



WORKING IN PARTNERSHIP WITH

SafeLine 

SafeLine MX3+ 

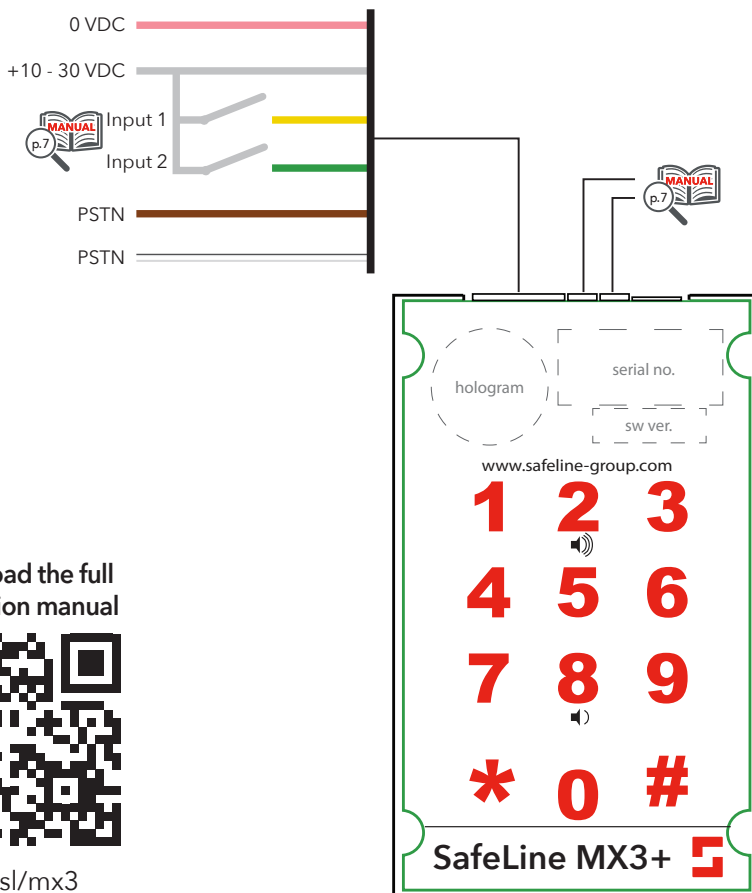


Unit 2, Victoria Industrial Park Victoria Road, Dartford, DA1 5AJ

Company Registration: 10612544
VAT Registration: 265450207



MX3+ quick guide



Download the full
installation manual



link.sl/mx3

Fig 1

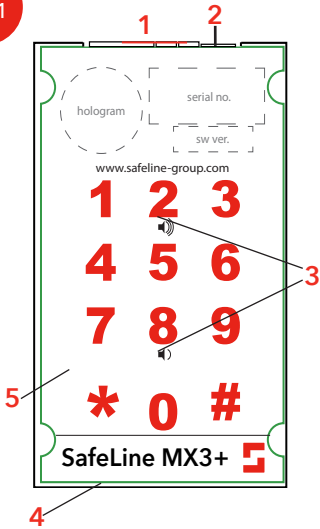


Fig 2

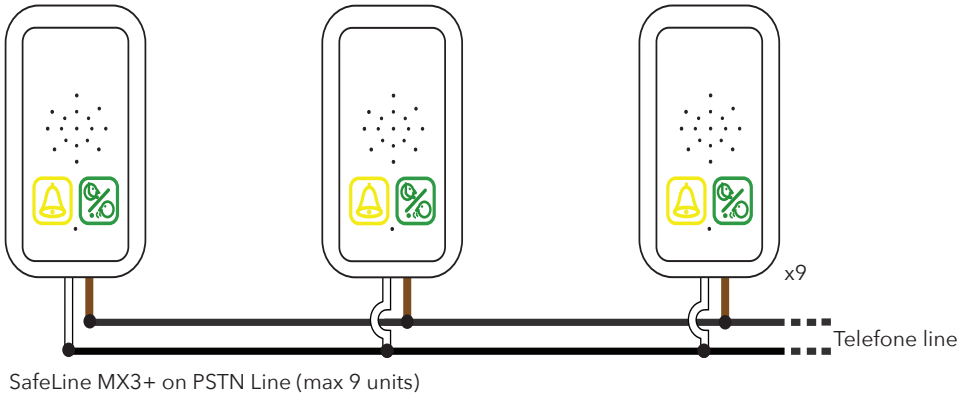


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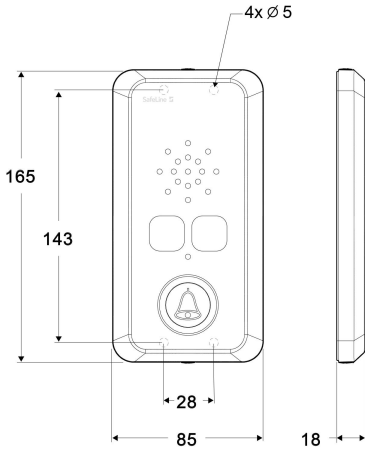
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ENGLISH



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For full installation and configuration instructions, please download the installation guide.

General information

This unit was built with state-of-the-art technology and to generally recognised safety related technical standards currently applicable. These installation instructions are to be followed by all people working with the unit, in both installation and maintenance.

It is extremely important that these installation instructions are made available at all times to the relevant technicians, engineers or servicing and maintenance personnel. The basis prerequisite for safe handling and trouble free operation of this system is a sound knowledge of the basic and special safety regulations concerning conveyor technology, and elevators in particular. The unit may only be used for its intended purpose. Note in particular that, no unauthorised changes or additions may be made inside the unit or individual components.

Exclusion of liability

The manufacturer is not liable with respect to the buyer of this product or to third parties for damage, loss, costs or work incurred as a result of accidents, misuse of the product, incorrect installation or illegal changes, repairs or additions. Claims under warranty are likewise excluded in such cases. The technical data is the latest available. The manufacturer accepts no liability arising from printing errors, mistakes or changes.

Declaration of conformity

Download "The declaration of conformity" at our website: www.safeline-group.com

Safety Precautions!

- Only trained professionals, who are authorised to work on the equipment, should install and configure this product.
- This quality product is dedicated for the lift industry. It has been designed and manufactured to be used for its specified purpose only. If it is to be used for any other purpose, SafeLine must be contacted in advance.
- It should not be modified or altered in any way, and should only be installed and configured strictly following the procedures described in this manual.
- All applicable health and safety requirements and equipment standards should be considered and strictly adhered to when installing and configuring this product.
- After installation and configuration this product and the operation of the equipment should be fully tested to ensure correct operation before the equipment is returned to normal use.

Electrical and electronic products may contain materials, parts and units that can be dangerous for the environment and human health. Please inform yourself about the local rules and disposal collection system for electrical and electronic products. The correct disposal of your old product will help to prevent negative consequences for the environment and human health.

Technical data

Power:	10 - 30 VDC
Consumption:	In standby: 50 mA at 12 VDC Operation: 160 mA at 12 VDC
Input:	10 to 30 VDC, 5 mA optically isolated
Output:	2x 12 to 24 VDC, max 200 mA (transistor negative)
Weight:	Surface mounted with button: 575 g
Size (H x W x D):	Surface mounted with button: 155 x 90 x 31 mm
IP class:	IP 43
Bluetooth:	Bluetooth 4.0 BLE 2,4 GHz
Operation temperature:	+5°- 40°
Air humidity:	30%-90% R
Audio files:	Format WAVE-8 or 16kHz, 16 bit mono, max 16 sec/file

Overview (Fig 1)

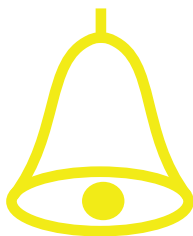
- 1. Connections**
- 2. RS232 PC connection**
Firmware update and configuration with SafeLine Pro.
- 3. Volume control**
To increase volume, press Button "2"; to decrease volume, press Button "8". It is also possible to adjust the volume in the SafeLine CONNECT app (available on both Google Play and Apple App Store).
- 4. Output for additional voice station/hearing loop**
When connecting an additional remote station Cable14 is required.
- 5. Keyboard**

Parallel wiring (Fig 2)

SafeLine MX3+ on PSTN Line (max 9 units)

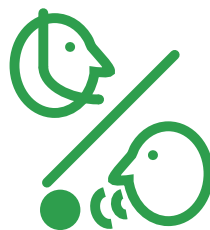
In order to access the unit remotely, it needs to be assigned a unit number. Please refer to the Parameter list (*82*) for more information.

LED indication for pictogram in car



Yellow LED

Call in progress
The yellow pictogram LED is lit as soon as the alarm button is pressed.



Green LED

Call connected
The green pictogram LED turns on as soon as the SafeLine unit detects a responding voice. The LED is turned off when the call is terminated.

Extended (*78*0#)

Light off

Yellow LED

No alarm activated

Green LED

Telephone line *not* OK.

Flashing slowly

Flashing once every 5 seconds
Telephone line *not* OK.

Flashing once every 5 seconds
Unit is OK.

Flashing quickly

Flashing twice every second
Alarm button active.

Flashing two times every 5 seconds
Alarm filter activated.

Continuous light

Activated alarm. Remains lit until reset.

Call connected.

Strictly EN81-28 (*78*1#)

Flashing

Flashing twice every second
Alarm button active.

Green LED

Call connected.

Continuous light

Activated alarm. Remains lit until reset.

Test alarm failure

Light on for 1 second then light off for 1 second

Yellow LED

Test alarm (line check) failed
Returns to normal at next valid test alarm.

Green LED

Test alarm (line check) failed
Returns to normal at next valid test alarm.

Configuration example

If at any time you need to start over, use the factory reset command *99*1#.

Please refer to the full configuration setup in the "Parameter list" as these are merely examples.



Storing of two different telephone numbers, one to be answered by P100 code and the other one with voice.

1. Start configuration:

00

2. P100 ID code:

***01*12345678#**

3. 1st phone number:

***11*12345678#**

4. 2nd phone number:

***12*23456789#**

5. Call type 1st number:

***21*0#**

- Example: Answered with P100 code.

6. Call type 2st number:

***22*1#**

- Example: Answered as voice call.

7. Alarm button delay:

***87*03#**

- Example: 3 seconds delay.

8. End configuration:

***00*#**

Most used parameter list

- for full list see installation manual



Configuration	Code	Data	Comments
Enter configuration mode		00	
Enter password	*	----#	Default = 0000
Exit configuration mode	*	00*#	

Alarm	Code	Data	Comments
P100 ID code	*01*	-----#	P100 is always 8 digits
CPC ID code	*02*	-----#	CPC 6-8 digits
Q23 ID code	*03*	-----#	Q23 is always 12 digits

Telephone numbers	Code	Data	Comments
1st Phone number	*11*	-----#	Phone number to alarm receiver: 1-20 digits. Each asterisk (*) is equal to one second delay. Example #1: *11*0**1234567# Example #2: *11*# deletes the phone number.
2nd Phone number	*12*	-----#	
3rd Phone number	*13*	-----#	
4th Phone number	*14*	-----#	

Call type	Code	Data	Comments
Call type 1st number	*21*	- #	0 = P100 1 = VOICE (default)
Call type 2nd number	*22*	- #	2 = Q23
Call type 3rd number	*23*	- #	3 = CPC
Call type 4th number	*24*	- #	
Call type LMS number	*30*	- #	0 = P100 3 = CPC (Only battery alarm)

Test alarm/battery alarm	Code	Data	Comments
LMS phone number	*16*	-----#	LMS (Lift Monitoring System) phone number to alarm receiver or SLCC.
Test alarm	*17*	-----#	Phone number to test alarm receiver or SLCC.
Days between tests	*27*	--#	Number of days between test alarms, 00-99 days. Always two digits.
Test alarm protocol	*31*	- #	0 = P100 3 = CPC 4 = Caller ID

Alarm Type	Code	Data	Comments
Alarm type 1st number	*41*	--#	Only when using CPC as alarm protocol Normally 10 or 27.
Alarm type 2nd number	*42*	--#	
Alarm type 3rd number	*43*	--#	
Alarm type 4th number	*44*	--#	
Alarm type LMS	*45*	--#	Normally 17
Alarm type Test alarm	*46*	--#	Normally 26
Distress message	Code	Data	Comments
Record distress message played in the lift car	*51*	"Speak" #	This message will be played in the lift car when the emergency lift telephone starts calling the alarm centre. Make sure that there is no noise in the background when recording the message. Example of message: Please do not panic, the emergency telephone is now calling the emergency call centre.
Record alarm message from Lift Car to alarm central	*52*	"Speak" #	This message will be played to the alarm receiver and in the car when the call is answered. Make sure that there is no noise in the background when recording the message. Example of message: This is an alarm from the lift on 5th avenue. To hear the quality of the message, press "1". To terminate the call press "#".
Options for the recorded distress message	*61* *61*	- # #	To play the recorded message, press the desired parameter followed by #.
Options for the recorded message from Lift Car	*62* *62*	- # #	0 = Disable recorded message. 1 = Enables recorded message.

Other codes	Code	Data	Comments
Emergency signal in speaker	*71*	- #	The speaker siren will sound at emergency call. 0 = Off (default) 1 = On
Additional input function (serial no. < 27000)	*73*	- #	Selects input function: 0 = None (Default) 1 = Filter, blocks the alarm input when active. 2 = LMS (Lift Monitoring System), sends a lift monitoring alarm at input activation. 3 = Clear/Maintenance 4 = Call Delay
Additional input function (serial no. > 27000)	*73*	x y #	X= Input 1 or 2 Y= Function: 0 = None (Default) 1 = Filter, blocks the alarm input when active. 2 = LMS (Lift Monitoring System), sends a lift monitoring alarm at input activation. 3 = Clear/Maintenance 4 = Call Delay 5 = Battery Low 6 = Alarm Button Example: 22 = input 2 with LMS
Additional input type (serial no. < 27000)	*74*	- #	0 = Normally-open contact, N/O (Default) 1 = Normally-closed contact, N/C
Additional input type (serial no. > 27000)	*74*	x y #	X= Input 1 or 2 Y= Type: 0 = Normally-open contact, N/O (Default) 1 = Normally-closed contact, N/C Example: 21 = input 2 with N/C
Indicator mode	*78*	- #	0 = Standard (default) 1 = Strictly EN81-28 2 = Strictly single EN81-28
Unit number	*82*	- #	Unit number [0] is set by default, and means that the unit will respond immediately. Unit number [1-9] is used when the units are sharing the same phone line. When the unit number is assigned, the specified unit is accessible for configuration.
Alarm button delay time	*87*	- - #	Delay time from pressing the alarm button until activating the alarm. 00-25 seconds. Default = 05
Alarm button type	*89*	- #	0 = Normally-open contact, N/O (Default) 1 = Normally-closed contact, N/C
Change password	*91*	- - - #	Change password (default=0000).

EU Declaration of Conformity

Product: Lift telephone
 Type / model: **SafeLine MX3**
 Article no: *SLMX3-COP, *SLMX3-COP2, *SLMX3-LENS90, *SLMX3-REC-PIC, *SLMX3-REC-PICB, *SLMX3-SM-PIC, *SLMX3-SM-PICB, *SLMX3-SMD-PICB, *RU-SLMX30005
 Manufacturer: SafeLine Sweden AB
 Year: 2020

We herewith declare under our sole responsibility as manufacturer that the products referred to above complies with the following EC Directives:

Directives

Radio Equipment (RED):	2014/53/EU
RoHS 2:	2011/65/EU

Standards applied

EN 81-20:2014	Lift: Safety & Technical requirements
EN 81-28:2003	Lift: Remote alarm on passenger and goods passenger lifts
EN 81-70:2003/A1:2004	Lift: Accessibility to lifts for persons including persons with disability
EN 12015:2014	EMC: Emission, Electromagnetic compatibility
EN 12016:2013	EMC/Lifts: Immunity, Electromagnetic compatibility
EN 62368-1:2014/AC:2015	LVD: Information Technology Equipment
EN 50581:2012	RoHS: Technical doc. for assessment of restriction of RoHS.
TBR21/CTR11	PSTN Terminal equipment

For RED 2014/53/EU, the conformity assessment procedure "Module A" used as described in Annex II. Accordingly, respective manufacturer has done the radio modules conformity assessment:

Standards applied	Article of Directive 2014/53/EU
EN 60950-1:2006+A11:2009+A1:2010+A12:2011	3.1 (a): Health and safety of the user
EN 62311:2008	
EN 301 489-1 V2.1.1 + EN 301 489-52v1.1.0 Draft	3.1 (B): Electromagnetic Compatibility

Module	Notified body	Address	NB nr	Test nr
CYW207325	NTS Silicon Valley	41039 Boyce Road, Fremont, CA 94538, US	0214, 26	R 104750/51

EN 301 489-17 V3.1.1	
EN 300 328 V2.1.1	3.2: Effective use of spectrum allocated

Firmware used during assessment

SafeLine MX3:	1.00
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Tyresö, 2020-02-05



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