



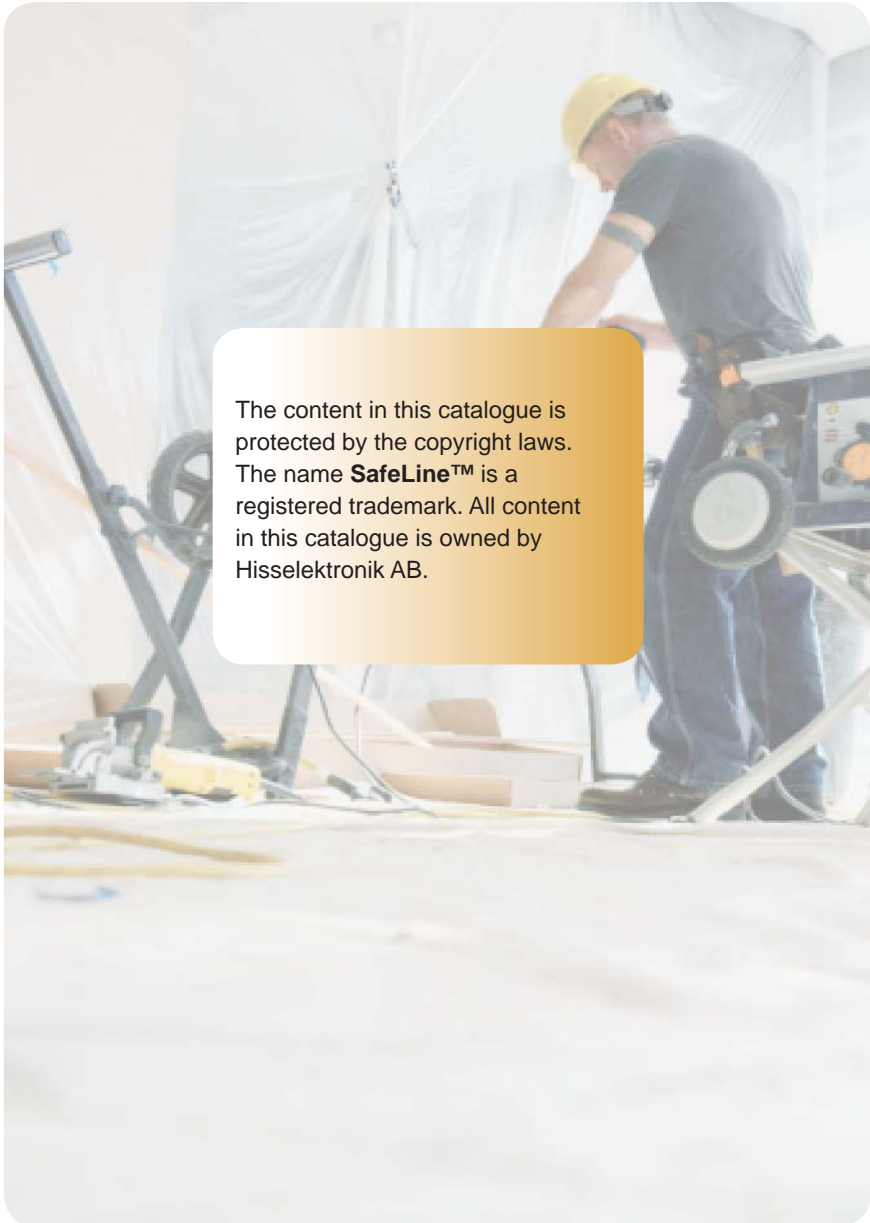
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SafeLine 1000 Manual

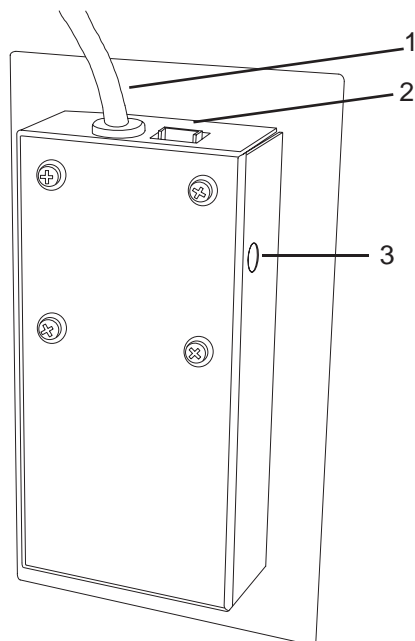


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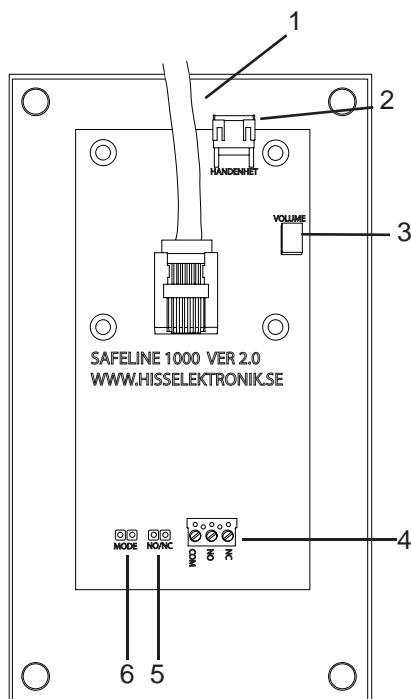
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1. Cable for connections.
2. Rs232 PC connection.
3. Volume settings.
4. Relay output connection.
5. Jumper for NO/NC button.
NO = without jumper.
NC = with jumper.
6. Jumper for lift/entry phone.



Assembly instructions

Complete telephone assembly in the elevator car requires a space of only 70X130mm for installation.

The alarm signal button can be changed between normally-open/normally-closed.

It is possible to use the existing alarm button.

The telephone is using P100 or CPC protocol for communication with the operator that receives the alarm.

P100 and CPC protocol is the most frequent alarm receiving system used in Scandinavia, and it is also used in our own alarm receiver equipment.

Check that the alarm-receiving operator has a receiver fitted for P100/CPC protocol voice call if you plan to use this protocol.

Hints:

When the alarm signal switch is activated the telephone will call up after 5 seconds of delay time. To do so, there must be a telephone number programmed and a telephone line connected.

When the telephone starts calling, the connection sound is clearly heard from the speaker.

Adjust the volume if needed with the volume control.

The first two telephone numbers (primary and secondary) are pre-programmed for P100. There must be an 8-digits alarm code programmed to make the P100 or CPC alarm work. The last two telephone numbers (third and forth) are programmed for vocal connection.

Vocal connection means a standard telephone call.

The receiving party does not have to do anything to get a vocal connection, it is automatically done.

To disconnect a vocal connection the receiving party should press “9” or “#” otherwise the line will be busy up to 90 seconds after the call is completed.

To call the lift telephone just call the connecting telephone number, the telephone will automatically answer after two signals.
Disconnect after the call is completed by pressing “9” or “#”.

To call the lift telephone if more than one phone is connected in series:
The telephones must be programmed with different unit numbers (see programming). When calling to the lift, the telephone will answer after 2 signals, chose the unit number that corresponds with the telephone you want to call.
Ex: You want to talk to unit number 3.
Call the telephone number, and when the telephone answers, press “3” repeatedly on your dialtone telephone or mobile telephone, until you hear 2 distinctive calling tones –witch indicates that the call is connected to the right telephone.

Disconnect after the call is completed by pressing “9” or “#”.

If it does not work, check:

Is there a connection?

Is there power?

- The diode lamp should be flashing.

Is there any telephone number programmed?

- Check with the hand unit.

Is there any alarm code programmed?

- Check with the hand unit.

Is it calling the right number?

- Check by calling on a regular phone.

Has the alarm-receiving operator the right equipment?

- Check with the operator.

SafeLine™ 1000 Programming

To program the telephone, a programming unit HT99-H is needed.
It is also possible to program the telephone by using a dial tone telephone, or with our Window-based PC software Safeline Pro (can be down loaded at no cost from our web-site www.safeline.se).

Programming with Safeline Hand Unit HT99-H

It is possible to register all alarm codes and telephone numbers long before programming the telephone. The hand unit is battery powered and saves all codes and numbers in the memory, even if the power is turned off or the battery is changed.

Step by step...	The display shows:	Explanation:	Next to do:	Tip:
Turn on the power	Handunit for Safeline 1000/2000 ----- Version 1.15	After about 3 seconds the next text will show.		
Step 2:	— ALARM CODE 1 = #=NEXT D=HELP	Type the 8-digits P100/ CPC alarm-code given to you by your alarm- receiving operator. This is the "Primary code" This code is to be used for lift alarm.	Press "#" to go to next text	
Step 3:	— ALARM CODE 2 = #=NEXT D=HELP	Write the second 8-digits P100/CPC alarm-code given to you by your alarm-receiving operator. This is the "Secondary code" This code is to be used for battery alarm.	Press "#" to go to next text	If you anytime between all steps press "C" you will continue directly to Step 15.
Step 4:	— TEL.NUMBER 1 = #=NEXT D=HELP	Write the 1:st telephone number you want to call in case of emergency alarm.	Press "#" to go to next text	Phone numbers can be 16 digits long. " * " means 1 second pause. That can be useful when calling through a switchboard. Press B to change alarmcode Tel.nr1 normally P100- numbers



Step by step...	The display shows:	Explanation:	Next to do:	Tip:
Step 5:	TEL.NUMBER 2 = #NEXT D=HELP	Write the 2:nd telephone number you want to call in case of emergency alarm.	Press "#" to go to next text	Telephone number 2 are normally P100-numbers. To change Alarm type press "B".
Step 6:	TEL.NUMBER 3 = #NEXT D=HELP	Write the 3:rd telephone number you want to call in case of emergency alarm.	Press "#" to go to next text	Telephone number 3 and 4 are normally voice connection. To change Alarm type press "B".
Step 7:	TEL.NUMBER 4 = #NEXT D=HELP	Write the 4:th telephone number you want to call in case of emergency alarm.	Press "#" to go to next text	Telephone number 3 and 4 are normally voice connection. To change Alarm type press "B".
Step 8:	TEL.CODE TO MINICALL #NEXT D=HELP	Write the code that is to be sent to a beeper.	Press "#" to go to next text	This code will show on the beeper's display.
Step 9:	TEST ALARM/ STATUS TEL. NUMBER. #NEXT D=HELP	Write the telephone number that will receive test alarm and status report.	Press "#" to go to next text	If no telephone number is given, there will be no test alarm sent.
Step 10:	DAYS BETWEEN TEST ALARM #NEXT D=HELP	Write number of days between test alarms. It could be 1-99 days	Press "#" to go to next text	If the value is set to "0" no test alarm will be sent.
Step 10B:	CALLTONES BEFORE ANSWER #NEXT D=HELP	Write number of calltones before telephone answers 00-16 is accepted by telephone, 2 digits must always be written.	Press "#" to go to next text	If it is set to "00" The telephone will never answer.
Step 11:	SUPERV. ALARM TEL. NUMBER. #NEXT D=HELP	Write the telephone number that will receive the supervision alarm (only for Safeline 2000)	Press "#" to go to next text	Breakdown alarm can only be sent if there is a special Breakdown alarm card mounted in the unit *
Step 12:	BATTERY ALARM TEL. NUMBER. #NEXT D=HELP	Write the telephone number that will receive the battery alarm. The battery condition is check once per week. It is done by discharging the battery and measures the battery voltage. (only for Safeline 2000)	Press "#" to go to next text	The battery alarm sends the secondary alarm-code as identifier.
Step 13:	SET/CHANGE PASSWORD #NEXT D=HELP	Write the password to be used when programming/ configuring from an external telephone or with our PC-software *	Press "#" to go to next text	A maximum of 9 telephones can be coupled on the same line with "cascade connections"
Step 14:	SET/CHANGE UNIT ADDRESS #NEXT D=HELP	Write the address to the telephone in question, if you connect more than one telephone on the same line.	Press "#" to go to next text	9 telephones can be coupled on the same line with "cascade connections" with full functionality, if skipping unit address up to 25 units in series can be coupled.

Step 15:	SEND ALL CHANGES TO SAFELINE ? A=YES B=NO	Press "A" to send all changes to the telephone. Press "B" to save everything in the hand unit.		The cable must be connected to the telephone when the changes are sent.
Step 16:	<-----> FINISHED ! POWER OFF AND DISCONNECT CABLE	Turn off the power and disconnect the cable		After about 8 seconds the text will start from Step 1

Example on how to simplify the programming:

At repetition programming only the alarm-codes need to be changed.
If battery alarm is not used, only alarm-code 1 is needed.

Step by step...	The display shows:	Explanation:	Next to do:	Tip:
Turn on the power	Handunit for Safeline 1000/2000 ----- Version 1.15	After about 3 seconds the next text will show.		
Step 2:	– ALARM CODE 1 = #=NEXT D=HELP	Write the 8-digits P100/ CPC alarm-code given to you by your alarm- receiving operator. This is the "Primary code". This code to be used for lift alarm.	Press "#" to go to next text	
Step 3:	– ALARM CODE 2 = #=NEXT D=HELP	Write the second 8-digits P100/CPC alarm-code given to you by your alarm-receiving operator. This is the "Secondary code". This code to be used for battery alarm.	Press "C" to finish the programming.	The cable need to be connected only when the changes are sent.
Step 15:	SEND ALL CHANGES TO SAFELINE ? A=YES B=NO	Press "A" to send all changes to the telephone.		The cable need to be connected only when the changes are sent.
Step 16:	<-----> FINISHED ! POWER OFF AND DISCONNECT CABLE	Turn off the power and disconnect the cable.		After about 8 seconds the text will start from Step1.

To set the internal memory to zero

Step by step...	The display shows:	Explanation:	Next to do:	Tip:
Turn on the power	Handunit for Safeline 1000/2000 ----- Version 1.15	Press "D" within 3 seconds.		
The display will automatically show	Initialising	The internal memory is set to zero.	This will automatically take you to Step 2.	

To read all codes and telephone number from an existing telephone:

Step by step...	The display shows:	Explanation:	Next to do:	Tip:
Turn on the power	Handunit for Safeline 1000/2000 ----- Version 1.15	Press "C" within 3 seconds.		The cable has to be connected to read the telephone.
The display will automatically show	***** Reading from Safeline *****	All codes and telephone number are read from the telephone.	This will automatically take you to Step 2.	Now you can go through and check/change all codes and telephone numbers.

To change alarm types: Follow the programming to Step 4

Step by step...	The display shows:	Explanation:	Next to do:	Tip:
Step 4:	TEL.NUMBER 1 = #=NEXT D=HELP	Press "B" to change alarm type. P100 -- to call alarm receiver operator. VOICE -- to call a standard telephone. MINICALL -- to call to leave a code to a beeper.	Press "#" to go to next text	
Step 5-7:		Repeat all as above.	Press "#" to go to next text	Press "#" to read out active alarm type, press "#" again to change alarm type. To save press "#".

Programming from a dial tone telephone:

It is possible to program the telephone by calling to it.

By using different dial tone commands it is possible to program all codes and telephone numbers to the telephone.

This is how to do it:

If only one telephone is connected to the line:

1. Call the lift telephone. It will answer with 3 tones after 2 signals (this is standard but can be changed to 0-16 signals).

If more then one telephone are connected to the line:

1. Call the alarm telephone. After 2 signals the telephone will answer (always 2 signals when more than one connected lift telephone).
To get to e.g. telephone number 3, press "3" repeatedly until 3 distinctly signals are heard and the connection is made.
2. Dial "00", the lift telephone will answer with "OK" (2 short signals) or "Wrong" (1 long signal).
3. Dial the password - * XXXX # where XXXX stands for the password. The default password is "0000".
The lift telephone answers with "OK" (2 short signals) or "Wrong" (1 long signal).
4. Change codes and/or telephone numbers according to the below table.
There is a time span of 5 seconds between the digits, after that time there will be a "Wrong" signal and the registration has to start all over again.
After 30 seconds without activity the lift telephone will disconnect the call.
5. After a successful registering the code/telephone number will be saved.
If there is a "Wrong" signal or if the call is disconnected, all successful registering are saved.
6. Always discontinue the call: *00*#



	CODE	DATA	NOTE
Alarm codes			
P100 ID code	*01*	- - - - - #	P100 always 8 digits
CPC ID code	*02*	- - - - - #	CPC 6-8 digits
Q23 ID code	*03*	- - - - - #	Q23 always 12 digits
Phone number:			
1st Phone no.:	*11*	- - - - - #	Phone no. To alarm receiver 0-16 digits.
2nd Phone no.:	*12*	- - - - - #	Phone no. To alarm receiver 0-16 digits.
3rd Phone no.:	*13*	- - - - - #	Phone no. To alarm receiver 0-16 digits.
4th Phone no.:	*14*	- - - - - #	Phone no. To alarm receiver 0-16 digits.
Alarm type:			
Alarm type 1st no.:	*21*	- #	Change alarm type 1-4 th number: 0=P100, 1=VOICE, 2=Q23, 3=CPC
Alarm type 2nd no.:	*22*	- #	
Alarm type 3rd no.:	*23*	- #	
Alarm type 4th no.:	*24*	- #	
Alarm type LMS no.:	*30*	- #	LMS alarm type only CPC/P100
Test alarm/battery alarm:			
LMS Phone no.:	*16*	- - - - - #	LMS phone number. To alarm receiver / SLCC
Test alarm	*17*	- - - - - #	Phone number. To test alarm receiver / SLCC
Days between tests	*27*	- - # 00-99 days.	Days between tests.
Test alarm protocol.	*31*	- #	Protocol test alarm 0 = P100 (SLCC), 3 = CPC
Alarm character:			
Alarm character 1 st no.:	*41*	- - #	Alarm character. Only when CPC is used as alarm protocol normally 10 or 27. Check with your alarm central!
Alarm character 2 nd no.:	*42*	- - #	
Alarm character 3 rd no.:	*43*	- - #	
Alarm character 4 th no.:	*44*	- - #	
Alarm character LMS	*45*	- - #	LMS (Battery alarm) Normally 17 Test alarm= Normally 26
Alarm character Test alarm	*46*	- - #	
Number of ring signals.	*72*	- - #	Ring signals before re-dial. (02-50)
Hot Line	*75*	- #	0 = Standard phone line (standard) 1 = Hot line
Automatic answering	*81*	- - #	Set to 00-16 00=Don't answer. (standard = 02)
Unit number.	*82*	- #	0 (standard) - 9
Dial tone detect	*83*	- #	0=Off 1=On (standard) Set to 0 if SafeLine is having problems detecting the dial tone.
Receipt to SLCC	*84*	- #	0 = Off (don't send receipt), 1 = On (send receipt)
Break on new alarm	*86*	- #	0 = Off 1 = On (standard)
Password	*91*	- - - - #	Change password (standard=0000)
Simulate an alarm event	*94*	- #	Simulates an alarm event. Note! LMS no. *16* must be programmed. 1 = Emergency alarm. 2 = Test alarm. 5 = Receipt on voice call.
Restore to default:	*99*	1 #	Restores unit to factory default.
End programming:			
End programming.	*00#	*00#	End programming.



Example on common alarm telephone settings

To register a P100/CPC code	11335588
Primary number to custodian (voice call)	046-443322
Secondary number to alarm-receiving operator	031-223344

If only one telephone is connected to the line:

1. Call the alarm telephone. It will answer after 3 distinctive tones after 2 ring signals (can be changed to 0-16 signals).

If more than one telephone is connected to the line:

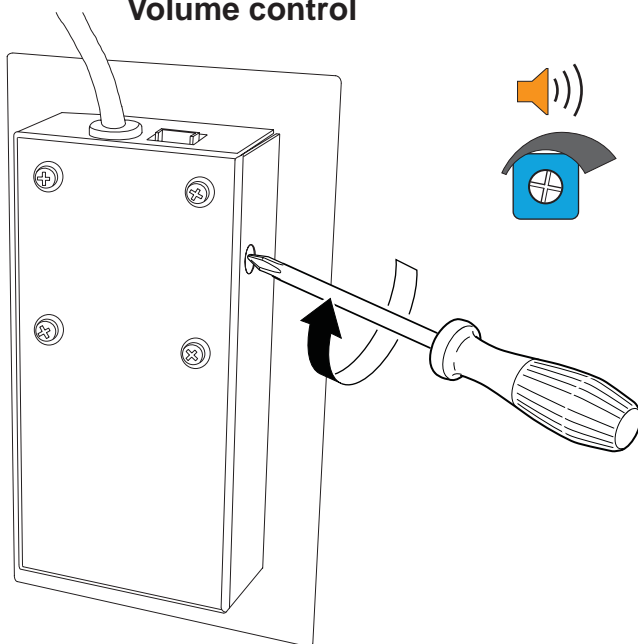
1. Call the lift telephone. After 2 signals the telephone will answer (always 2 signals when more than one alarm telephone is connected). To get to i.e. telephone number 3, press "3" repeatedly until 3 distinctly signals are heard and the connection is made.
2. Dial "00", the lift telephone will answer with "OK" (2 short signals) or "Wrong" (1 long signal).
3. Dial the password - * XXXX # where X stands for the password. The default password is "0000".
The lift telephone answers with "OK" (2 short signals) or "Wrong" (1 long signal).
4. Dial *01*11335588# to register the P-100 code. The lift telephone answers with "OK".
5. Dial *11*046443322# to register the Primary number. The lift telephone answers with "OK".
6. Dial *12*031223344# to register the Secondary number. The lift telephone answers with "OK".
7. Dial *21*1# to change the alarm type on the primary number to "Voice". The lift telephone answers with "OK".
8. Dial *00*# to discontinue programming. The lift telephone answers with "OK".

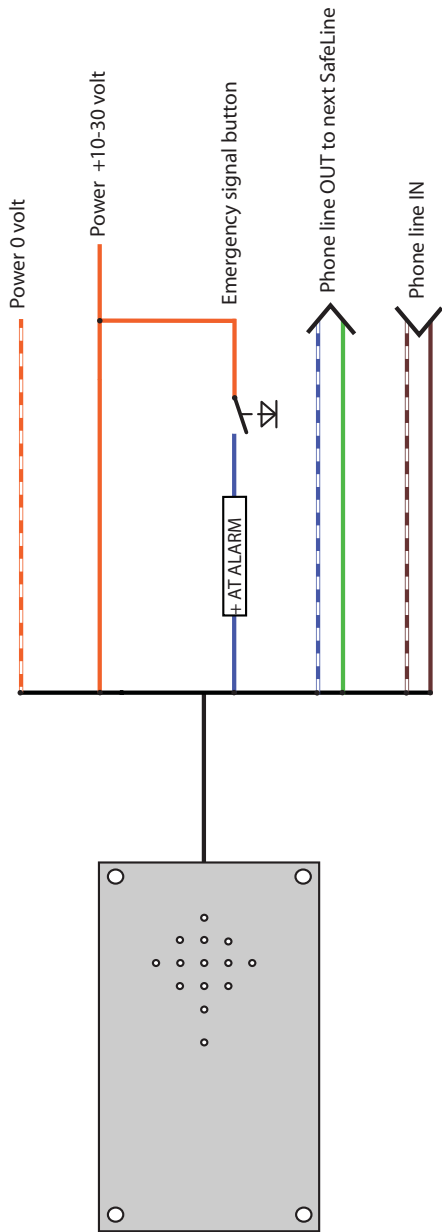


Programming with SafeLine Pro

You can also program SafeLine™ 1000 with our free PC-software. The program is free and can be downloaded from our web site www.safeline.se/.

Volume control







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