IP address 192.168.1.250.
After reboot, switch from 'ON' to 'OFF' the switch 2.

Parameters reset via Web interface :

Via the 'Service' page, select 'Configuration', you can separately reset phonebooks, restore default network settings and other settings by marking the option you want to modify.



Clear phonebook: erase complete phonebook (all 999 possible forms).
Default network and SIP: default IP address 192.168.1.250 and erase SIP settings.
Default others: all remaining settings will return to factory settings.

Click on '**Make**' button to reset the unit.

7.4. Firmware update

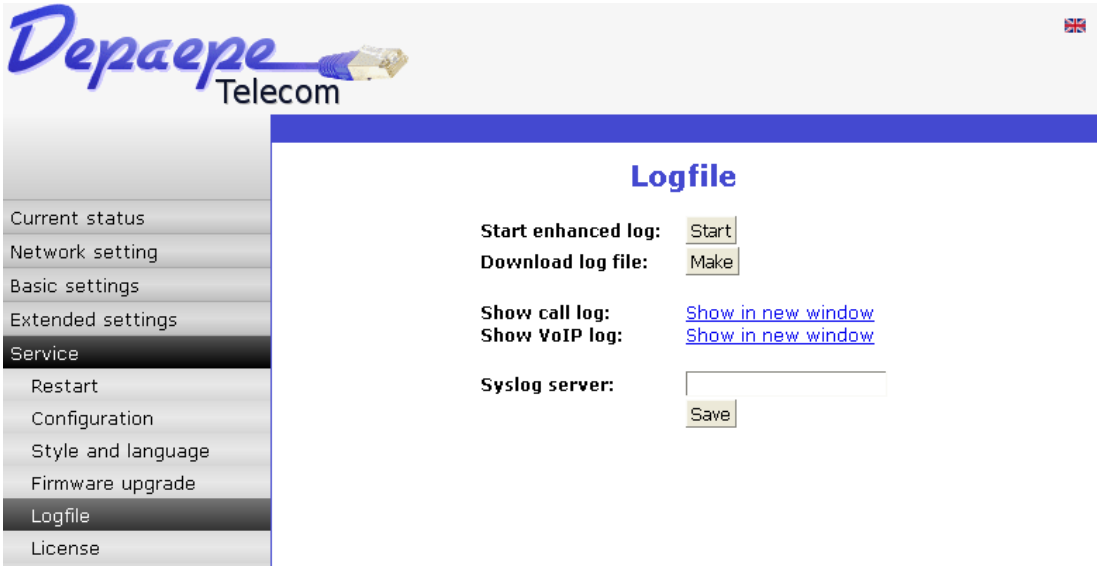
Via the 'Service' page, select 'Firmware upgrade':

Update Firmware: choose the firmware file , then click on 'Save' button to perform the update.

Click on **'Save'** button to start the upgrade.

7.5. Logfile

Via the 'Service' page, select 'Logfile':



Start enhanced log: click on 'Start' button to start logs, and click on it again to stop them.
Download log file: click on 'Make' button to download debug logs.

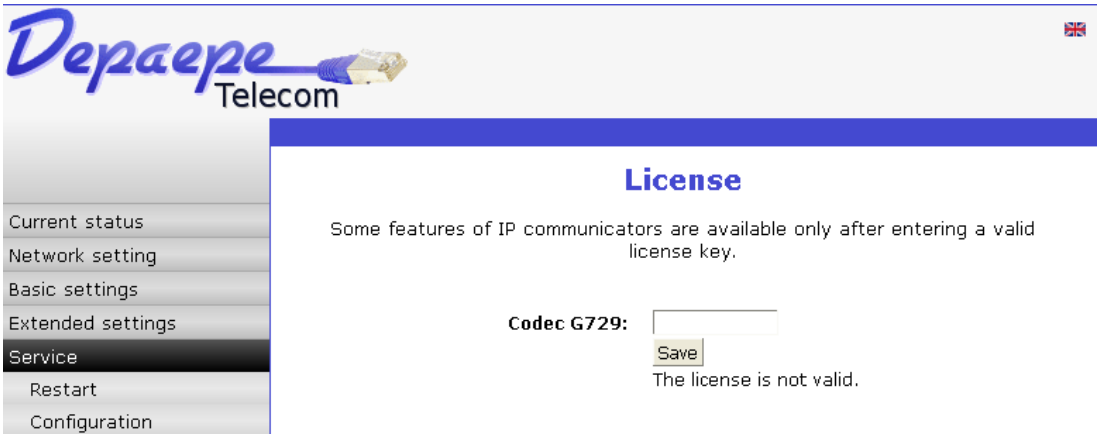
Show call log: displays in real-time all call logs.

Show VoIP log: displays in real time all VoIP logs.

Syslog server: enter server IP address.
Click on 'Save' button.

7.6. G729 license

Via the 'Service' page, select 'License':



CODEC G729 : enter your license key for G729 codec.
Click on 'Save' button.

8. Video pop-up for PC

The **'Depaepe Manager'** software is a freeware and allows to reach from a PC the SecurAccess SIP PMR video doorphone features to:
- make an audio and video call with the doorphone directly from a PC,
- remotely activate the 2 door latches in and out call,
- permanently watch, or only during call activity, the doorphone video.

8.1. Installation

Network : the SecurAccess SIP PMR doorphone and the host computer shall be connected to the same network.

- In P2P mode, the doorphone can be connected in standalone to your computer network.
- In SIP mode, your SIP telecom and computer networks have to be interconnected.

Software : download the **'Depaepe_Manager_3-6_setup.exe'** installer from **www.depaepe.com** Web site. This software is compatible with OS up to Windows 10.

Run this program to start the installation of:
- program files in the Depaepe Telecom directory,
- a shortcut on the desktop,
- a shortcut in the quick launch toolbar,
- an auto-run feature when the PC boots up.

Once the installation is complete, the software automatically runs.

8.2. Description

When the program is not configured, the video mask will display a black screen.
When the program and the doorphone are configured, the doorphone name and the video will be displayed.

Web interface:

 : click on, the setting menu will appear

 : to reduce the application window in the taskbar

 : to close the application

 : to call the doorphone

 : it shows the audio call status with the doorphone

 : click on to activate the image capture (see configuration here after)

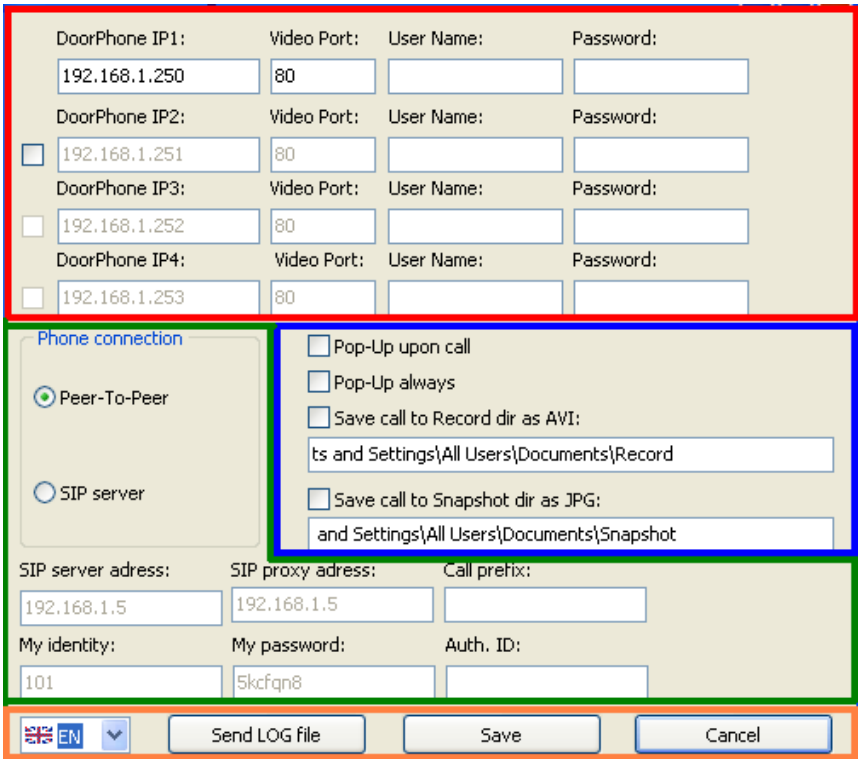
 : to activate the door latch relay n°1

 : to activate the door latch relay n°2

: application icon in the taskbar

8.3. Configuration

Web interface description :



DoorPhone IP 1 up to 4 : fill out fields to be connected to a doorphone. Up to 4 doorphones can be connected by marking the desired box and filling out settings.

Phone connection : select the doorphone connection mode, in P2P or SIP. For the SIP mode, enter additional connection settings.

Pop-Up upon call / Pop-Up always : mark to activate the doorphone video monitoring, permanently or only during call activity.
Record calls as AVI/JPG : mark to activate the calls and images record by depressing the  button. A directory path have to be filled out.

Languages : french or english.

Send LOG file : click on to send an e-mail with events logs (.txt format) of the software.

Save / Cancel : click on **'Save'** button to save settings.

Setting procedure :

In P2P mode, the doorphone must be registered in P2P. In software settings menu, you had to:

- enter the doorphone IP address, the user name (login) and the password. These are the same as to access the doorphone Web interface. By default, login : admin and password : 1234,

- mark the 'P2P' box in the Phone connection part,

- activate, if need be, by marking Pop-up upon call mode or Pop-up always,

- confirm settings by clicking on 'Save' button. The window is automatically reduced, double-clicking on its icon will display the video.

In SIP server mode, the doorphone must be registered in SIP. In software settings menu, you had to:

- enter the doorphone IP address, the user name (login) and the password. These are the same as to access the doorphone Web interface. By default, login : admin and password : 1234,

- mark the 'SIP server' box in the Phone connection part,

- fill out the software SIP account :

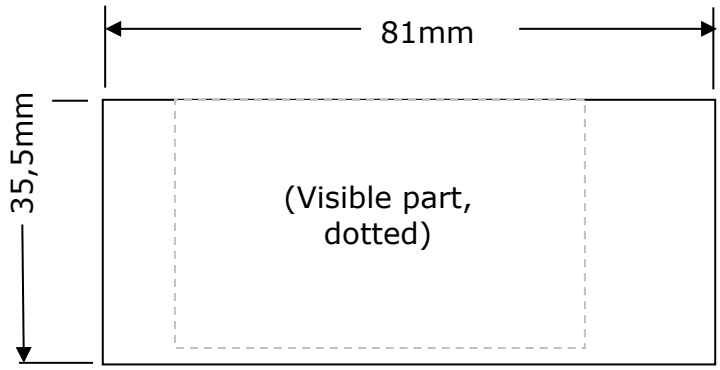
SIP server address:	eg : 192.168.1.200
SIP proxy address:	eg : 192.168.1.200
Call prefix:	eg :
My identity (user):	eg : 410
My password:	eg : ******
Auth. ID:	eg : 410

- activate, if need be, by marking Pop-up upon call mode or Pop-up always,

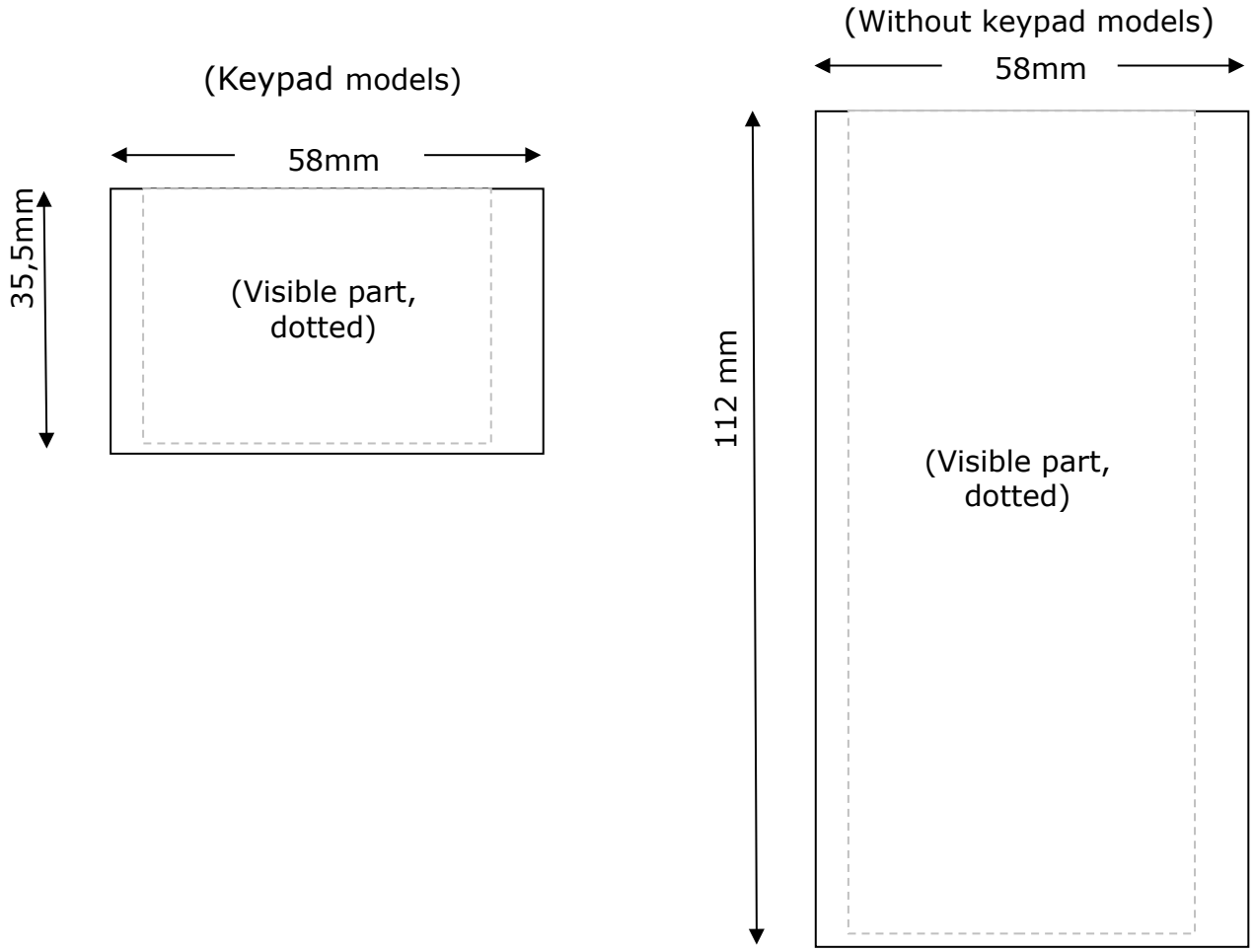
- confirm settings by clicking on 'Save' button. The window is automatically reduced, double-clicking on its icon will display the video.

Templates for front plate customization

COMPACT models without keypad



With or without keypad models



Specifications

Audio codec :	G.711, G.722, G.723, G.726, G.729, iLBC
Protection :	IP65 and IK09
Working temperature range :	-20°C up to +50°C (Celsius)
Door latch relay contact :	60VA / 2A max
External voltage supply :	12V DC 1000 mA
PoE :	IEEE 802.3af
Current consumption :	520mA with +12V external voltage supply

Declaration of conformity

Name :	**Depaepe**	Phone : +33 (0) 1 30 25 81 60
Address :	75-77 rue du Pré Brochet	Fax: +33 (0) 1 39 98 61 24
Locality :	SANNOIS	Postal code : 95110

Product identification :

- Family : Telecommunications Terminal Equipment
- Type : Telephone set
- Model : SecurAccess SIP PMR
- Other informations : Handsfree doorphone

We, Henri DEPAEPE S.A.S, hereby declares that this product is in conformity with the essential requirements and other relevant provisions of the R&TTE directive 1999/5/EC of the European Parliament and of the Council of 9 March 1999 on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity, as well as the harmonised standards :

3.1 a articles: (for health and safety of user)
……EN 60950
3.1 b articles : (for electro-magnetic compatibility)
……. EN 55022 et EN 55024.

Designed and manufactured in France

This product complies with:

European Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment. (RoHS).

European Directive 2002/96/EC on waste electrical and electronic equipment. (WEEE). This marking indicates this product should not be disposed of with other household wastes at the end of its working life to prevent possible harm to the environment or human health.
Please contact your supplier, your local government office or our commercial department to dispose of it in approved recycling center.

Warranty and after sales service

Make sure to use this product in accordance with all operations described in this user manual. Any misuse may be hazardous for this product or for your health.

For your security and to avoid damaging the product, we recommend that you read this user manual carefully.

In addition, never use this product during thunderstorms.

Note: Depaepe may void the warranty if no attention has been paid to these points..

Depaepe Telecom warrants that this product will be free from defects in workmanship and materials for a period of one year from the date of purchase.

The obligations of Depaepe Telecom, under this warranty shall be limited to the repair or replacement (at our option) during the warranty period, of any part that proves defective in material or workmanship under normal installation, use and service, provided the product is returned to Depaepe Telecom, freight prepaid. Replaced parts may be new parts or include new components. If the unit itself is replaced, it can be exchanged by a repaired second hand unit of the same look and finish (color).

Out of warranty policy

Depaepe Telecom does not warrant that the SecurAccess SIP PMR will perform perfectly with all the equipments available on the market. The warranty only applies if the product is installed and used as specified in this user manual and in particular with respect to the minimum and maximum electrical voltage and current specifications.

This warranty shall be invalid if the product is damaged as a result of misuse, abuse, neglect, accident, exposure to improper electrical voltages or current, repair, alteration or maintenance by any person other than the Depaepe Telecom service facility.

Depaepe will not warrant consequences due to “Acts of God” such as weather storms, floods, earthquakes, fires or firestorms or acts of war, riots, etc.

Warranty and repair service

Phone : +33 (0) 1 30 25 81 74.

Products purchased from an installer or from a distributor should be returned to them to be forwarded to us.

All products returns should be sent prepaid with a copy of our original delivery note or a copy of the original invoice for tracing purposes at the following address:

SAS HENRI DEPAEPE
75/77 Rue du Pré Brochet
BP 80107
95112 SANNOIS Cedex (France)

Repaired or exchanged units will be shipped back at our own cost. In all other cases a repair cost estimate will be issued and repairs will be completed once accepted.