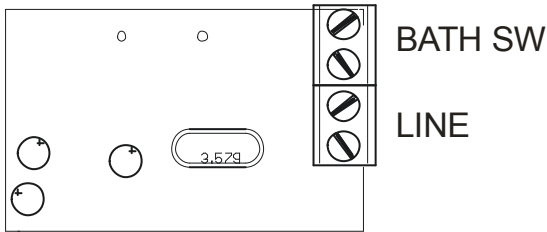


BABY LISTEN

DESCRIPTION.



OPERATION IDLE. (MODE 0)

In off-hook by the user, the systems wakes for 3 seconds, during this time the user is able to start issuing a command.

If the first dialled digit is not '#' then the systems sleeps and remains sleep until the next off-hook.

OPERATION WHEN ACTIVE. (MODES 1,2 and 3)

On OFF-HOOK by the user, it creates a number of high tone bips every 5 secs. The number of bips is equal to the operation mode, this reminds him what mode of operation is activated.

Normally, when the user comes in the room, he must command the unit to go in mode 0. See : followed USERS commands, in the end.

Sound activation

It calls outgoing (a programmable tel. number) for [Tout] (programmable) secs, when it becomes activated by a loud noise in the integrated microphone. The called party must off-hook his phone and press key '1' otherwise the call will be terminated in [Twait] seconds. If the call will not be answered and the noise is sustained it will try again a call after 15 seconds.

Then, if the operation mode is 2 or 3 , it allows the called party to hear what has happened (through the microphone) for [Tout] secs.

The called party can dial '1' to refresh the allowed hearing time or he can dial '9' to end the connection. If the called do on-hook without dialling '9' then the line will be busy for the rest of [Tout] time.

After a sound-trigger answered call the system will not trigger again by sound for 1 minute. This timeout is cleared on a off-hook of the parallel connected telephone set.

Incoming calls.

Modes 1 and 2:

Incoming calls are rejected (off-hook immediately before the ring of the parallel connected telephone set starts ringing and thereafter on-hook after 1 sec.) in order to avoid the ringing.

Mode 3:

In an incoming call the system goes immediately off-hook, and then waits for a maximum of 10 secs from the start of dialling for the caller to dial PIN UUUU in order to allow him to hear what is happened in the room.

The allowed hear time is [Tinc] secs the user can extend the time by dialling '1' or end the connection by dialling '9'.

SETUP

The device is programmed by issuing commands from the parallel connected telephone set.

Commands can be given in idle, active and triggered mode.

The command is started by two # and must be completed in 10 secs, if the command is correct a short high tone bip is heard from the phone, else a long low tone sound will be heard.

The format of all commands is **## XX PPPP DD... #** where:

These two hash shows to the system that a command is to be issued.

XX is the code of the command

PPPP is the Pin of the command, there are three pins. The user (UUUU), the technician (TTTT) and the supervisor (SSSS),

DD.. Are the data of the command, 1 to 16 digits.

This is the end of command hash

Technician commands.

##21SSSSDDDD#	Define new user PIN (UUUU) .
##22SSSSDDDD#	Define new technician PIN (TTTT).
##23SSSSDDDD#	Define new supervisor PIN (SSSS).
##31TTTTDDDDDDDDDDDDDDDD#	Define number to dial on sound alarm, up to 16 digits.
##32TTTTDDDDDDDDDDDDDDDD#	Define number to dial on bath alarm.
##35TTTTD#	Set Sound sensitivity.
##36TTTTD#	Set wait time [Twait] for listen verification, (dial of '1').
##37TTTTD#	Set outgoing listen time (Tout).
##38TTTTD#	Set incoming listen time (Tinc).
##88TTTT#	saves parameters.
##845654#	Reset to default parameters, this command can be issued only on the first hook up after the connection of the device.

The default Pins are: UUUU =1111.
TTTT=2222.
SSSS=3333.

Listen time Tout ,Tinc and wait time Twait is given in the following table. If Tout or Tinc is zero then the outgoing or incoming listening function is disabled.

D	[Tout],[Tinc],[Twait]
0	Disables listening
1	15 sec
2	30 sec
3	45 sec
4	60 sec
5	1.5 min
6	2 min
7	5 min
8	10 min
9	20 min

User commands.

##* Disables system (sets operation mode = 0 = IDLE).

##42UUUUD# Digit D takes values from 0 to 3 and defines the operation mode, where:

MODE	ACTION ON SOUND	ACTION ON INCOMING (RING)	SOUND ON HOOK UP
0	No action	No action	No action
1	Call, 4 sec delay, on-hook (2..3 rings on called party)	Reject incoming (off-hook, 4 sec delay, on-hook)	Single bip every 5 sec
2	Call and listen for [Tinc] secs	Reject incoming	Double bip every 5 sec
3	Call and listen for [Tinc] secs	Hook up and if the caller dials UUUU he can listen for Tout secs	Triple bip every 5 sec

DEFAULT COMMAND	COMMAND	DESCRIPTION	DEFAULT SETTINGS
Technician commands			
## 21 3333 DDDD #	## 21 SSSS DDDD #	Define new user PIN (UUUU).	1111
## 22 3333 DDDD #	## 22 SSSS DDDD #	Define new technician PIN (TTTT).	2222
## 23 3333 DDDD #	## 23 SSSS DDDD #	Define new supervisor PIN (SSSS).	3333
## 31 2222 DDD... #	## 31 TTTT DDD... #	Define number to dial on sound alarm.	111
## 32 2222 DDD... #	## 32 TTTT DDD... #	Define number to dial on bath alarm.	112
## 35 2222 D #	## 35 TTTT D #	Set Sound sensitivity.	7
## 36 2222 D #	## 36 TTTT D #	Set wait time (Twait).	3 (45sec)
## 37 2222 D #	## 37 TTTT D #	Set outcoming listen time (Tout).	3 (45sec)
## 38 2222 D #	## 38 TTTT D #	Set incoming listen time (Tinc).	3 (45sec)
## 88 2222 #	## 88 TTTT #	Saves parameters.	
## 84 5654 #		Reset to default parameters, This command can be issued only on the first hook up after the connection of the device.	
User commands			
##*#	##*#	Disables system (sets operation mode to 0)	
## 42 1111 D #	## 42 UUUU D #	Set operation (0 to 3)	3

83 5654 # = TEST MODE