

Addendum of the user manual: Fire brigade solution

The fire brigade solution according to EN81-72 from the Leitronic AG can be used by new installations or by back fitting. The System combines the fire brigade communication according to EN81-72 and the normal emergency call according to EN81-28 and EN81-70.

Additional to the components from the Leitronic an analogue land line connection, a screened two or four wire cable (to the fire brigade location, to the cabin and to the machine room) and the supply is required.

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1 Operation/Display

Fire brigade

1

2

- 1** Activation of the fire brigade mode with the key switch at the fire brigade location.
- 2** Handsfree-communication between cabin and fire brigade location

Machine room with Talk-button

3

Signal FWS active/wired

Button not pressed
Standby: Listening

Button pressed.
Microphone activated/Speak

Cabin

2

Device	Talk-button	Mode	Display
Machine room Floors	released	Listening	
	pressed	Speak	
Cabin Fire brigade	-	Hands-free	

- An emergency call in the cabin has higher priority than fire brigade mode.
- The volume can be adjusted on the LMK70x.
- For Hands free EasyAlarm/Exicall versions from 52 on.

2 Required components

2.1 In the cabin (Hands-free)

Only one of the devices is necessary in the cabin.

2.1.1 Including emergency call functionality

The ringing-signal during dial-in must NOT be forwarded to the remote communication units.

EasyAlarm/Exicall: set register 24 to value 2

*971324## <Announcement of current value> *2#

a) Version EasyAlarm SW-version: >=52



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EA-8-DPXM
Article-No: 101.0260

EA-LMK70-WG
118.0161

Set Article-No: EA8 DPXM LMK70-WG

b) Version Exicall EN70MR SW-version: >=52



Exicall EN70MR
Article-No: 121.5104 (vertical) or 121.5105 (horizontal)

c) Version MINI-V-MR SW-version: >=10



Article-No: 100.0926

2.1.2 Without emergency call functionality

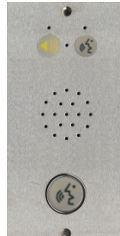
d) Version MINI-KAB (without emergency call function, no line-wires required)

Intercom plain



Article-No: 118.0201

Accessory: Panel



Article-No: 100.0213
EA-TAB-PC-EN72
100 x 200 x 3 mm

Internal LED with light-pipes to front panel
or external symbols  

Mode adjustable with switch
Auto: Handsfree (EN81-72:2015)
PTT: Push-to-talk

2.2 Machine room (Push-to-talk)

Intercom plain



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or

Intercom mounted in protectiv housing
incl. Talk-Button



Article-No: 118.0202E

Internal LED with light-pipes to front panel

Talk-Button

not included

Article-No: 118.0212E

110 x 180 x 64 mm

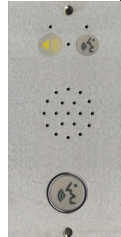
or external symbols

2.3 Fire-brigade entry (Hands-free)

Intercom plain



Accessory: Panel



Article-No: 118.0204ET

Internal LED with light-pipes to front panel

Article-No: 100.0213

EA-TAB-PC-EN72

100 x 200 x 3 mm



Keys switch
not included

or external symbols

2.4 additional floors (max. 5) (Push-to-talk)

Intercom plain



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Talk-Button

not included

Article-No: 118.0204ET

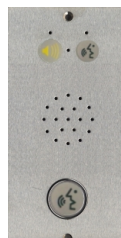
Internal LED with light-pipes to front panel

or external symbols

Intercom mounted in protectiv housing
incl. Talk-Button



Accessory: Panel



Article-No: 118.0214ET

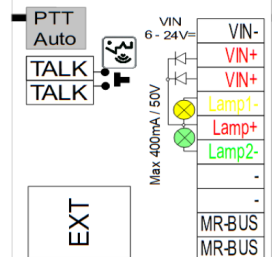
110 x 180 x 64 mm

Article-No: 100.0213

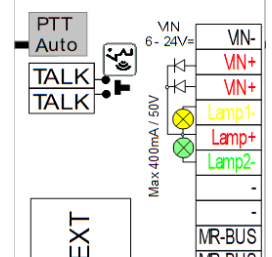
EA-TAB-PC-EN72

100 x 200 x 3 mm

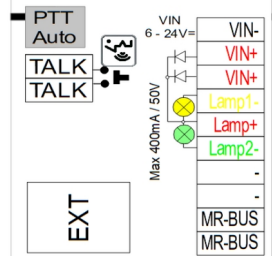
EA-LMK72E-WG
Artikel-Nr: 118.0202E



EA-LMK72ET-WG
Artikel-Nr: 118.0204ET

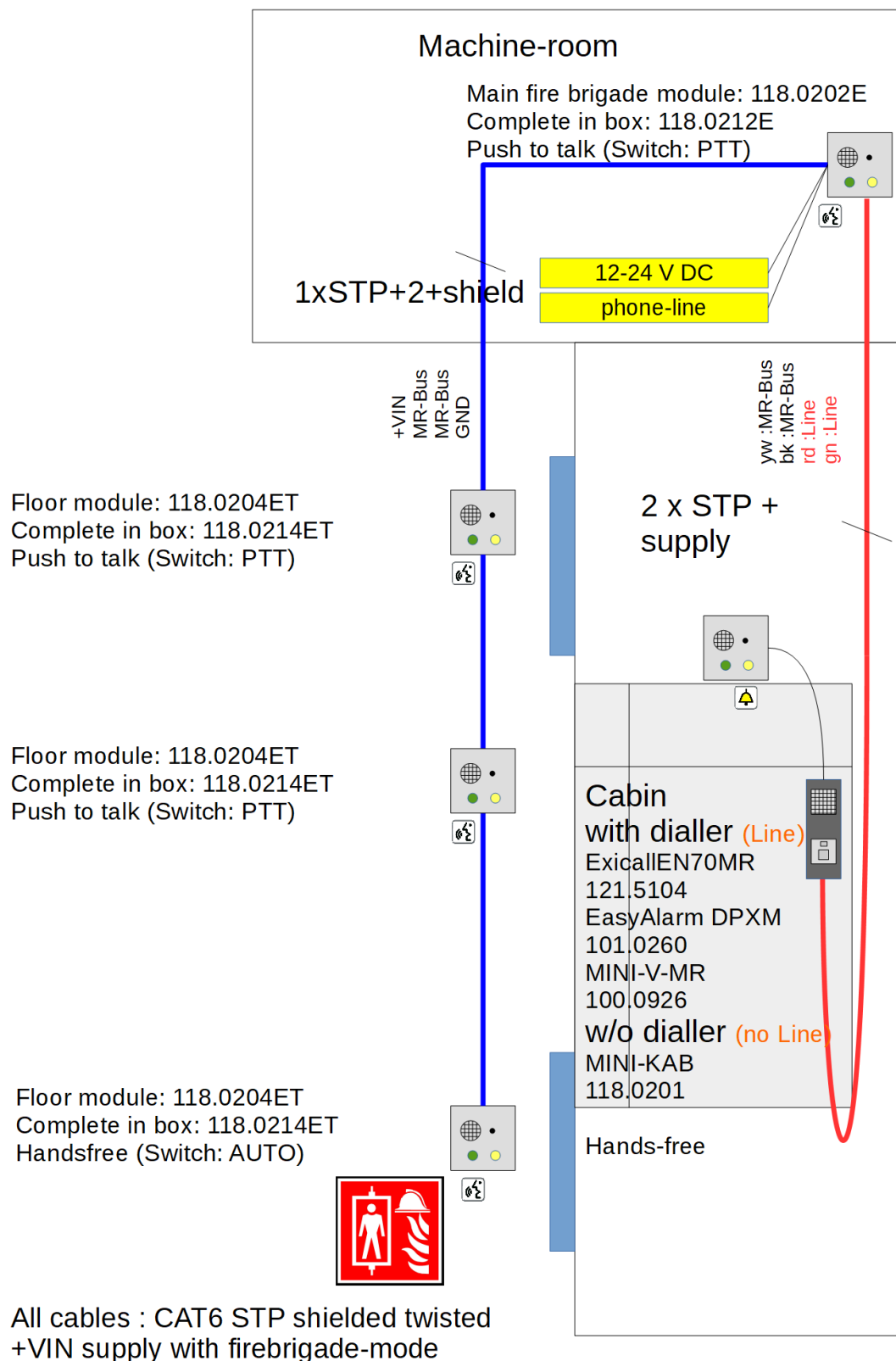


EA-LMK72ET-WG
Artikel-Nr: 118.0204ET



3 Installation

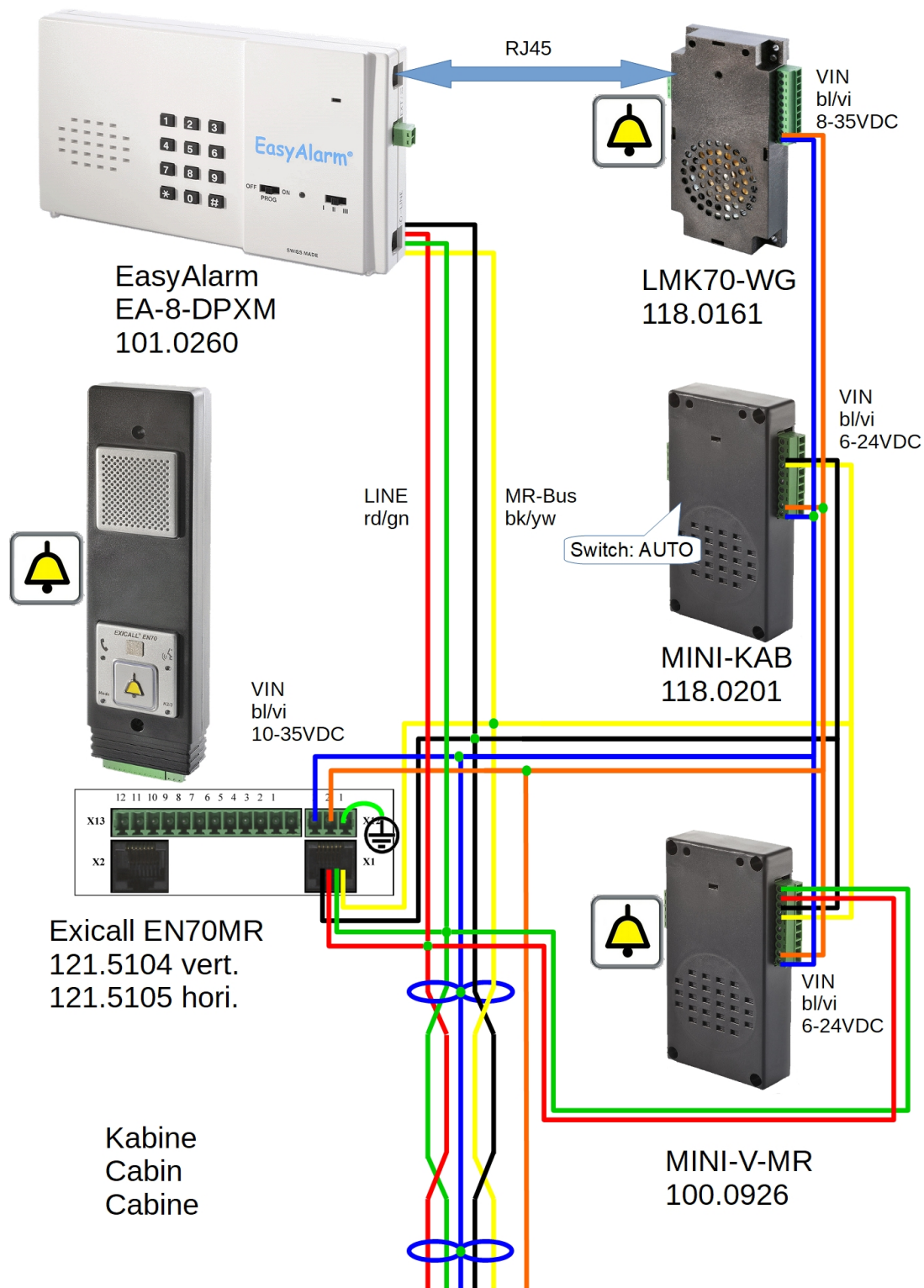
3.1 Overview



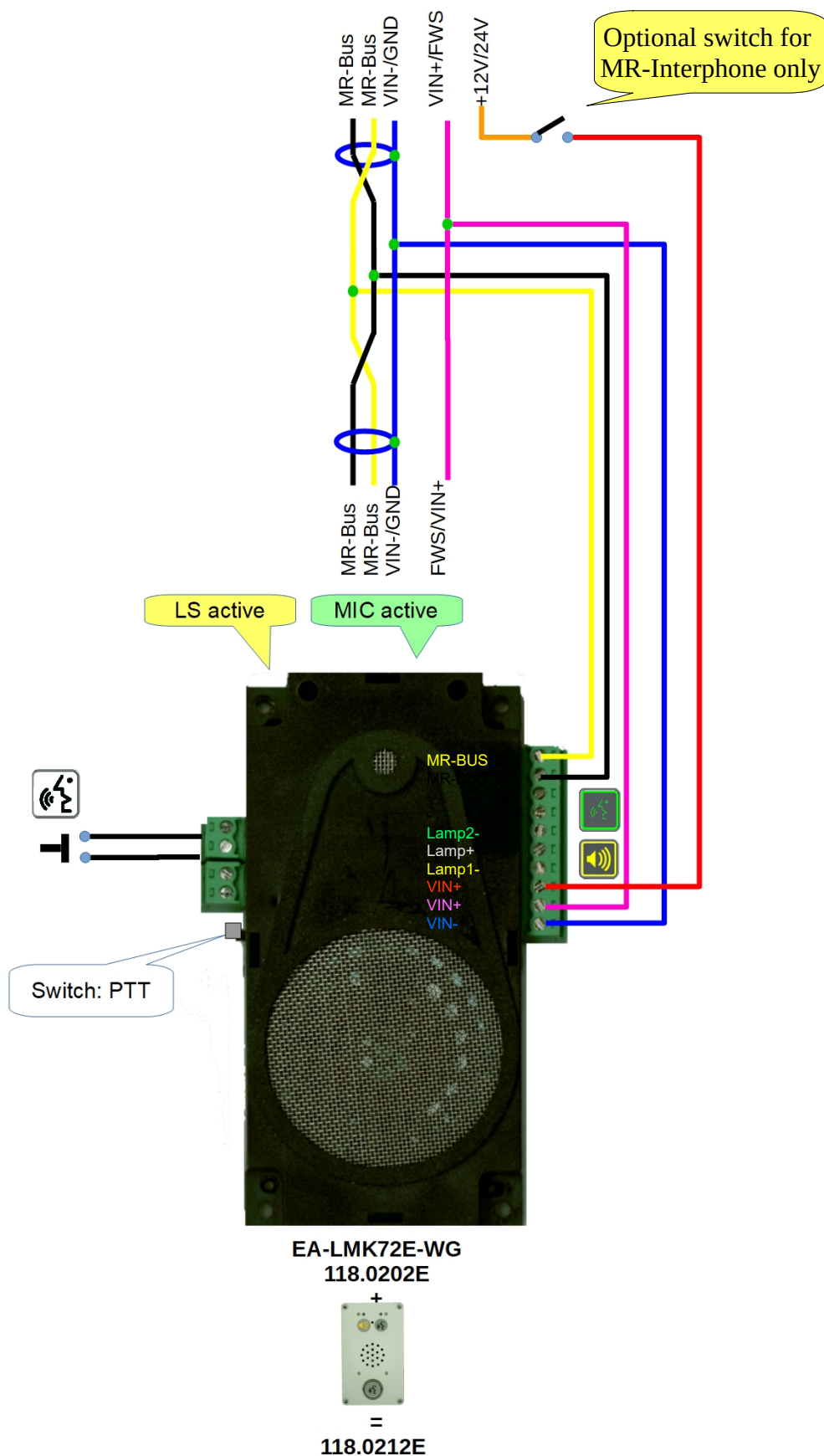
3.2 Cabin (Hands-free)

Wire the MR-BUS to PIN 2/5 (yellow/black) of the LINE socket of the dialler.

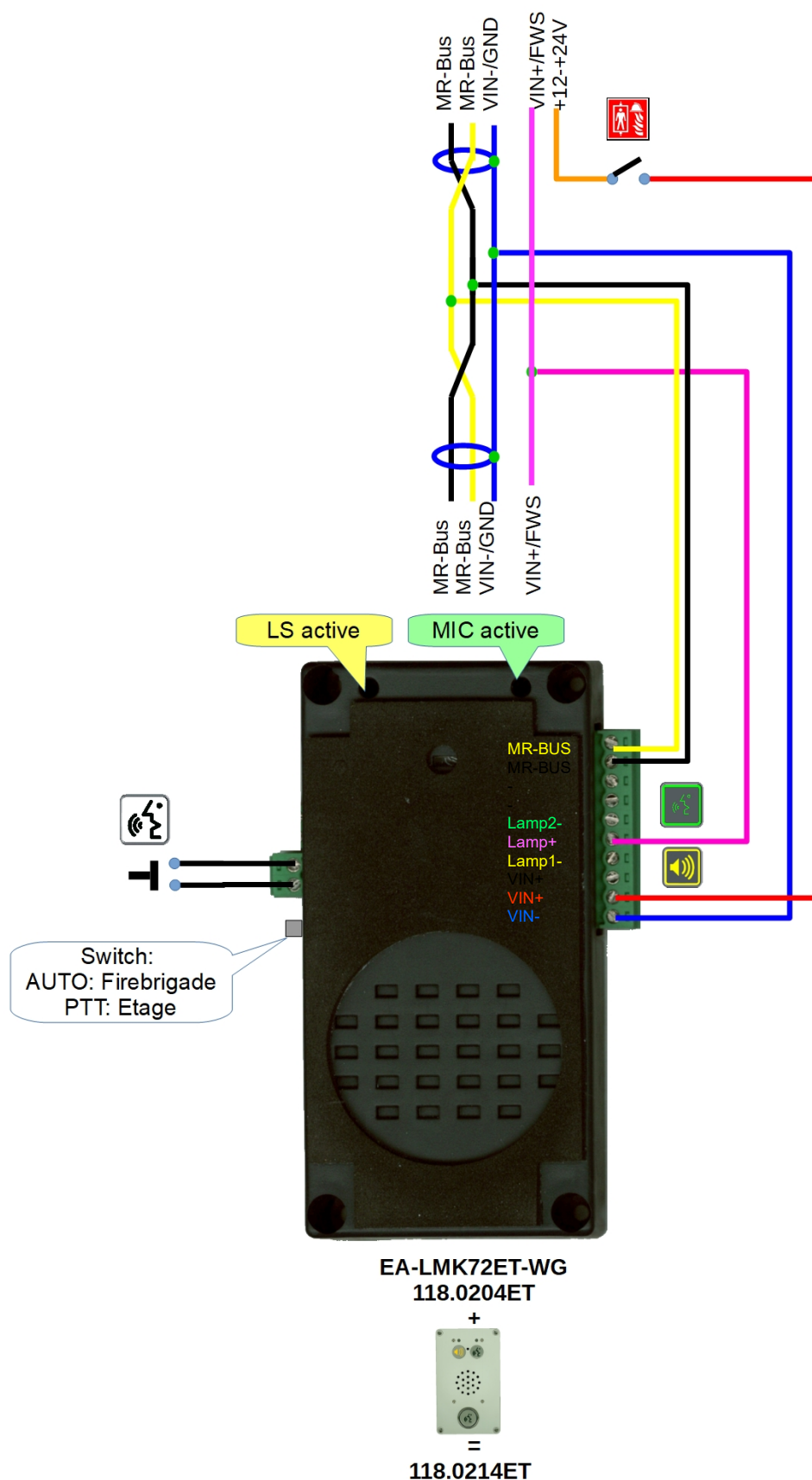
Only one of the devices is necessary for the cabin: EasyAlarm or Exicall or Mini-Kab or MiniV-MR



3.3 Machine room (Push-to-talk)



3.4 Fire-brigade entry (Hands-free) / additional floors (Push-to-talk)



4 Remote communication units (built-in version)

Article-No: 118.0202E EA-LMK72E-WG
 Article-No: 118.0204ET EA-LMK72ET-WG

4.1 Specification

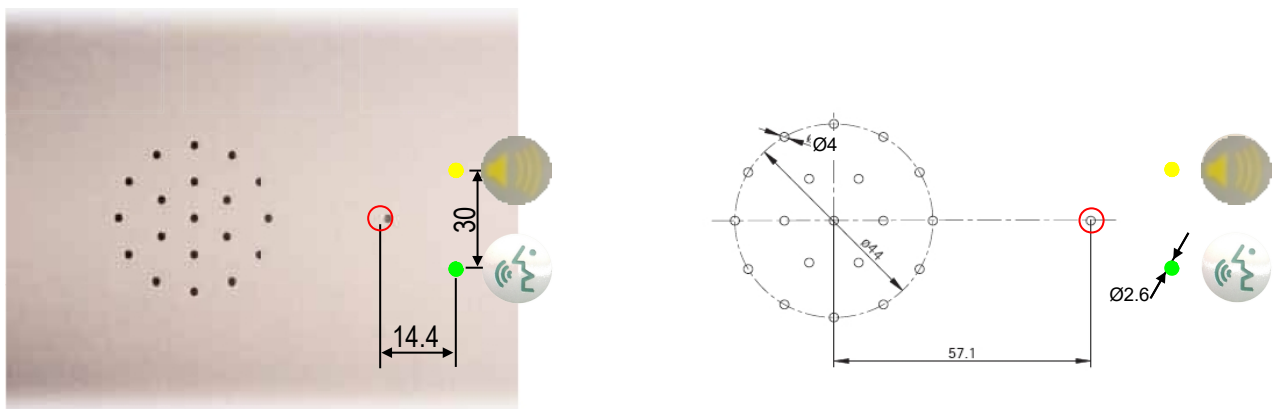
Housing: ABS with seal ring and front grille
 Dimension: L = 122 mm
 W = 56 mm without plug / 74mm incl. Plugs
 H = 22 mm

Be aware, that there is NO water protective foil between panel and the LMK-housing. Otherwise it will affect communication quality!

4.2 Drilling hole proposal (Schäfer GmbH)

The built-in LED LMK7x LEDs and two light pipes (Art. No: 25 145 PGN) will lead light to the front: hole diameter $\varnothing = 2.6-0.05\text{mm}$

Order code: "G9924wg LMK72-LED" with holes for light pipes and EN81-72 engraving



or "G9924wg LMK70" with external symbols: i.e. Type RA42-WG (Schäfer) or similar.

4.3 Connectors

Description	Specification	Function
VIN(-)	6 .. 24 VDC	Supply voltage = fire brigade mode
VIN(+) coupled over diodes to Lamp(+)	Standby: 0.5W Max: 2W	
Lamp(+)		for Lamp1 and Lamp2
Lamp1(-)	Open Collector- output (- will be switched) max. 400 mA/output	Yellow lamp (Listen)
Lamp2(-)		Green lamp (Talk)
MR-BUS	Twisted pair shielded	MR bus cable on G -potential

Description	Specification	Function
TALK	Potential free normally open or closed contact	Talk button in noisy environment, activates walkie-talkie mode, when first time pressed

5 Remote communication units installed in protective housing

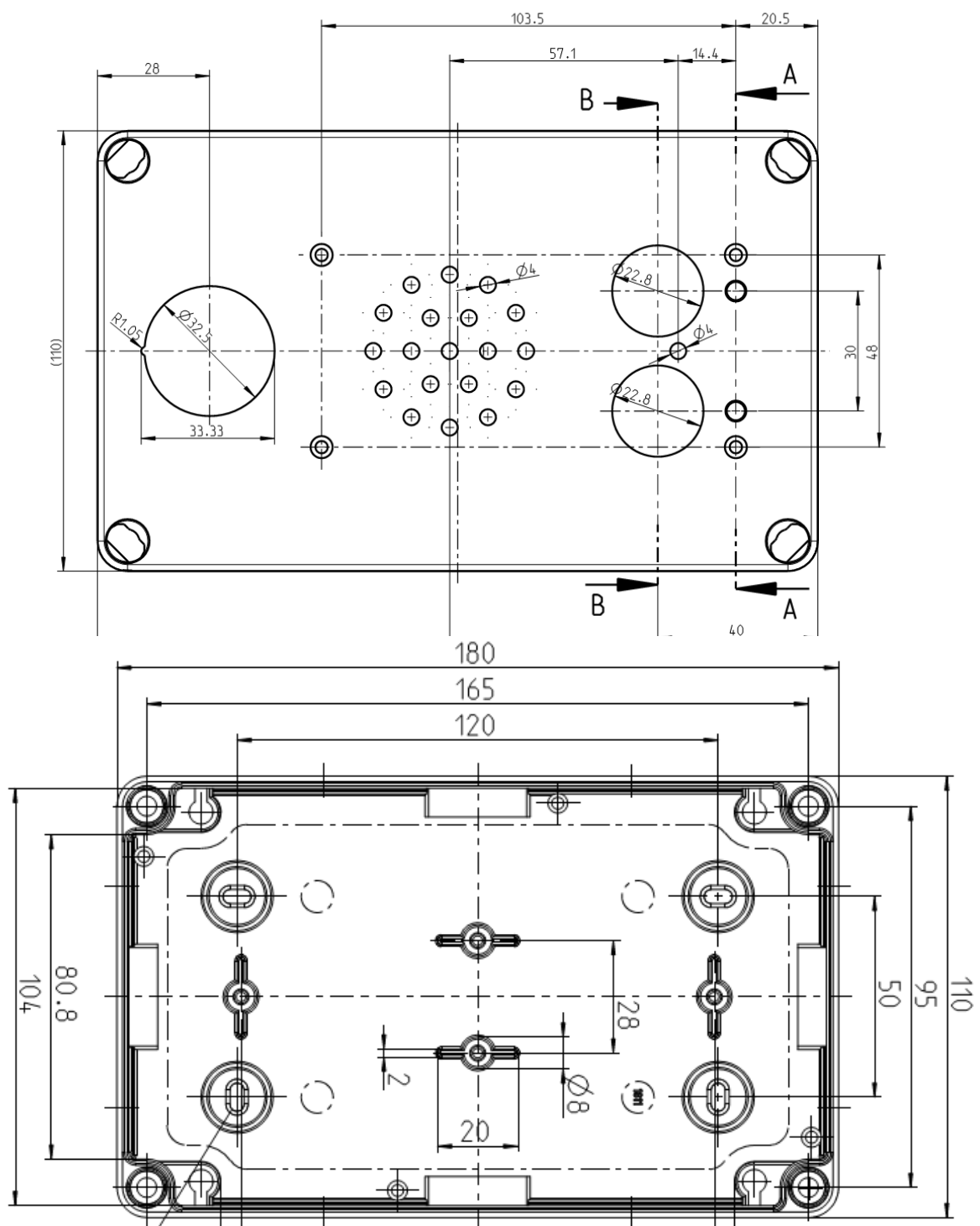
Article-No: 118.0212E 118.0202E mounted in housing 100.0740
Article-No: 118.0214ET 118.0204ET mounted in housing 100.0740

5.1 Specification

Housing: ABS
Dimension: 110 x 180 x 64 mm (L x W x H) housing without feed through

Water resistant hole pattern for LMK72E-WG

Talk button: RT-42 2M Sonder Leitronic WG / Symbol Speak / Fremdartikelnr: 10011 (12V)

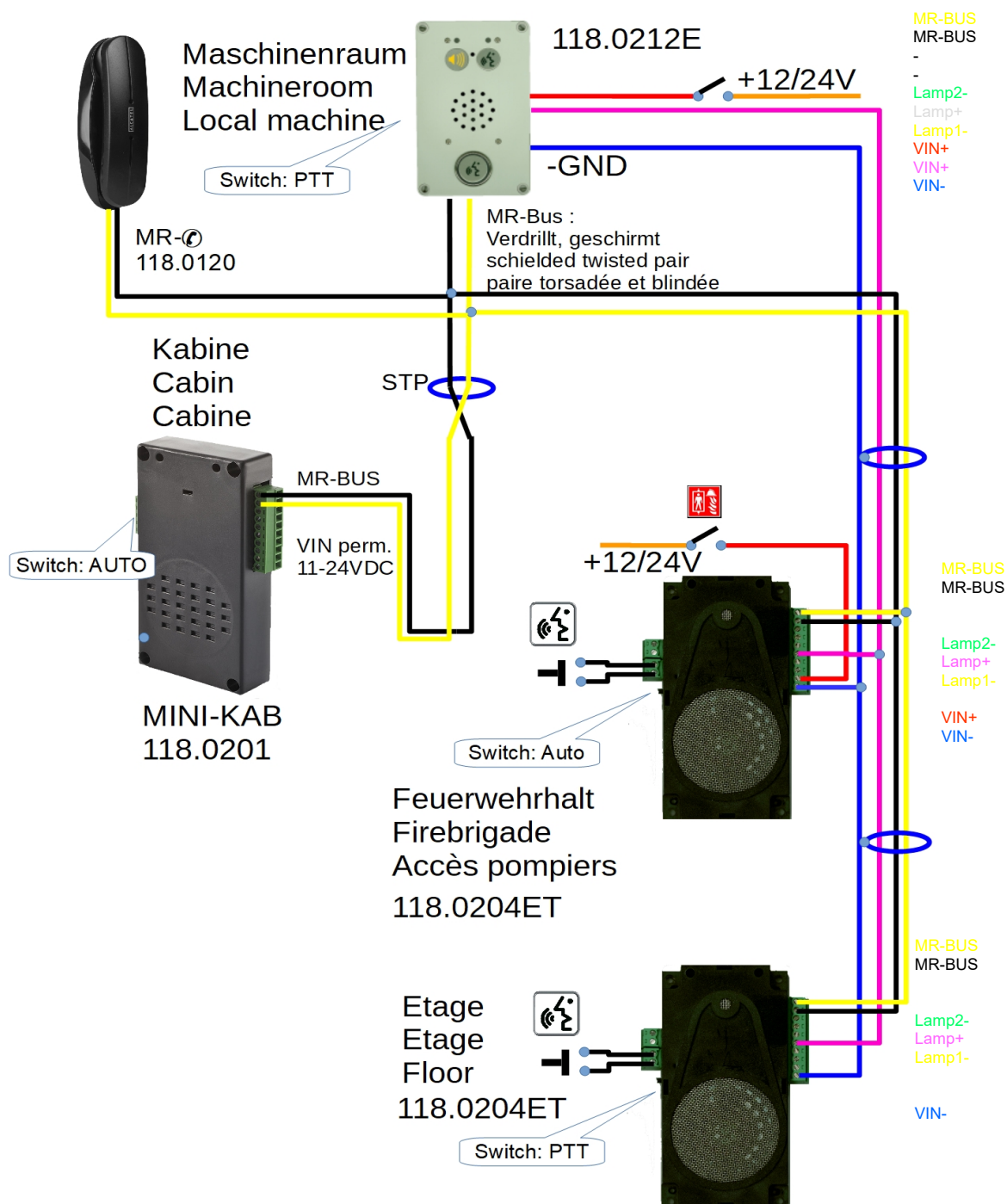


6 Versions


6.1 Fire Brigade Solution

Fire mode: activate key switch

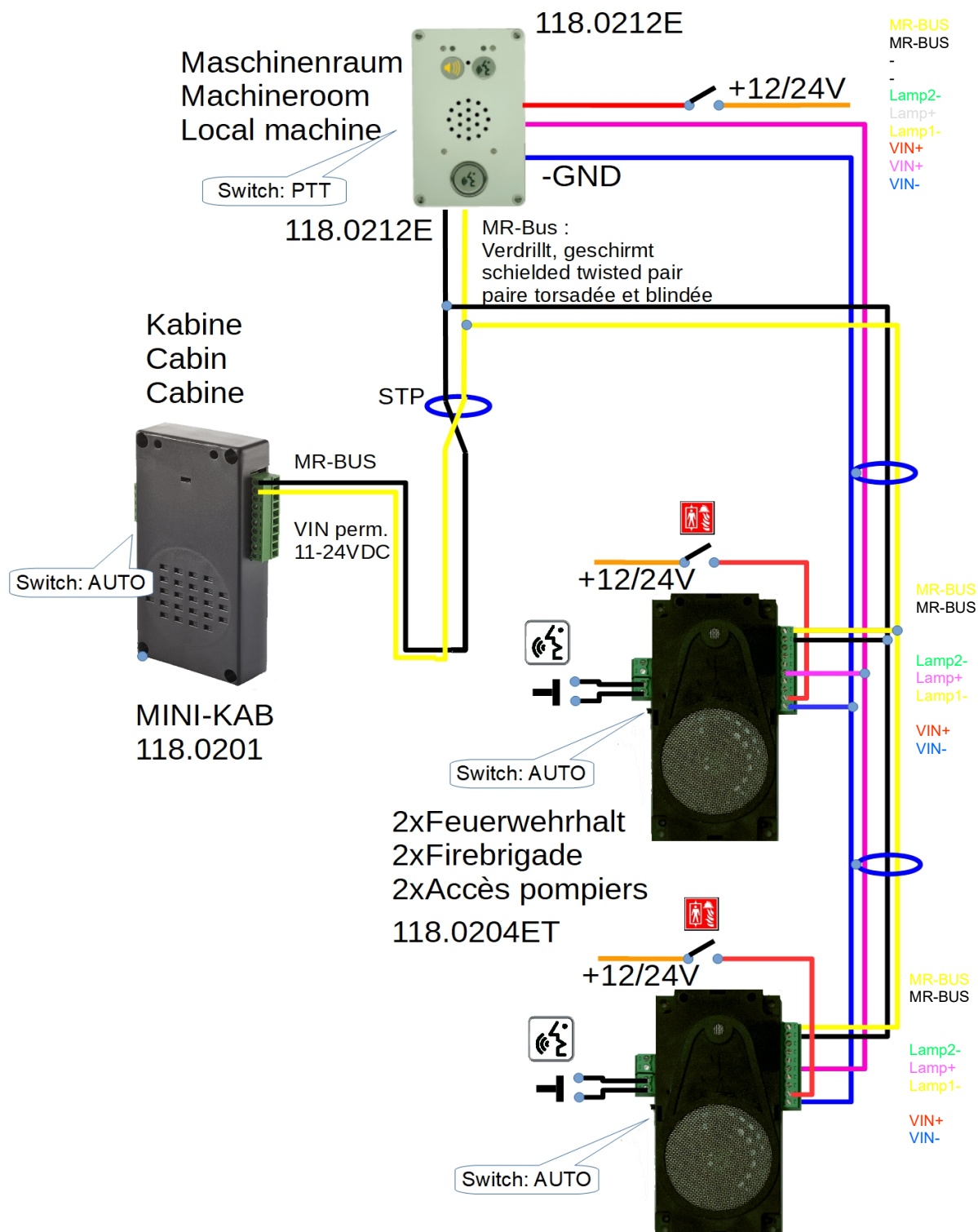
MR communication with cabin: apply +12/24V using switch next to 118.0212E



6.2 Fire Brigade Solution with 2 entry point

Fire mode: activate by one of the key switches 

MR communication with cabin: apply +12/24V using switch next to 118.0212E



6.3 Simple machine room Intercom

