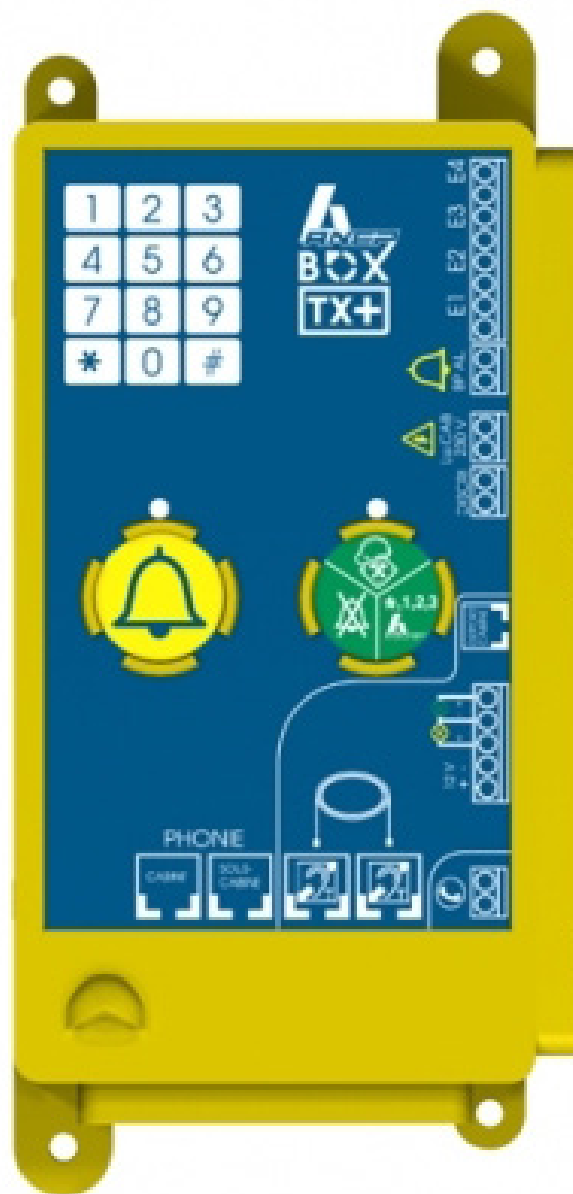


ANEP BOX TX+

ELEVATOR EMERGENCY ALARM FUNCTIONAL CHECK

SCALABLE MULTI-ELEVATOR COMMUNICATION AND INTERCOM SYSTEM



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RECOMMENDATIONS

This documentation is intended for professionals who are trained and experienced in the elevator industry.

Installation / Commissioning

Accordingly, when working on an elevator to install **ANEP** equipment, all safety regulations specific to the profession must be strictly observed.

- Use appropriate **Personal Protective Equipment (PPE)**.
- Isolate and lock out the installation before performing any electrical connections.
- **Ensure safe working conditions before intervening in the shaft.**



Before handling any ANEP equipment, make sure it has been powered off beforehand.

This applies to all “ANEP BOX” equipment (TA, TA+, TX, TX+, etc.).

It is essential to connect all peripherals BEFORE connecting the telephone line:

- Car alarm button (NO or NC **dry contact**)
- Car operating panel (MIDIS) or speaker/microphone communication unit (BA-mini-GHP)
- Pit communication unit (BOX-SC)
- 230V / 12V backed-up and monitored power supply of type ANEP **ALIM-CONTROL II** (if equipped with an induction hearing loop and/or Yellow / Green indicators)

Traveling Cable

We recommend equipping the elevator with a shielded traveling cable to ensure excellent audio communication quality and to prevent any interference that could lead to malfunctions.

The proper operation of telephone equipment largely depends on the characteristics of the telephone line.

Particular care must be taken to ensure proper routing of the telephone line so as not to degrade its standardized technical characteristics.

Check the wiring carefully, especially if it connects several elevator machine rooms:

- Type of cable
- Cable routing (low-voltage / high-voltage separation)
- Sources of interference (HVAC systems, generators, etc.)

1 - GENERAL

1.1 - Technical Specifications

STANDARDS

- Compliant with European Standards **EN 81-28** and **EN 81-70 (2018 / 2022)**
- Compliant with European Standard **EN 81-70 (2003)**
- Compliant with Directive 95/16/EC
- Compliant with ETSI ES 203 021-1 v2.1.1 (2005-06)

INSTALLATION LOCATION

- Mounted on the car roof

ALARM FUNCTIONS

- Integrated or remote communication modules
- Three-way communication function with the addition of BOX-SC or BOX-C modules
- Car alarm discrimination
- Entrapped passenger alarm acknowledgement

POWER SUPPLY

- Line-powered for voice communication calls
- 12 V power supply for the induction loop and yellow/green indicators

TELEPHONE NETWORK

- Connection to an analog telephone line or GSM gateway (private PBX connection possible)
- Three-way emergency alarm function backed up by the telephone line (line-powered emergency alarm)
- DTMF dialing mode
- Automatic answer
- Volume and acoustic adjustment (local or remote)

FEATURES

- Call location identification
- Programming via **ANEPmobile** or **ANEPprogramming**
- 1 input from the car alarm button (NO or NC)
- 1 green button integrating three functions: entrapped passenger alarm acknowledgement, technician arrival and departure indication, and test call to the **ANEP Voice Server (SVA)**
- 1 yellow button for car roof technician alarm
- 1 input for car light monitoring or remote technician presence detection

TELEPHONE NUMBERS

- 6 telephone number memories
- One backup voice communication number if the primary number cannot be reached
- Double-call management
- Periodic test call (every 1, 2, or 3 days)

REMOTE MONITORING

- Voice announcements for floor indications and voice messages
- Elevator operation monitoring (remote supervision)

EXTENSIONS

- Main landing to cabin voice intercom with **INTER-CAN** system (*Current standard NF P 82-207, 2018*)
- Main landing to cabin voice intercom with **IPH-CAN** module (*Current standard NF P 82-207, 2018*)

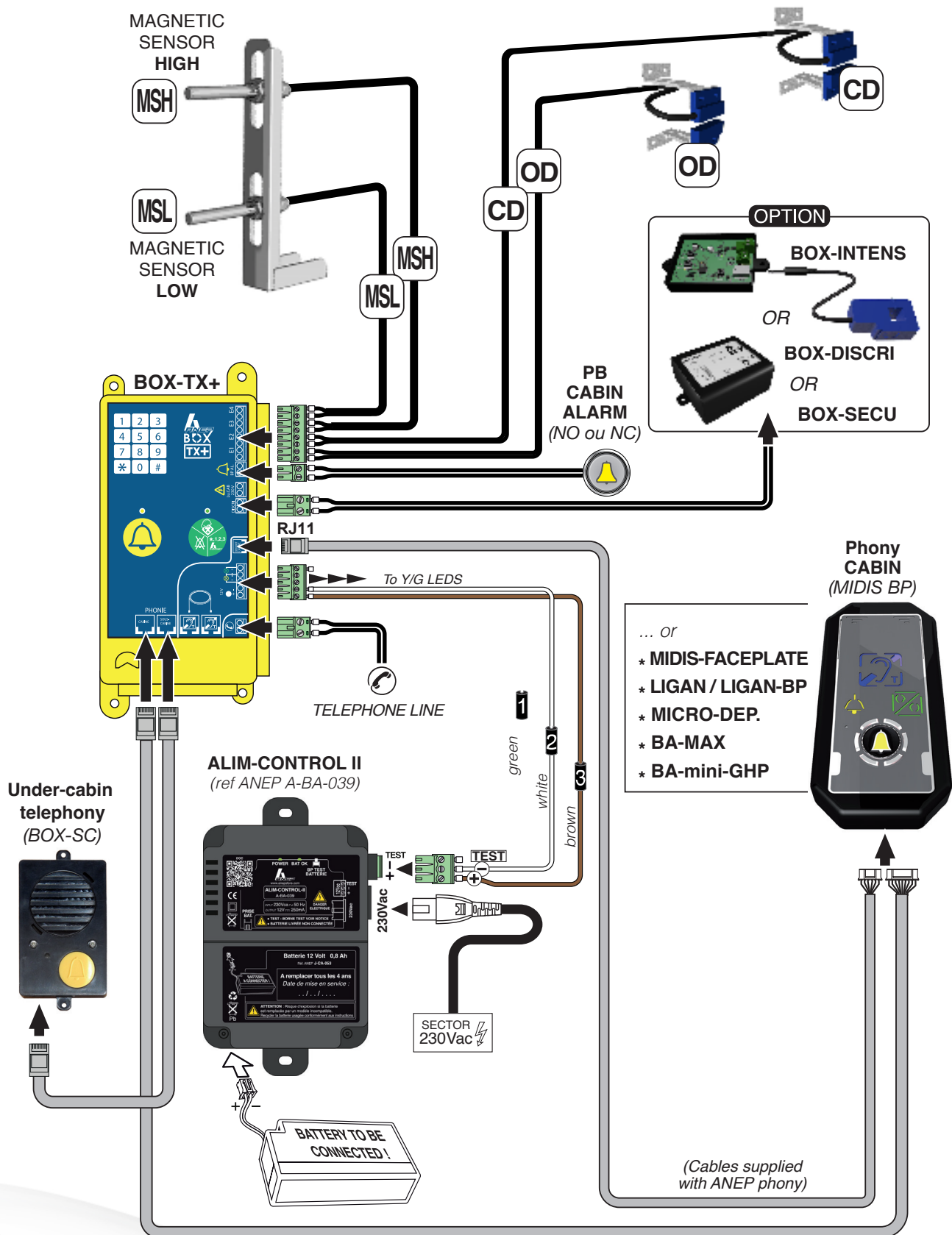
STANDALONE FIREFIGHTER INTERCOM SYSTEM

- Machine room to hoistway intercom with **BOX-M** module (*Old standard NF P 82-207, 1976*)
- Main landing to cabin voice intercom with **CARRÉ POMPIER** module (*Old standard NF P 82-207, 1976*)

Factory Configuration

- | | |
|----------------------------|-----------|
| • Programming code : | *123 |
| • Communication duration : | 3 minutes |
| • Automatic hang-up : | Enabled |
| • Periodic test : | 3 days |

1.2 - BOX TX+ Connections & Peripherals



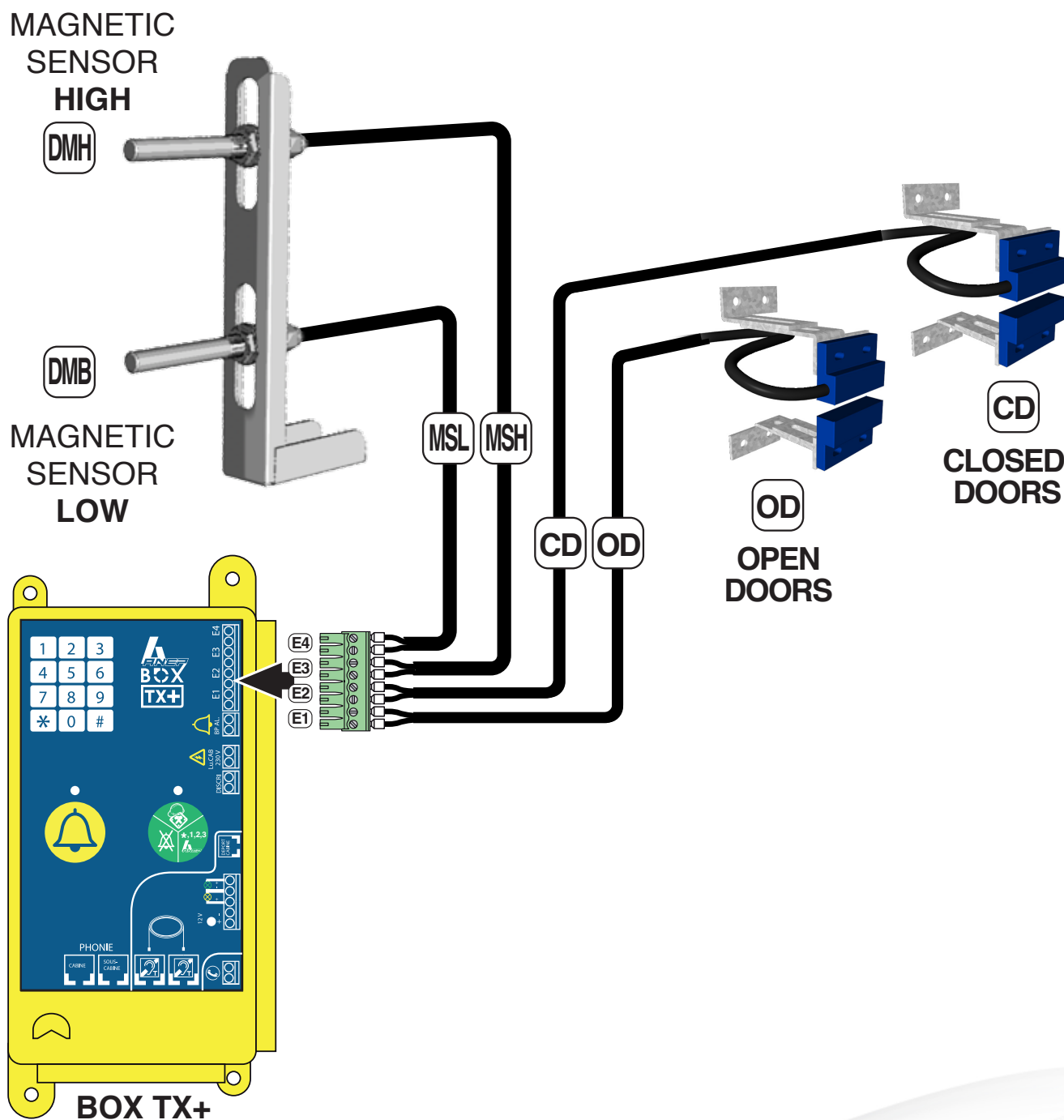
1.3 - Sensor Connections

The car door open/closed signals and the elevator movement signals must be connected to inputs **E1** to **E4** of the ANEP **BOX TX+**.

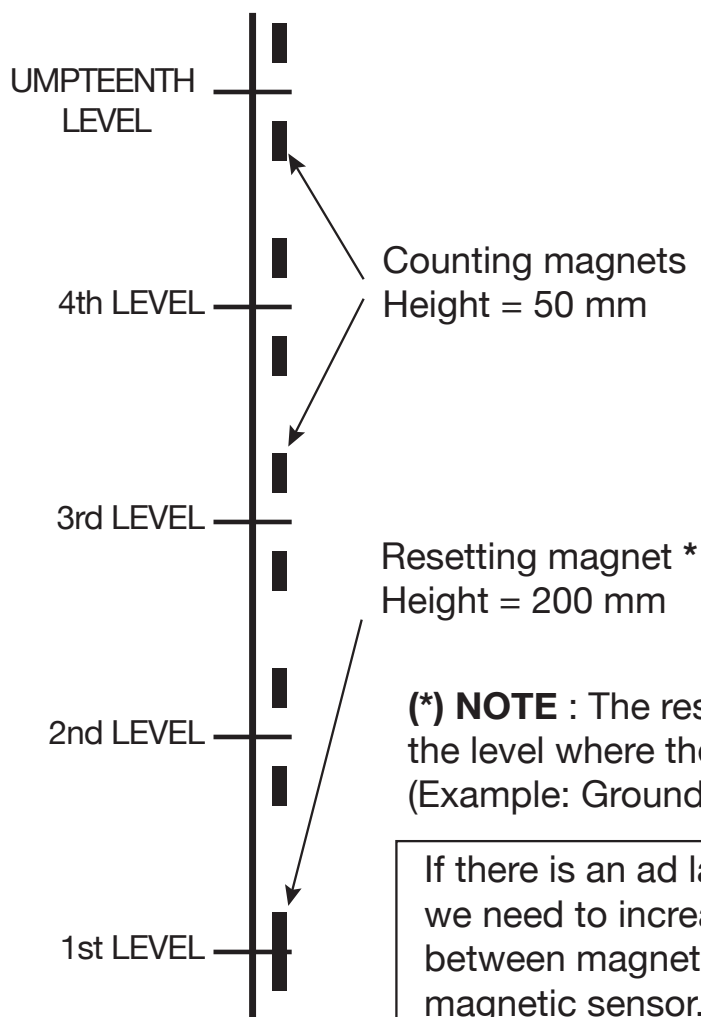
These inputs accept dry, potential-free contacts:

- E1** - Car Door **OPEN**
- E2** - Car Door **CLOSED**
- E3** - Up Magnetic Sensor
- E4** - Down Magnetic Sensor

NOTE: These four signals are required for the Floor Announcements function to operate correctly.

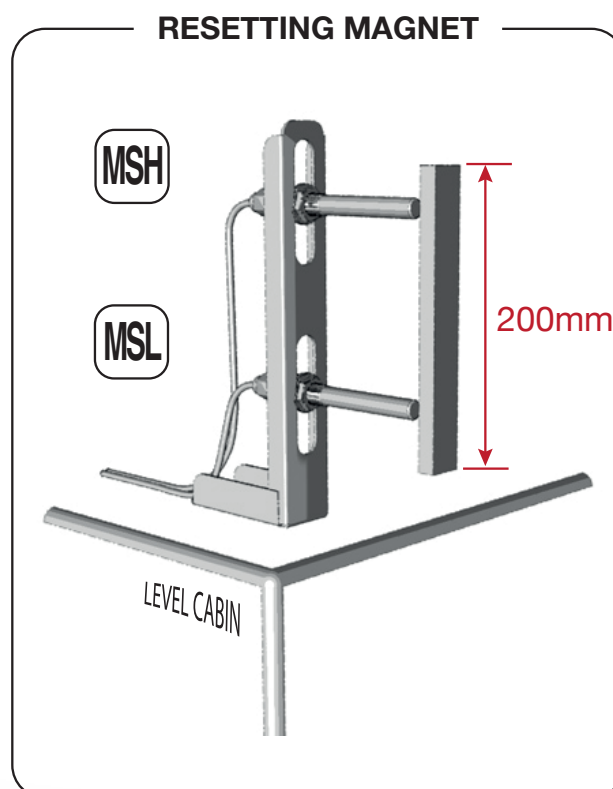
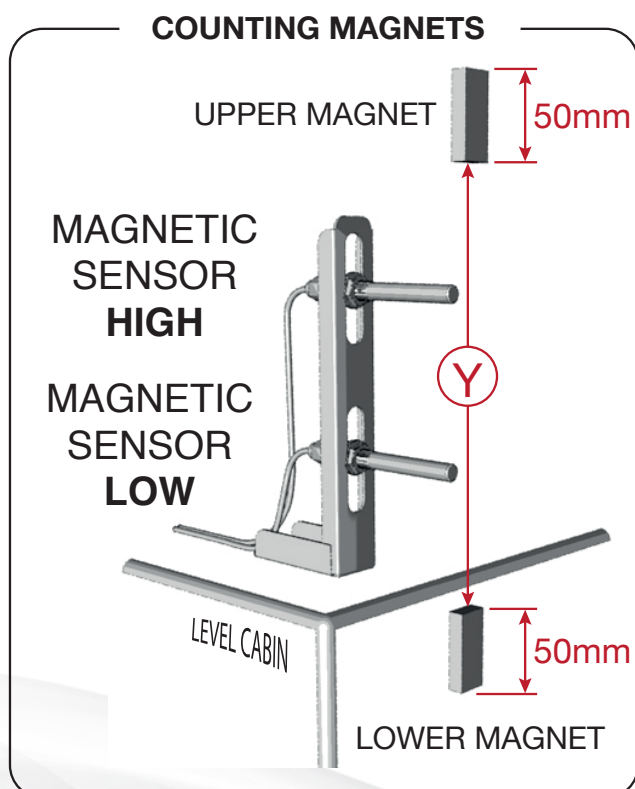
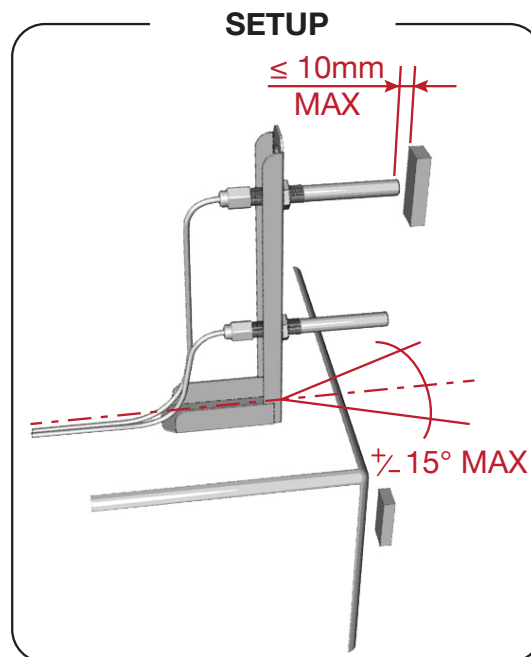


1.4 - Positioning and Re-leveling Sensor Connections



(*) NOTE : The resetting magnet is to be placed at the level where the cab passes most often (Example: Ground floor for an R+4)

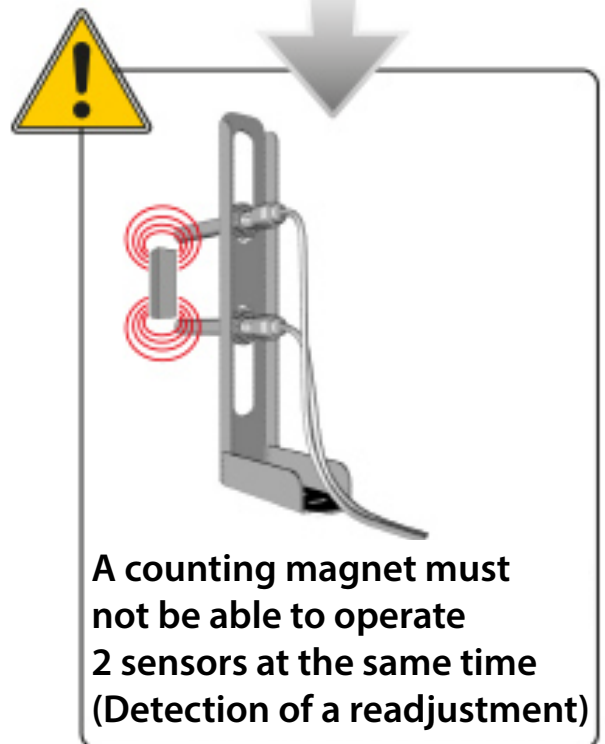
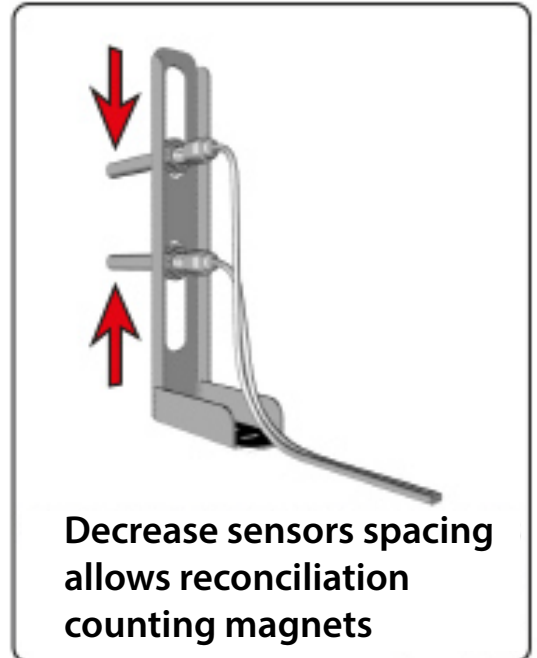
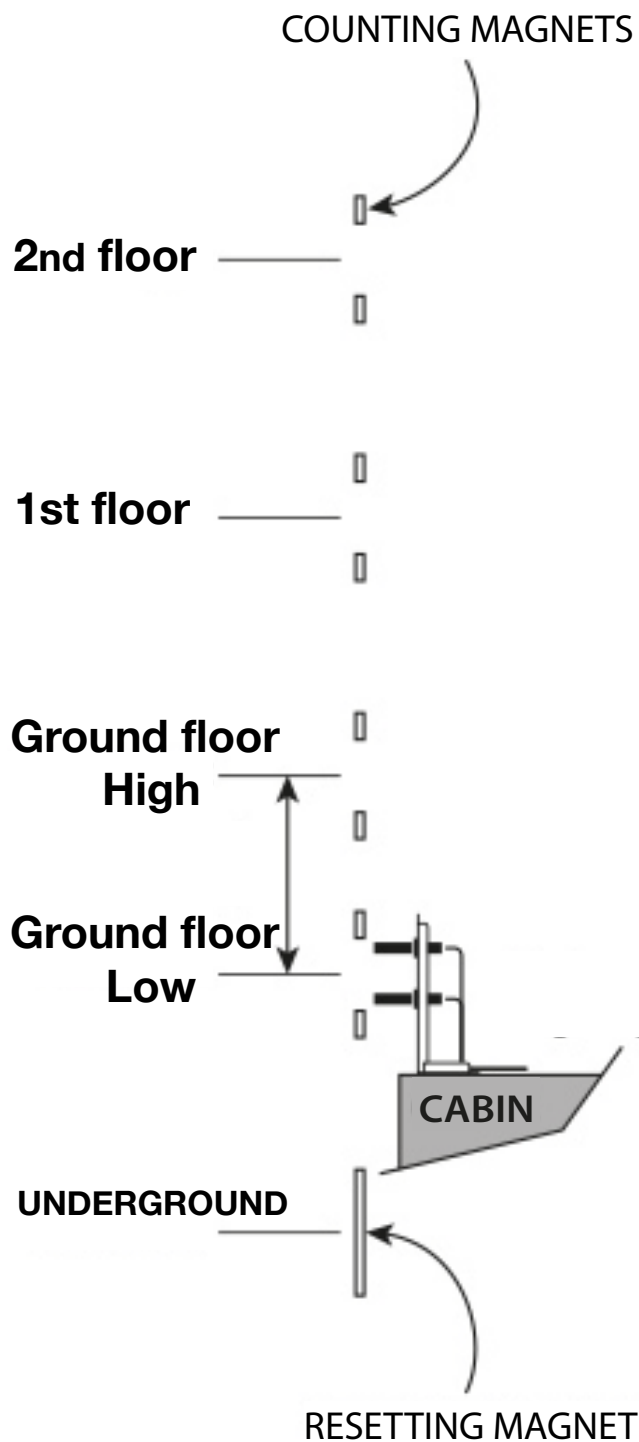
If there is an ad lag in operation, we need to increase the distance between magnets, or increase the distance Y magnetic sensor.



1.4.1 - Elevator with Short Floor Heights

The minimum distance required for short-floor detection is **700 mm** between two floor levels (floor position signals).

ELEVATION VIEW OF THE ELEVATOR SHAFT (Example)



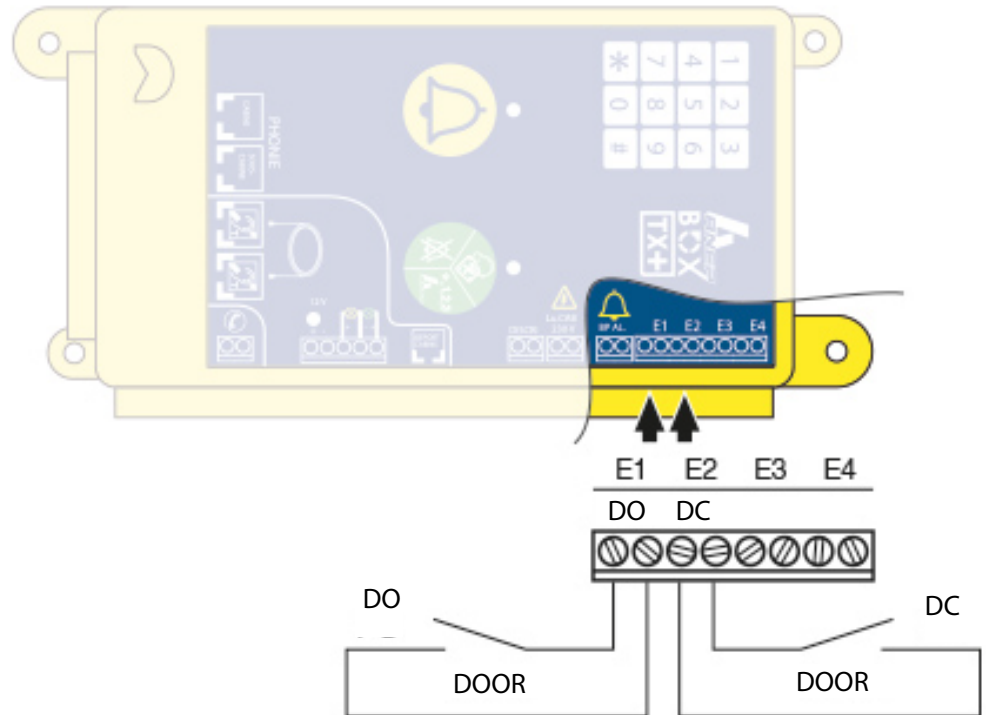
1.5 - Door Open (PO) and Door Closed (PF) Sensor Connections

* *DO = Door Open*

** *DC = Door Closed*

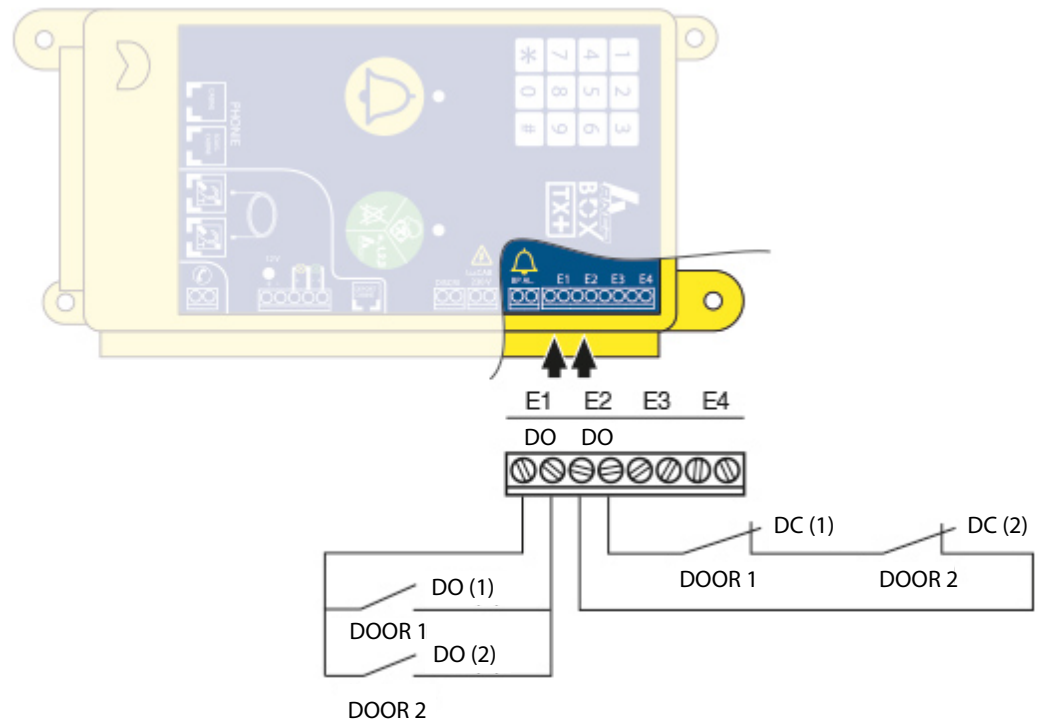
1.5.1 - Single-Entrance Elevator

The Door Open (DO) and Door Closed (DC) signals must be connected to inputs E1 (DO) and E2 (DC), respectively.



1.5.2 - Double-Entrance Elevator

The DO/DC door signals must be duplicated (DO connected in parallel and DC connected in series).



NOTE: The DC signal triggers the gong.

If the voice announcements start when the elevator stops, before the doors open, this indicates that a DC sensor is incorrectly adjusted.

2 - FEATURES

The ANEP **BOX TX+** includes all the features of the ANEP BOX TX version and adds the following:

1. Voice Announcement for an Entrapped Passenger Alarm
2. Integrated Alarm Siren function
3. Floor Announcements
4. Technician Arrival and Technician Departure detection
5. Periodic Technician Presence voice reminders
6. The ability to play an «Alarm in Progress» voice announcement after a Car Alarm has been triggered until the alarm is acknowledged by the technician
7. Car Light input
8. Elevator Remote Monitoring

2.1 - Voice Announcement for an Entrapped Passenger Alarm

To reassure an entrapped passenger, the ANEP BOX TX+ plays a voice announcement after the Entrapped Passenger Alarm has been acknowledged and following activation of the elevator Alarm button.

2.2 - Car Alarm

The integrated Alarm Siren function of the ANEP **BOX TX+** is activated after a Car Alarm has been triggered in either of the following situations:

1. When the telephone call has not been completed after all call attempts have been exhausted.
2. Immediately after the alarm is triggered if a drop in the telephone line voltage is detected (below 28 V), indicating either that the telephone line is faulty or that another BOX sharing the same telephone line is currently placing a call.

The siren is activated for 6 seconds using the loudspeaker integrated into the **BOX TX+** unit (car roof).

This function requires a 12 VDC power supply (such as the ALIM-CONTROL II).

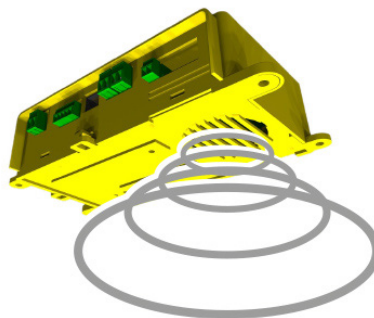
2.2.1 - Ability to activate the siren each time the Car Alarm Button is pressed

Whether the Car Alarm is subject to Discrimination or not, alarm acknowledgement can be indicated by activating the integrated siren for 2 seconds.

→ In Programming Mode (*123):

Enable Siren Function: **#401#**

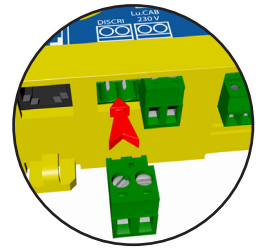
Disable Siren Function: **#402#**



2.3 - Extension Management via the Discrimination Input

OPEN LANDING DOOR

Using an external device (such as a Prudhomme system), the Discrimination Input can be used to transmit the «Landing Door Open onto the Shaft» status (provided the car doors are closed).



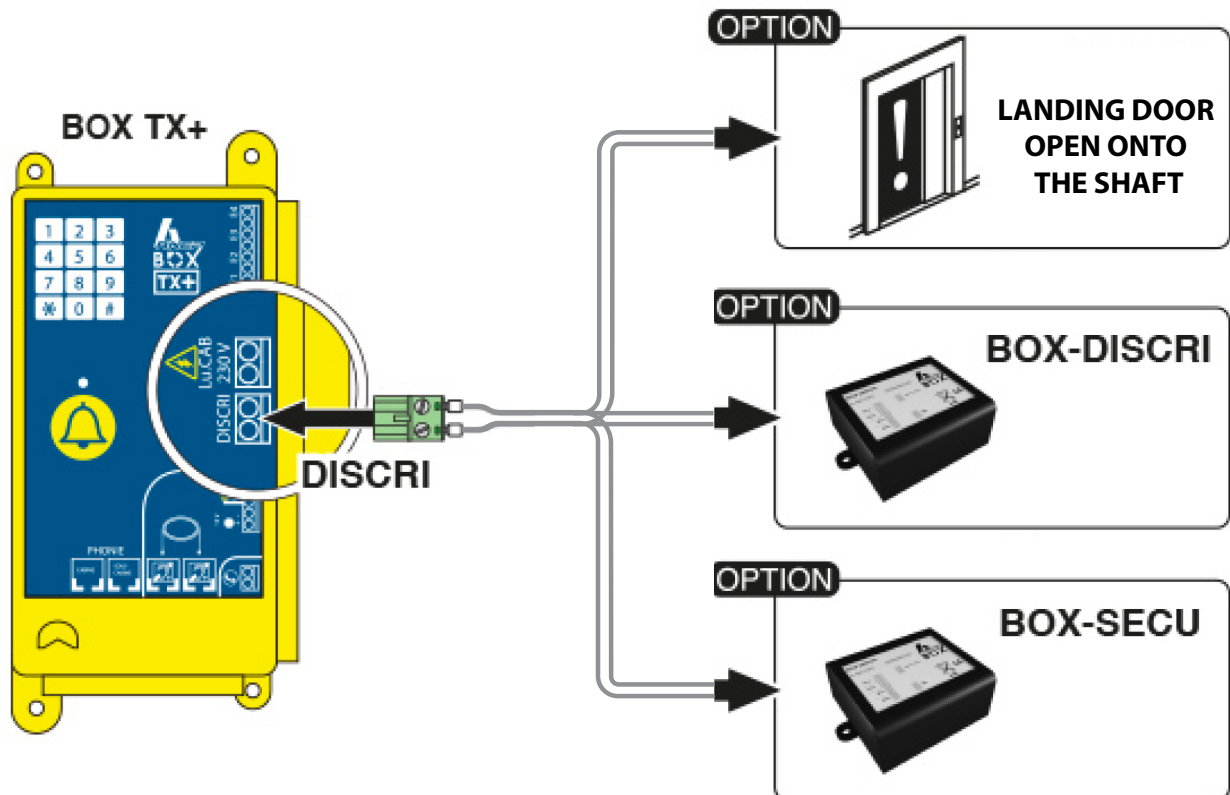
- In Programming Mode (*123):
Enter **#305 xx #** to enable the function.
Where «xx» is the landing door open delay value (2.5-second increments).
The ANEP **BOX TX+** emits three BEEPs.
Press **#** to confirm

If xx = 0, the input is used for external discrimination.

If a BOX SECU is connected, all configurations previously assigned to this input are cancelled.

BOX-DISCRI (see the **BOX-DISCRI** manual) enables discrimination of false alarms by detecting elevator movement.

BOX SECU (see the **BOX SECU** manual) (from TPL version 00-A) detects elevator faults and anomalies using monitoring points within the elevator control system.



2.4 - Setting the BOX TX+ Module Clock

- In Programming Mode (*123):
Enter #601 83 'hh' 'mm'
The ANEP **BOX TX+** emits a gong.
- Press * twice to finish.

hh and mm represent the hours and minutes in 24-hour format.

Examples: 3:48 PM => #601 83 15 48
7:30 AM => #601 83 07 30
9:05 AM => #601 83 09 05

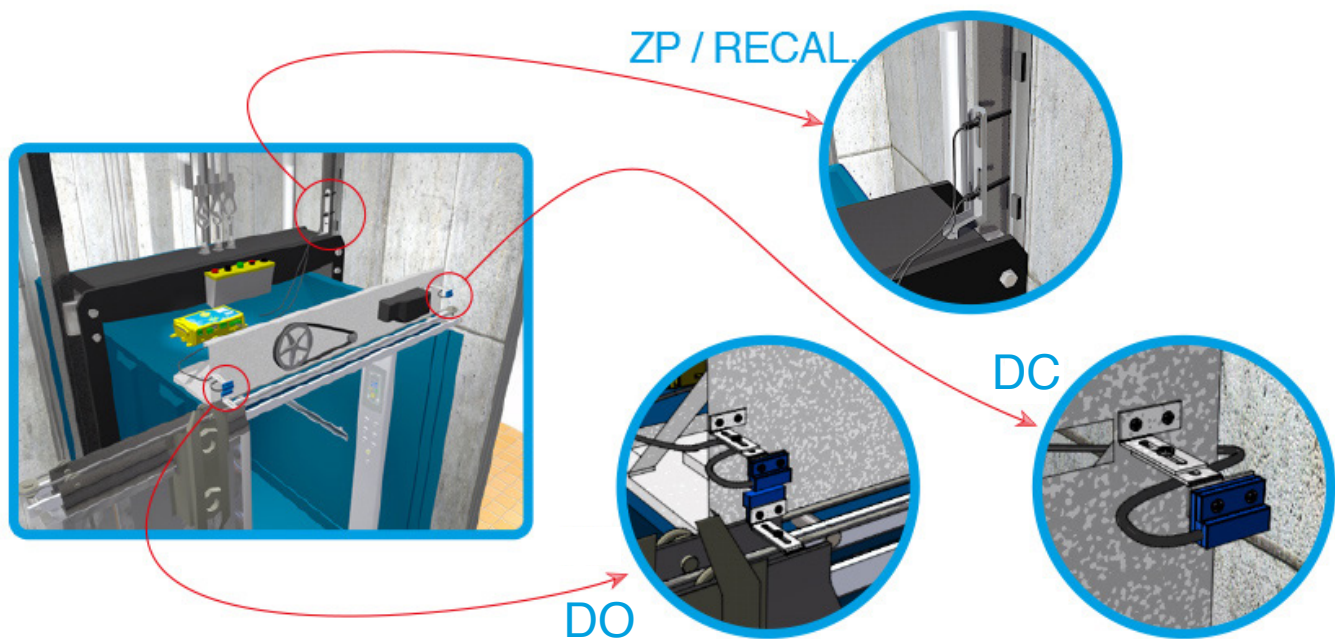
2.4.1 - Local Time Announcement

- In Programming Mode (*123):
Enter # 602 83 #
The ANEP **BOX TX+** announces the current time as a sequence of four digits.
- Press * to exit.

Example: 12:09 is announced as: «UN», «DEUX», «ZERO», «NEUF»

2.5 - Floor Announcements

The ANEP **BOX TX+** can announce the floor when the doors open.
This function requires a **12 VDC** power supply (such as the **ALIM-CONTROL II**).
The floor announcements can be programmed and verified either locally or remotely using ANEPcenter®.



2.5.1 - Enable Floor Announcements

In Programming Mode (*123):

☞ Enter # 603 #

The Floor Announcements, together with the «Door Closing» voice announcement, will be played either from 8:00 AM to 8:00 PM or continuously, depending on the configured operating mode.

2.5.2 - Disable Floor Announcements

In Programming Mode (*123):

☞ Enter # 604 #

The Floor Announcements and the «Door Closing» voice announcement are disabled.

2.5.3 - Programming Floor Announcements Using the Keypad

By default, the **BOX TX+** stores Floor Announcements for every floor.

For special applications, the announcement assignments can be modified to match the elevator configuration.

The installer can change the predefined announcement assignment (**1 to 39**).

Before starting the programming procedure, complete the table on the next page with the announcement reference to be assigned to each floor.

To program a floor, enter: # 601 «n» # «a» #

n = floor number, a = announcement reference.

Both values must be between **1** and **39**.

To limit the announcements to 8:00 AM–8:00 PM:

In Programming Mode (*123):

☞ Enter # 602 81

☞ Press #, to confirm. The voice synthesizer emits a gong.

☞ Press * twice to exit.

NOTE: The ANEP BOX TX+ clock must first be set by completing a Periodic Test Call.

2.5.4 - Floor Announcement Time Period Indication

When entering Programming Mode, the Green and Yellow indicators show the configured operating period for the Floor Announcements.

- Green indicator ON: Floor Announcements are played from 8:00 AM to 8:00 PM.
- Yellow indicator ON: Floor Announcements are played 24 hours a day.
- No indicator ON: Floor Announcements are disabled.

Default Announcements	
Floor	Announcement
39	31st Floor
38	30th Floor
37	29th Floor
36	28th Floor
35	27th Floor
34	26th Floor
33	25th Floor
32	24th Floor
31	23rd Floor
30	22nd Floor
29	21st Floor
28	20th Floor
27	19th Floor
26	18th Floor
25	17th Floor
24	16th Floor
23	15th Floor
22	14th Floor
21	13th Floor
20	12th Floor
19	11th Floor
18	10th Floor
17	9th Floor
16	8th Floor
15	7th Floor
14	6th Floor
13	5th Floor
12	4th Floor
11	3rd Floor
10	2nd Floor
9	1st Floor
8	Ground Floor
7	1st Basement
6	2nd Basement
5	3rd Basement
4	4th Basement
3	5th Basement
2	6th Basement
1	7th Basement

Modified Announcements	
Floor «n»	Announcement Reference «a»
39	
38	
37	
36	
35	
34	
33	
32	
31	
30	
29	
28	
27	
26	
25	
24	
23	
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11	
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7	
6	
5	
4	
3	
2	
1	

2.6 - Periodic Test Call

In compliance with **EN 81-28**, the **BOX TX+** module automatically performs a Periodic Test Call (programmable from 1 to 3 days) to ensure the correct operation of the emergency alarm system.

2.7 - Data Transmission Audio Monitoring

To allow the technician working on the elevator to know that the **BOX TX+** module is communicating with the Receiving Center, all data transmissions are audible (at a low volume) through the **BOX TX+** module loudspeaker.



IMPORTANT : No operation can be performed on the **BOX TX+** keypad during a communication session (including programming).

2.8 - Automatic Hang-Up

During an alarm call:

The call is terminated automatically when a busy tone is detected on the telephone line or when the programmed communication time has elapsed.

The **BOX TX+** module plays a melody 10 seconds before the end of the communication.

During DATA transmission:

The call is terminated automatically at the end of the DATA communication.

2.9 - 12 V & Battery Monitoring

If an **ALIM-CONTROL II** is connected and the 12 V Monitoring function is enabled:

- A fault is reported after detecting a voltage below 8 V for 10 minutes.
- The fault is cleared after detecting a voltage above 8 V for 10 minutes.

If another 12 V power supply is used and the 12 V Monitoring function is enabled:

- A fault is reported after the 12 V supply has been absent for 10 minutes.
- The fault is cleared after the 12 V supply has been present for 10 minutes.

By default, the 12 V Monitoring function is enabled.

Battery Monitoring is available when an **ALIM-CONTROL II** is connected.

During each Periodic Test Call, the ANEP **BOX TX+** checks the presence of the 12 V supply or, if an **ALIM-CONTROL II** is connected, the battery voltage.

If no voltage is detected, a Daily Fault Report is transmitted.
Otherwise, a standard Periodic Test Call is transmitted.

2.10 - ANEP GSM Gateway Battery Monitoring

The P4GU VoLTE and PGA VoIP gateways periodically monitor their battery status. If a fault is detected, the information is transmitted to the connected **BOX TX+** module.

When the fault is detected, the **BOX TX+** module generates a call identified as: «GSM Battery Fault Detected»

After the battery has been recharged or replaced, the P4GU VoLTE or PGA VoIP gateway informs the **BOX TX+** module, which generates a call identified as: «GSM Battery Fault Cleared»

NOTE: 2G technologies (PG1, PG2, and PGU) and 3G technology (P3GU) will soon become obsolete and are no longer recommended for new installations.

2.11 - Machine Room and Firefighter Intercom

The **BOX TX+** module can be connected to a **BOX M** module, adding an intercom function between the Machine Room and the elevator car.

The Car Roof module and the Car Communication Unit then become additional intercom stations without requiring any modification to the equipment installed in the elevator car.

3 - INSTALLATION



Before handling any ANEP equipment, ensure that the power supply has been switched off.

3.1 - Prerequisites Before Commissioning

The performance of telephone equipment largely depends on the characteristics of the telephone line.

Particular care must be taken when routing the telephone line to avoid degrading its standard electrical characteristics.



It is essential to connect all peripheral devices first, THEN connect the telephone line, and FINALLY connect the +12 V supply, if used.

3.2 - Installation Steps

Check all wiring, especially when connections are shared between multiple elevator machine rooms.

1. Cable type
2. Cable routing (low-voltage / high-voltage circuits)
3. Electrical interference (HVAC systems, generators, etc.)
4. Car alarm button
5. Car operating panel
6. Under-car communication unit
7. Telephone line (after approximately 3 seconds, the **BOX TX+** module emits one or more initialization BEEPs, depending on the module number)
8. Backup 12 V power supply (required when using the induction hearing loop and the Yellow/Green indicators)

3.3 - Traveling Cable

We recommend using a shielded traveling cable to ensure excellent voice communication quality and to prevent electrical interference that could cause malfunctions.

3.4 - Installation / Electrical Connections

The **BOX TX+** module is installed on the car roof (secured with four screws) and must be connected to the required peripheral modules according to the selected options:

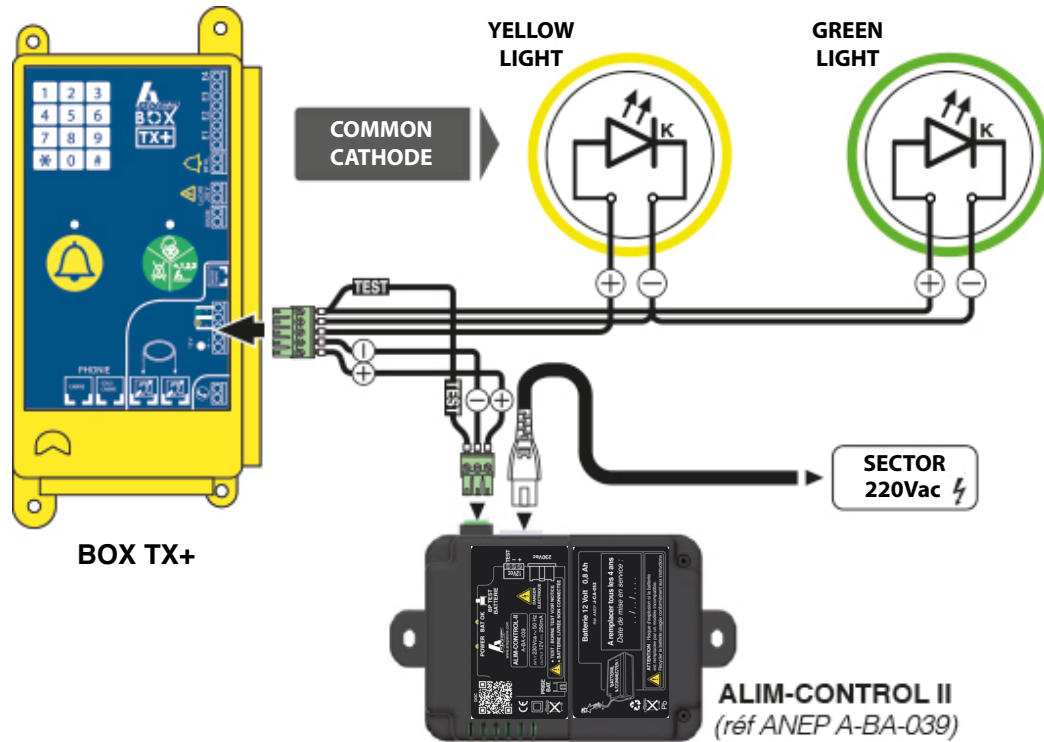
- Car communication unit (car operating panel or remote module)
- Yellow/Green indicators
- Induction hearing loop
- Under-car communication unit
- 12 VDC power supply
- BOX-DISCR1
- Telephone network
- Sensors

4 - YELLOW / GREEN INDICATOR CONNECTIONS (if MIDIS is not installed)

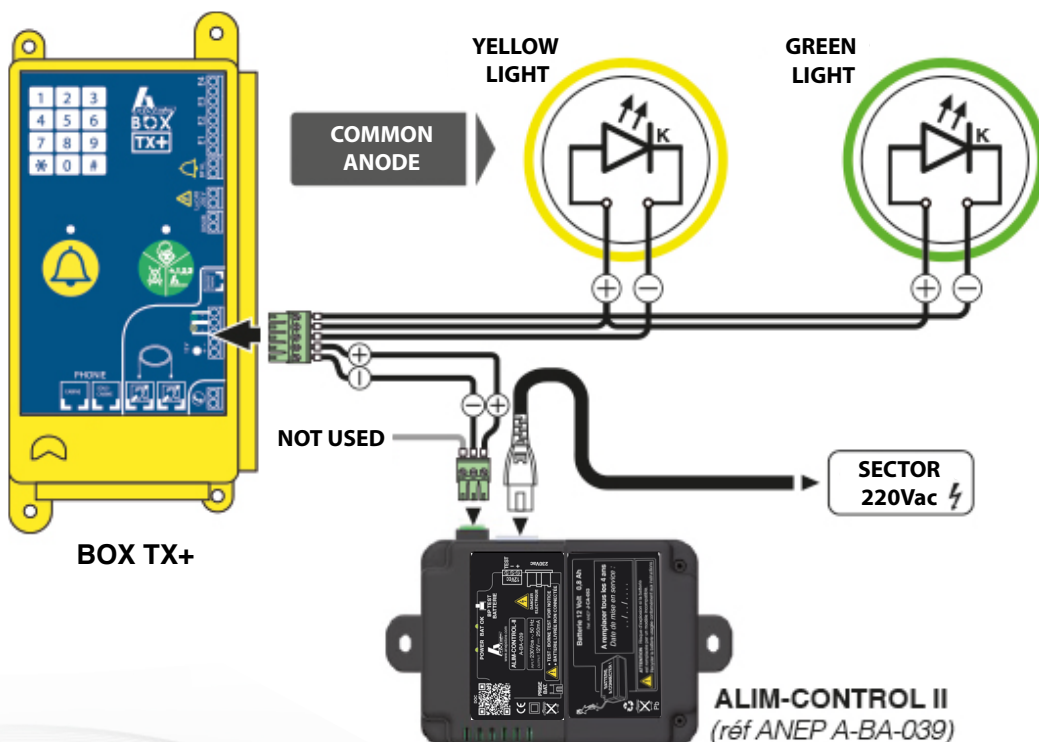
- Connect the indicators installed in the elevator car in accordance with EN 81-28:2003, EN 81-28:2022, and EN 81-70 (12 VDC / 140 mA maximum per indicator).
- Connect a 12 VDC power supply (9 to 15 VDC), such as the **ALIM-CONTROL II**.

No connection of this type is required when a MIDIS communication unit is used.

Common-Cathode Indicators



Common-Anode Indicators



4.1 - Yellow & Green Indicator Programming (EN 81-28:2003 / EN 81-28:2022)

After entering the Programming Access Code:

- ☞ Depending on the required standard for indicator operation, enter one of the following sequences: **# 417 #**, **ou # 418 #**, **ou # 419 #**



STANDARD EN81-70 2003	OFF ●	OFF ●	Device in standby / NORMAL MODE
	ON ✱	OFF ●	Alarm activated, call in progress
	OFF ●	ON ✱	In communication with a call center operator
	OFF ●	OFF ●	Communication ended, line released, alarm acknowledged (remotely or on-site)

417

STANDARD EN81-28 2022	OFF ●	OFF ●	Device in standby / NORMAL MODE
	ON ✱	OFF ●	Alarm activated, call in progress
	ON ✱	ON ✱	In communication with a call center operator
	ON ✱	OFF ●	Communication ended, line released
	OFF ●	OFF ●	Alarm acknowledged (remotely or on-site)
	FLASHING ✱✱✱	FLASHING ✱✱✱	Periodic test failure

418

STANDARD EN81-28 2022 YELLOW OFF	OFF ●	OFF ●	Device in standby / NORMAL MODE
	ON ✱	OFF ●	Alarm activated, call in progress
	ON ✱	ON ✱	In communication with a call center operator
	OFF ●	OFF ●	Communication ended, line released
	OFF ●	OFF ●	Alarm acknowledged (remotely or on-site)
	FLASHING ✱✱✱	FLASHING ✱✱✱	Periodic test failure

419

Programming via ANEP BOX Keypad

After enabling programming access mode by entering *123 :

# 417 #	Validates Yellow and Green LED behavior according to EN81-70 (2003)
# 418 #	Validates Yellow and Green LED behavior according to EN81-28 (2022)
# 419 #	Validates Yellow and Green LED behavior according to EN81-28 (2022) , with Yellow LED OFF after communication (end of alarm)

5 - PROGRAMMING

All peripherals connected to the **BOX TX+** module must be installed before entering programming mode. (Power supply, telephone line, Yellow/Green indicators, Induction Hearing Loop, Alarm button, Discrimination input, Car Operating Panel, Under-Car Communication Unit, etc.)

Shared Telephone Line.

When several ANEP **BOX TX+** and ANEP **BOX C** modules share the same telephone line, all modules must be on-hook before Programming Mode can be accessed.

5.1 - Factory Configuration

The ANEP **BOX TX+** module is supplied with the following Factory Configuration.

PARAMETER	Factory Configuration
Programming Access Code	*123
Communication Duration	3 minutes
Hang-Up	Automatic
Periodic Test Call Interval	3 days
Transmitter Number	Factory serial number (8 digits, see label on the unit)
Module Number	1
Telephone Numbers	Not programmed (empty memories)
Telephone Network	Analog telephone line (PSTN)
Car Alarm Button Delay	1 second
Car Alarm Button Delay with BOX-DISCR1	25.3 seconds
Operator Acknowledgement	Disabled
Yellow/Green Indicator Management	EN 81-28:2003 or EN 81-28:2022
Car Light Input Delay	0 minutes
Car Alarm Discrimination	Disabled
Loudspeaker Active During DATA Transmission	Disabled
Floor Announcement Voice Synthesizer	Enabled
Service Voice Announcements *	Enabled
Remote Monitoring Functions	Disabled

(*) Service Voice Announcements:

Technician Arrival
Technician Departure
Alarm in Progress

5.2 - Programming Mode

5.2.1 - Programming the Transmitter Number (or Identifier or PROM)

In Data (DTMF) Mode, the **BOX TX** module identifies itself by transmitting an identification code referred to as the Transmitter Number (also called the PROM Number or Identifier, depending on the customer or receiving center).

This number corresponds to the BOX TX module's factory serial number (8 digits printed on the product label).

To ensure compatibility with the various databases used by receiving centers, this identification number can be modified.

NOTE: The Transmitter Number is a numeric value consisting of 8 digits. (Ex : 43 21 15 69)

WARNING: Changing the Transmitter Number does not require prior access to Programming Mode.	
* # 22220 xx xx xx xx # *	xx xx xx xx = 8 digits Transmitter Number

5.3 - Programming the Module Number

After entering the Programming Access Code (*123)	
# 303 xx #	xx = Module Number according to the configuration (see below)

5.4 - Accessing Programming Mode

Using the keypad on the ANEP **BOX TX** module, enter:

***123 : The unit plays a melody.** 

5.4.1 - Exiting Programming Mode

After completing the programming, press the « * » key.

Programming Mode is exited, and the unit plays a melody. 

NOTE: If no key is pressed for 3 minutes, the unit automatically exits Programming Mode and plays a melody.

The unit plays a melody 

5.4.2 - Changing the Programming Access Code

In Programming Mode:

#002 nnnnnnn # nnnnnnn #

Enter #002

Enter the new Programming Access Code (1 to 7 digits) followed by «#»

Re-enter the new Programming Access Code (1 to 7 digits) followed by «#» to confirm.



IMPORTANT: Record the new Programming Access Code carefully. If it is lost, the unit must be returned to the factory to restore access.

5.5 - Telephone Network Selection

5.5.1 - Analog Mode

5.5.1.1 - Analog Mode (PSTN)

By default, the **BOX TX+** module is configured for Analog (PSTN) operation.

After entering the Programming Access Code (*123)	
#404#	Analog telephone line (PSTN) Idle line voltage = 28 V

5.5.1.2 - Analog Mode (Private PBX)

After entering the Programming Access Code (*123)	
#403#	Analog telephone line (Private PBX) Idle line voltage = 20 to 28 V

5.5.2 - GSM Mode

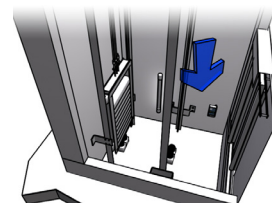
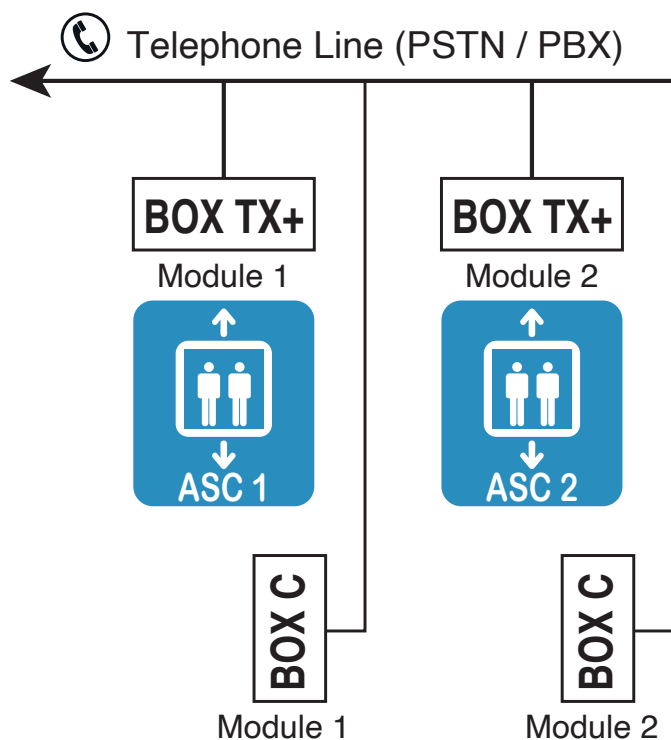
After entering the Programming Access Code (*123)	
#405#	Telephone line via GSM Gateway

After entering the Programming Access Code (*123)	
#406#	Exit GSM Mode and return to PSTN or Private PBX operation

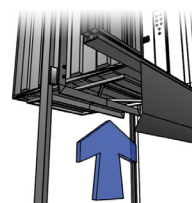
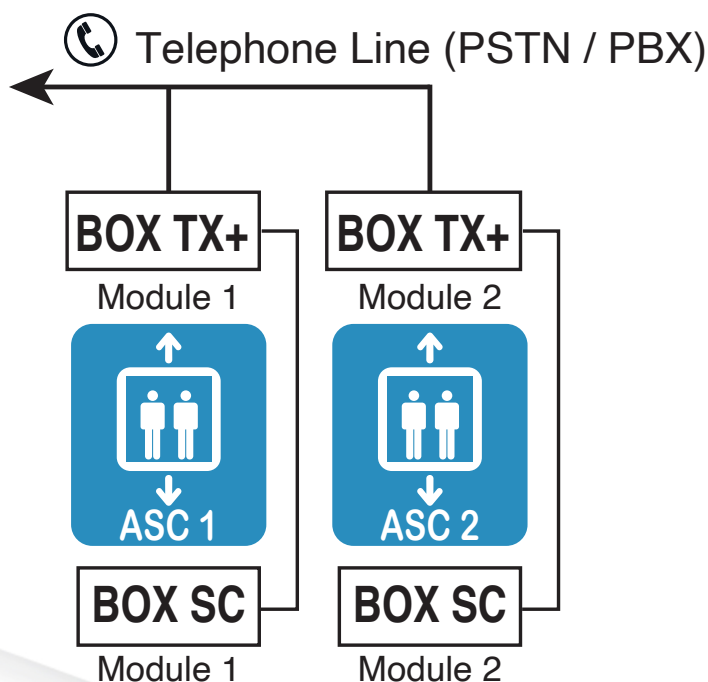
5.5.3 - Group Addressing on an Analog Line

Several ANEP **BOX TX+** and **BOX C** modules can be installed on the same telephone line. The maximum configuration* is limited to 4 modules connected to a single telephone line. Each module must be assigned a unique Module Number to allow identification by the Receiving Center. Likewise, the Receiving Center must have a corresponding site record for each elevator, including its Module Number. (* The maximum number of modules depends on the quality of the telephone line and the installation wiring.)

Configuration 1 – Remote Pit Communication Unit with **BOX C**



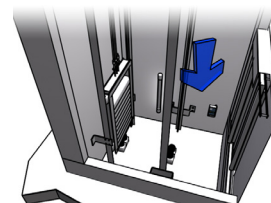
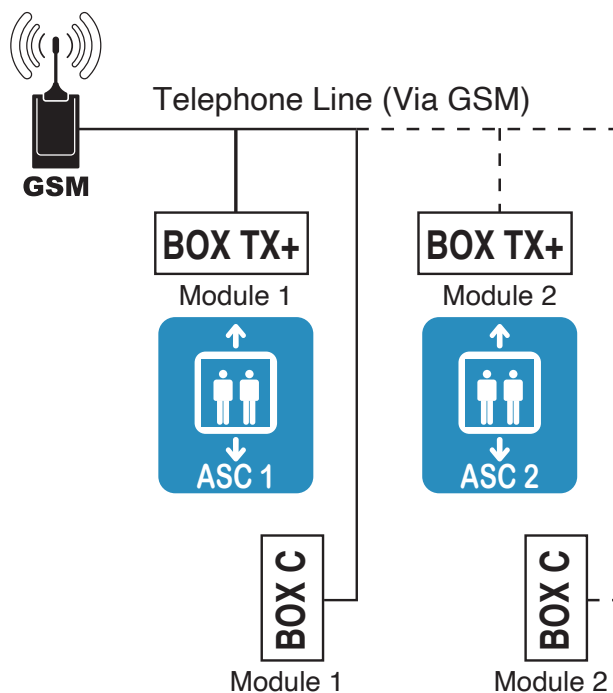
Configuration 2 - Remote Under-Car Communication Unit (**BOX-SC**)



5.5.4 - Addressing via GSM Gateway Telephone Line

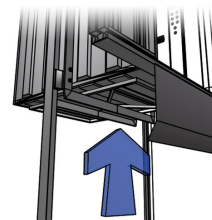
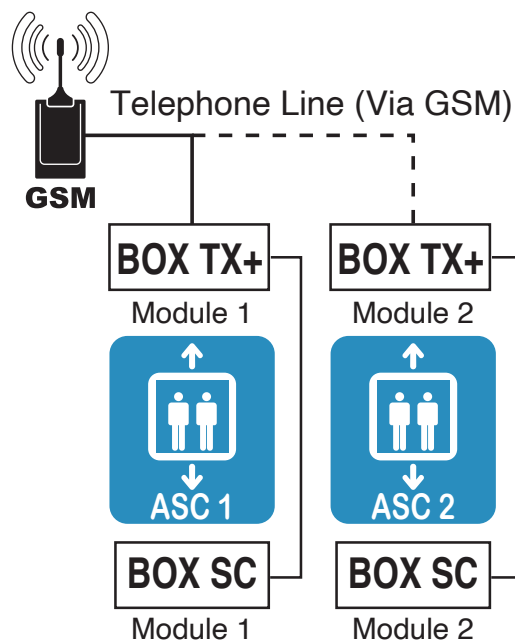
Maximum of 2 modules (when using the BOX-SC)

Configuration 1 – Remote Pit Communication Unit (BOX C)



A second car can be connected in certain configurations, allowing up to four modules. However, ensure that the maximum permissible cable lengths are not exceeded.

Configuration 2 – Remote Under-Car Communication Unit (BOX-SC)



5.6 - Alarm Identification Method

The **BOX TX+** module enables precise identification of the alarm location (elevator location) by transmitting data to the Receiving Center, where the corresponding site record is automatically displayed.

5.7 - Telephone Number Programming

5.7.1 - Telephone Number Table

MEMORY	TYPE OF INFORMATION	NATURE OF THE COMMUNICATION	INCOMING
*123 Programming access code			
#001#	Reset settings		
#101	User and technician alarms	Data & Voice	Modem or telephone
#102	User and technician alarms	Data & Voice	Modem or telephone
#104	Alarm end / GSM battery / 12 V	Data	Modem
#105	Periodic test	Data	Modem
#106	ANEPanywhere (optional)	Data	Modem
#303	Module number		
#706	Automatic End of Alarm Enabled	Data	Modem
* Exit programming mode			

NOTE: To activate the microphone immediately when a voice call is established, add a pause (*) in front of the telephone number programmed for memories 101 and 102.

Example : **#101 * 01 45 69 28 00#**

5.7.2 - Programming Telephone Numbers

Example: Programming Memory 101.

After entering the Programming Access Code (*123)	
# 101 xxx #	x = telephone number (up to 15 digits).

Repeat the same procedure for the other memory locations.

5.7.3 - Programming a Pause

For installations connected to a PBX, it is often necessary to dial a prefix, followed by a pause, and then the telephone number.

To insert a 2-second pause, press the * key

Example: Pause after prefix 0 (Memory 101) using the ANEP main switchboard number.

After entering the Programming Access Code (*123)	
# 101 0 * 01 45 69 28 00 #	01 45 69 28 00 = ANEP main switchboard number

5.7.4 - Deleting a Telephone Number

The procedure is identical to programming a telephone number, except that no number is entered.

Example: Deleting the telephone number stored in Memory 101.

After entering the Programming Access Code (*123)	
# 101 #	Deletes the telephone number stored in Memory 101

Repeat the same procedure for the other memory locations.

5.8 - Parameter Validation and Settings

5.8.1 - 12V Monitoring Configuration

After entering the Programming Access Code:

208 # Enables the 12 V monitoring function.

209 # Disables the 12 V monitoring function.

By default, the 12 V monitoring function is enabled.

5.8.2 - Car Alarm Button Press Delay

A delay can be programmed so that the Car Alarm Button is recognized as a genuine alarm only after being pressed for the specified duration. This feature helps prevent false alarm activations caused by accidental or unintended button presses.

After entering the Programming Access Code (*123)	
# 302 n #	n = value in tenths of a second (maximum = 63)

Example: To program a delay of 4.5 seconds, enter 45 instead of n.

NOTE: By default, the BOX TX module is configured with a 0.5-second delay.

5.8.3 - Entrapped Passenger Call Acknowledgement (EN 81-28)

When this function is enabled, an alarm call initiated by the ANEP **BOX TX** must be acknowledged by the operator by dialing **#1** on the telephone keypad during the voice communication.

If the acknowledgement is not received, the ANEP **BOX TX+** redials the Receiving Center up to six times. This function ensures that the alarm has been acknowledged by an operator rather than by a voicemail system.

After entering the Programming Access Code (*123)	
# 202 #	Enables operator acknowledgement for the car alarm call
# 203 #	Disables operator acknowledgement for the car alarm call

5.8.4 - Communication Duration

Adjustable conversation duration from 1 to 99 minutes (**default: 3 minutes**).

After entering the Programming Access Code (*123)	
# 201 nn #	nn = duration in minutes (01 to 99)

5.8.5 - DTMF Code Transmission Level Adjustment

After entering Programming Mode, press **#409**, enter a value N from 0 to 12, then press **#**.

N	0	1	2	3	4	...	9	10	11	12
Output Power	-16 dBm	-15 dBm	-14 dBm	-13 dBm	-12 dBm	...	-7 dBm	-6 dBm	-5 dBm	-4 dBm

5.8.6 - Audio Level Adjustment

Méthod 1

After completing the programming, initiate an alarm call by pressing the Car Alarm Button on the **BOX TX+**, or the alarm button. 

The following settings are available to adjust the sound levels and the **BOX TX+** microphone/speaker switch according to local conditions :

→ Key **6** = **+** Key **9** = **-**

Adjusts the speaker volume after the microphone/speaker switch.

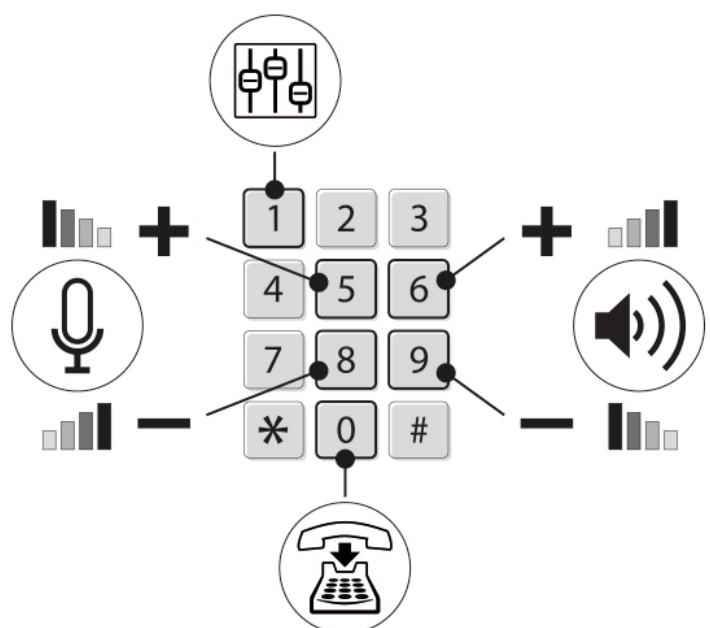
→ Key **5** = **+** Key **8** = **-**

Adjusts the microphone sensitivity.

Key **0** → hangs up the device

Key **1** → restores factory settings

NOTE: Settings configured in manual adjustment mode override those previously configured in automatic adjustment mode.



Méthod 2

The settings can only be adjusted when no call is in progress, in Programming Mode.

Enter the following sequence :

- **#410 1 xx #** xx = value from 1 to 15 to adjust the car loudspeaker volume.
- **#410 2 xx #** xx = value from 1 to 15 to adjust the car roof loudspeaker volume.
- **#410 3 xx #** xx = value from 1 to 15 to adjust the under-car loudspeaker volume.
- **#411 1 xx #** xx = value from 1 to 15 to adjust the car microphone volume.
- **#411 2 xx #** xx = value from 1 to 15 to adjust the car roof microphone volume.
- **#411 3 xx #** xx = value from 1 to 15 to adjust the under-car microphone volume.

5.8.7 - Double Call Mode Configuration

Double Call Mode allows the unit to call a security desk or control room (voice communication only) before forwarding the alarm to the Receiving Center (data and voice communication).

Telephone memories 101 and 102 are used for this function.

After entering the Programming Access Code (*123)	
# 206 #	Enables Double Call Mode
# 207 #	Enables Double Call Mode

The telephone memories must be programmed as follows:

Memory 101: Security desk or control room telephone number.

Memory 102: Receiving Center telephone number.

Alarm sequence:

When an alarm is triggered, the transmitter first calls the telephone number stored in Memory 101 (security desk). It then calls the telephone number stored in Memory 102 (Receiving Center).

If the number stored in Memory 101 (security desk or control room) or Memory 102 (Receiving Center) is busy, the transmitter retries the call up **to six times**.

5.9 - Periodic Test Call

5.9.1 - Enabling the Periodic Test Call

To enable the Periodic Test Call, a telephone number must first be programmed in Memory 105 of the **BOX TX+** module (refer to Section 5.7.2 – Programming Telephone Numbers).

NOTE: When exiting Programming Mode, after the Periodic Test Call telephone number has been stored, the **BOX TX+** module automatically initiates its first Periodic Test Call.

To inform the technician that the BOX TX module is currently in communication, the loudspeaker remains active throughout the call.

Programming Mode cannot be accessed while a telephone call is in progress.

5.9.2 - Periodicity of the Periodic Test Call

After entering the Programming Access Code (*123)	
# 301 n #	n = number of days between each Periodic Test Call (1, 2, or 3 days)

NOTE: The factory default setting is 3 days.

5.10 - Periodic Test Call Management

If Memory **106** is programmed, all calls placed using Memories **101** to **105** are systematically routed to Memory **106**.

The Periodic Test Call can be excluded from transmission to ANEPAnywhere®.

Enable the Periodic Test Call to ANEPAnywhere® (Default)

→ After entering the Programming Access Code (*123)

Enter **#901#**

The unit plays a melody. 

Exit Programming Mode by pressing the * key.

Disable the Periodic Test Call to ANEPAnywhere®

→ After entering the Programming Access Code (*123)

Enter **#902#**

The unit plays a melody. 

Exit Programming Mode by pressing the * key.

5.11 - Intercom Functions

5.11.1 - Gain Adjustment for Machine Room and Firefighter Intercom Modes (BOX M)

The Machine Room and Firefighter Intercom functions have independent Loudspeaker and Microphone gain settings.

These settings do not affect the gain levels configured for the standard three-way communication functions.

Microphone Gain Adjustment:

After entering the Programming Access Code (*123):

Enter **#407**, then enter a value between **1** et **15**, followed by **#**
(1 = minimum gain / 15 = maximum gain)

Loudspeaker Gain Adjustment :

After entering the Programming Access Code (*123):

Enter **#408**, then enter a value between **1** et **15**, followed by **#**
(1 = minimum gain / 15 = maximum gain)

5.12 - Car Light Monitoring Delay

The ANEP BOX TX+ monitors the Car Light supply voltage (230 VAC). Loss and restoration of this voltage are reported to the Receiving Center using Telephone Memory 104.

The delay before detecting voltage restoration is fixed at 2 minutes.
The delay before detecting a voltage loss is programmable.

In Programming Mode:

- ☞ Enter **#304** then enter the desired delay in minutes (0 to 99).
- ☞ The ANEP **BOX TX+** emits three BEEPs. 
- ☞ Press **#** to confirm.

When the delay is set to **0**, the Car Light fault is ignored (Factory Configuration).

5.12.1 - Car Light Input Used as Maintenance Visit Start/End Input

The Car Light input can be used to indicate the start and end of a Maintenance Visit when the Car Light Delay parameter is set to 0.

Maintenance Visit Start

The presence of a voltage (5 V to 220 V) on the input for 5 seconds indicates the start of a Maintenance Visit.

- The «Technician Arrival» voice announcement is played.
- Transmission of the «Technician Presence Detected for Maintenance Visit» event is delayed by 5 minutes.

Maintenance Visit End

The absence of voltage on the input for 5 seconds indicates the end of the Maintenance Visit.

- The «Technician Departure» voice announcement is played.
- Transmission of the «Technician Presence Cleared» event is sent immediately (no delay).

Car Light Function

The Car Light input continues to operate as the Car Light Monitoring input when the Car Light Delay parameter is greater than 0.

6 - OPERATION

6.1 - Car Alarm Test

Following an alarm generated by an Entrapped Passenger, the End of Alarm can be performed automatically:

- After a delay of 1 hour; or
- After 2 elevator trips with 2 door opening cycles (Remote Monitoring enabled and the shaft magnetic sensors and Door Open/Door Closed signals detected); or
- By the **BOX-SECU** module (new).

Enable this Function:

→ After entering the Programming Access Code (*123):

Enter #706#

The unit plays a melody



Exit Programming Mode by pressing the * key.

Disable this Function (Default)

→ After entering the Programming Access Code (*123):

Enter #707#

The unit plays a melody 

Exit Programming Mode by pressing the * key

Press the Car Alarm button. 

If Discrimination is not enabled, the **BOX TX+** module establishes communication with the Receiving Center operator. The dial tone and dialing sequence are audible in the elevator car.

If no voice communication is established, a BEEP is emitted every 6 seconds to indicate that the unit is connected.

To perform the End of Alarm, press the green «End of Alarm» button on the **BOX TX+** module.

6.2 - Car Roof Technician Alarm

Press the Alarm button on the **BOX TX+** module.

The **BOX TX+** module establishes communication with the Receiving Center operator.

The dial tone and dialing sequence are audible on the car roof. 

If no voice communication is established, a BEEP is emitted every 6 seconds to indicate that the unit is connected.

6.3 - Automatic Hang-Up (Voice Communication Mode)

The unit hangs up automatically when a busy tone is detected on the telephone line or when the programmed Communication Duration expires.

The ANEP **BOX TX+** plays a melody 10 seconds before the end of the communication. 

6.4 - Call Number Sequence

6.4.1 - Standard Mode

If the number stored in Memory 101 is busy or does not answer (10 rings), the **BOX TX+** calls the number stored in Memory 102, if programmed. Each programmed voice call number is called successively up to 6 times.

Memory	Call Order	Cycles
101	1	Up to 6 times
102	2	

6.4.2 - Double Call Mode

NOTE: In Double Call Mode, Memory 103 is not used.

Memory	Call Order	Cycles
101	1	Up to 6 times
102	2	

When an alarm is triggered, the transmitter first calls the Primary voice call number (Memory 101).

It then calls the Receiving Center number (Memory 102).

If the number stored in Memory 101 or Memory 102 is busy, the corresponding number is redialed up to six times.

6.5 - Green Button Functions

1) Technician Presence Function

The Technician Presence button allows the Receiving Center to be notified that a technician is present at the elevator.

Pressing the button plays the «*Technician Arrival*» voice announcement, followed by a call transmitting the technician presence information.

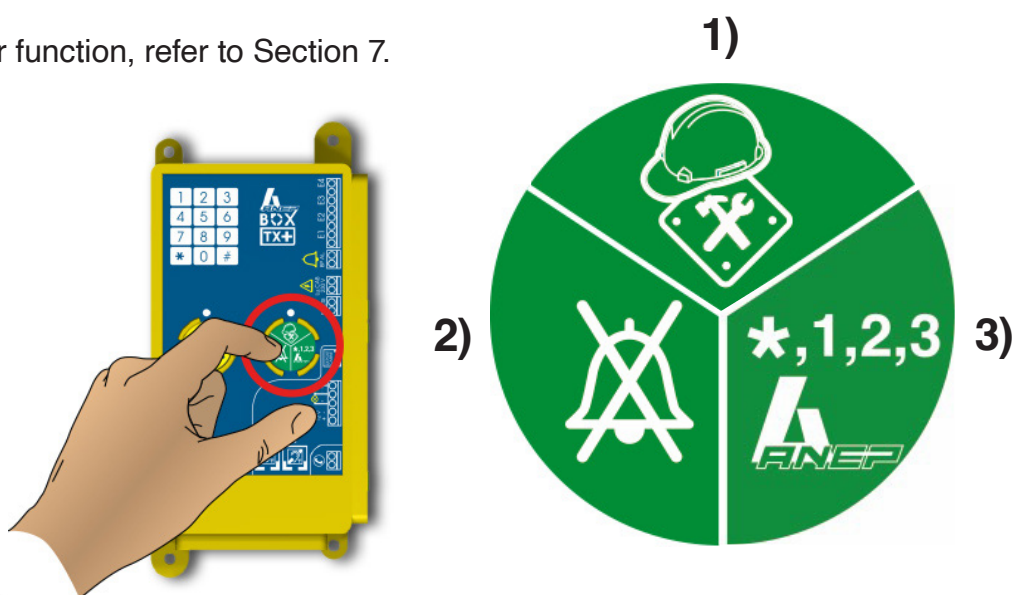
Pressing the button a second time plays the «*Technician Departure*» voice announcement, followed by a call transmitting the technician departure information.

2) End of Alarm Function

When an Entrapped Passenger alarm is active, pressing the green button performs the End of Alarm. A voice announcement informs the technician that the alarm has ended (Discrimination active if programmed).

3) Voice Server Function

For the Voice Server function, refer to Section 7.



7 - VOICE SERVICES / ALARM ACKNOWLEDGEMENT

After a car alarm has been triggered, the «*Alarm in Progress*» status is stored until the technician presses the Alarm Acknowledgement button during the intervention.

The ANEP **BOX TX+** can announce «*Alarm in Progress*» and «*Technician Arrival*» in the car each time the doors close at the main floor (ground floor).

These service voice announcements are played during the same time period as the Floor Announcements (see Section: 2.6.3 Programming Floor Announcements Using the Keypad).

7.1 - Enabling the «Alarm in Progress» and «Technician Arrival» Voice Announcements

→ In Programming Mode (*123):
Press #605#

7.2 - Disabling the «Alarm in Progress» and «Technician Arrival» Voice Announcements

→ In Programming Mode (*123):
Press #606#

The «*Technician Arrival*» announcement is no longer played automatically while the technician is present. However, it remains available when the Technician button is pressed.

7.3 - Car Alarm Acknowledgement

If a car alarm is in progress, pressing the Technician button plays the «*End of Alarm*» voice announcement and clears the stored «*Alarm in Progress*» status.

8 - REMOTE MONITORING

8.1 - Programming for Specific Applications

8.1.1 - Elevator with Fully Manual Doors

The Inactivity fault delay must be set to a longer value than for an elevator with automatic doors, as the doors are closed manually. All door-related faults must be disabled, since door opening and closing depend on passenger operation.

8.1.2 - Elevator with Mixed Doors (Manual and Automatic)

Program the unit for manual doors, even if only one landing door is manual.
Disable the Start-Up Fault (elevator parked with automatic doors).

If the lowest landing has an automatic door, start the learning procedure (using the Alarm button) while keeping the door open. Allow it to close after the Up command has been recorded.

8.1.3 - Learning Procedure

The shaft learning procedure varies depending on the type of elevator doors.

→ In Programming Mode (*123):

For :

Automatic doors: enter #602 71 #

Manual doors: enter #602 72 #

The ANEP **BOX TX+** announces «Validated».

The ANEP **BOX TX+** allows **4 minutes** to start the learning procedure from the lowest floor.

Exit Programming Mode by pressing * twice, as required for all **TX+** programming operations.

8.1.4 - Enabling Elevator Operation Monitoring

→ In Programming Mode (*123):

Enable monitoring: enter **#701#**

Disable monitoring: enter **#702#**

Checking the Monitoring Status:

The **#703#** function reports the current monitoring status.

The ANEP **BOX TX+** announces either: «*Remote Monitoring Enabled*», or «*Remote Monitoring Disabled*».

8.2 - Shaft Learning Procedure

The learning procedure requires a technician to be present inside the car to operate the elevator.

1. Enable Learning Mode (see Section 8.1.3).
2. Move the car to the lowest floor.
3. Wait until the elevator has come to a complete stop (unit idle).
4. Start the learning procedure by pressing the Car Alarm button. The voice synthesizer announces «*Start*» in the car.
5. Press the Top Floor call button.
6. At the top floor, once the car doors have fully opened, the ANEP **BOX TX+** emits a gong.
7. Press the Bottom Floor call button.
8. At the bottom floor, when the doors open, the ANEP **BOX TX+** announces «*Remote Monitoring Enabled*».

During the learning procedure, the ANEP **BOX TX+** informs the technician of any detected errors through voice announcements in the car:

«**Magnetic Sensors Reversed**» : The Up and Down magnetic sensors are reversed.

«**Door Open Signal Missing**» : No door opening detected within 10 seconds after arrival.

«**Door Closed Signal Missing**» : Elevator movement detected without the car doors being confirmed closed after 4 floors.

«**Magnet Error**» : Inconsistent magnetic sensor information between the upward and downward travel.

The following parameters are initialized during the learning procedure:

- Maximum travel time: longest measured travel time + 4 seconds
- Integrator time: longest measured travel time + 14 seconds
- Maximum travel time between two floors (longest measured run between adjacent floors)
- Top floor position (number of floors above the reference floor)
- Bottom floor position (number of floors below the reference floor)

8.3 - Enabling Event Monitoring (Faults / Anomalies)

Each event monitored by the ANEP **BOX TX+** can be enabled or disabled.

BY DEFAULT, NO EVENTS ARE ENABLED AT THE FACTORY, ALLOWING THE TECHNICIAN TO CONFIGURE THE REQUIRED MONITORING FUNCTIONS.

8.3.1 - Event Enabling Sequence

→ In Programming Mode (*123):

Enter **#601 4 nn #**, where «nn» is the reference number of the event to be enabled.

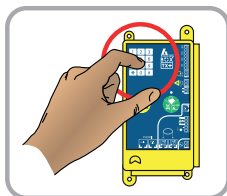
At the end of the sequence, the ANEP **BOX TX+** announces «Validated».

Example: To enable event 8, enter: **#601 4 8 #**

BOX TX+ LEARNING



1



* 123
602 71 #
or
602 72



AUTOMATIC
DOORS



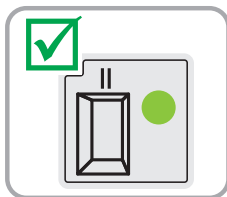
MANUAL
DOORS

2



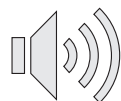
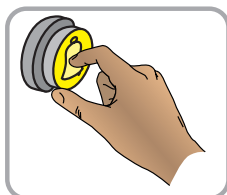
Move the car to the lowest
floor.

3



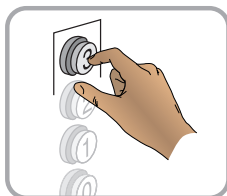
Wait until the elevator has
come to a normal stop (unit
idle).

4



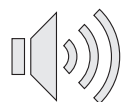
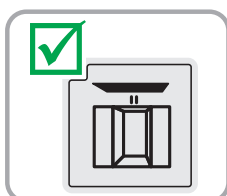
«START»

5



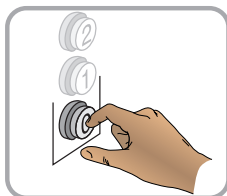
Press the Top Floor call
button.

6



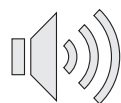
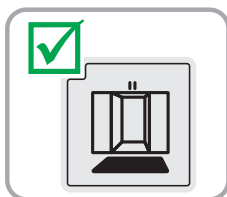
«GONG»

7



Press the Bottom Floor call
button.

8



«REMOTE MONITORING
ENABLED»

8.3.2 - Event Disabling Sequence

→ In Programming Mode (*123):

Enter **#601 5 nn #** where «nn» is the reference number of the event to be disabled.

At the end of the sequence, the ANEP **BOX TX+** announces «*Not Validated*».

Example: To disable event 8, enter: **#601 5 8 #**

8.3.3 - Event Reference List

Fault / Event			
Réf.	Type	Description	Information
1	Fault	Car Stuck Between Floors	Exceeds the learned value
2	Fault	Door Operator*	*At a floor, the car doors do not open
3	Fault	Door Fails to Open on Arrival	The car doors do not open when the elevator arrives
4	Fault	Door Stuck Open**	**The car doors remain open
5	Fault	Start-Up Fault*	*At a floor, the car doors are closed but the elevator does not move
6	Fault	Door Cycle	More than 15 door cycles at the same floor without elevator movement
7	Fault	Excessive Travel Time	Exceeds the learned value
8	Anomaly	Missing Magnetic Sensor	Only one magnetic sensor is detected (car position)
9	Anomaly	Missing Synchronization Magnet	Passing the reference floor without detecting the synchronization magnet
10	Anomaly	Missing Door Closed Magnet	Car movement detected without a door closed status
11	Fault	Door Closing Sequence	Door closes without reaching the fully closed position
12	EVENT	Extended Technician Presence (PTI)	Preset to 2 hours
13	Fault	Inactivity	No elevator movement detected
14	EVENT	Out of Service	Equipment placed out of service by the technician
15	Fault	End-of-Travel Limit	Elevator at the upper or lower travel limit

*** Manual doors only ** Automatic doors only**

Several events can be enabled in a single programming sequence.

There is no need to enter the **#601** sequence before each event.

Example : To enable events **1, 2, 3, 8, and 15**, enter: **#601 41# 42# 43# 48# 415#**

NOTE: The end of a fault condition is detected automatically and reported after a normal elevator movement. Only one fault can be active at a time.

If the elevator performs re-levelling without opening the doors, do not enable Event 3.

8.3.4 - Reading the Status of an Event

→ In Programming Mode (*123):

Enter **#601 6 'nn' #** where «nn» is the reference number of the event to be checked.

The ANEP **BOX TX+** announces either «Validated» or «Not Validated».

Press * twice to exit Programming Mode

WARNING: Only one event can be checked at a time. To check another event, exit Programming Mode and then re-enter it.

The number of reported faults is limited to 4 per day to prevent excessive reporting of recurring faults.

NOTE: The Inactivity fault is the only major fault that can be used to verify the correct operation of the elevator, regardless of the type of failure.

8.3.5 - Reading the Door Type

→ In Programming Mode (*123):

Enter **#601 7#**

The ANEP **BOX TX+** announces either «Automatic» or «Manual».

Press * twice to exit Programming Mode.

This check confirms that the learning procedure has been completed correctly.

8.3.6 - Programming the Inactivity Time

Inactivity is the period during which the elevator remains stationary.

This parameter defines the number of hours of inactivity after which the fault is reported.

IMPORTANT: Elevator inactivity monitoring by the ANEP BOX TX+ is performed only between 8:00 AM and 8:00 PM.

→ In Programming Mode (*123):

Enter **#602 6 n #** where «n» is the number of hours (0 to 7).

Press * twice to exit Programming Mode.

To disable the Inactivity fault, program the value **0 hours**.

8.3.7 - Technical Fault Filtering

The reporting of technical faults can be delayed using a configurable filtering time.

→ In Programming Mode (*123):

Enter **#309 xx #** where «xx» is the filtering delay value.

The delay can be programmed from **0** to **99**, with a resolution of **1 minute** (99 = 140 minutes).

Press * twice to exit Programming Mode.

8.4 - Commissioning Checks

8.4.1 - Checking the Door Signals

Particular care must be taken when adjusting the Door Open (**DO**) and Door Closed (**DC**) sensors. Ensure that the contacts remain in the correct state when the doors are fully open and fully closed.

Example : Mechanical resistance or relaxation of the car doors while the elevator is idle.

8.4.2 - Checking the Monitoring Function

Procedure for Checking the ANEP **BOX TX+** Elevator Monitoring Functions

8.4.2.1 - Verify That Monitoring Mode Is Enabled

→ Use the monitoring status function: **#703#**

The ANEP **BOX TX+** announces «*Remote Monitoring Enabled*».

Then verify the configured door type.

Use function: **#601 7 #**, The ANEP **BOX TX+** announces either «*Automatic*» or «*Manual*».

8.4.2.2 - Checking the Voice Announcements

No Floor Announcements should be played while the car is moving. If announcements are heard during travel, check the adjustment of the Door Closed (DC) sensor.

Verify that the Floor Announcements correspond to the correct floors when the doors open (see Section 2.6.3 - Programming Floor Announcements Using the Keypad).

While the doors are open, the «Door Closing» announcement must not be played before the doors actually begin to close. Check the adjustment of the Door Open (DO) sensor.

When the elevator arrives at a floor, the gong must not sound before the doors begin to open. Check the adjustment of the Door Closed (DC) sensor.

8.4.2.3 - Verifying Fault Transmission

The following tests require the technician to be marked as not present by pressing the **green button** on the BOX. The unit must announce «*Technician Departure*».

Leave the elevator idle for **7 minutes** under normal operating conditions. No call should be initiated (monitor the **DATA** transmissions).

Fault test: Stop the car between two floors and wait **7 minutes**. The ANEP **BOX TX+** must place a call and transmit the «**Car Stuck Between Floors**» fault. Verify that the monitoring center receives the event. After two normal elevator movements, a fault cleared message must be transmitted.

WARNING: Fault reporting is limited to 4 faults per day. Refer to Section 8.3 - Enabling Event Monitoring.

9 - KEYPAD PROGRAMMING TABLE

Entering and exiting parameter-setting mode

- * + <Access Code > Switch to settings mode
- * Exit programming mode

#0...

Setting

- #001# Reset of settings and Tel number
- #002...# New Access Code

#1...

Tel. number

- #101...# Main Tel number for voice call
- #102...# Emergency tel number for phone call
- #104...# Telephone number of the receiving centre to transmit data after voice transmission
- #105...# Phone number of cyclic test call
- #106...# Internet phone number (ANEPanywhere)

#2...

Communication

- #201...# Call duration (1 to 99 in mn)
- #202# Operator call acknowledgement function enabled
- #203# Operator call acknowledgement function not validated
- #204# Enable Full-Duplex Mode for the Car
- #205# Disable Full-Duplex Mode
- #206# Enable Double Call Mode
- #207# Disable Double Call Mode
- #208# Enable 12 V Monitoring
- #209# Disable 12 V Monitoring

#3...

Configuration

- #301...# Periodic Test Call Interval (1, 2, or 3 days)
- #302...# Car Alarm Button Press Delay (10 to 63 × 0.1 s)
- #303...# Module Number (1 to 4)
- #304...# Car Light Input Delay (0 to 99 min)
- #305...# Landing Door Input Delay and **BOX SECU** Memory Reset
- #306...# Car Light Input Information Type
- #307# No Car Alarm Discrimination
- #308# Car Alarm Discrimination Processed by the BOX
- #309# Car Alarm Discrimination Processed by an External Device (**BOX-DISCRI**)

#4...

Configuration

- #401# Enable Siren Function
- #402# Disable Siren Function
- #403# AUTOCOM Mode
- #404# Standard Mode
- #405# Enable GSM Mode
- #406# Disable GSM Mode
- #407# BOX M Intercom Microphone Gain
- #408# BOX M Intercom Loudspeaker Gain
- #409# Adjust DTMF Transmission Level
- #410 1 ..# Car Loudspeaker Volume (1 to 15)
- #410 2 ..# Car Roof Loudspeaker Volume (1 to 15)
- #410 3 ..# Under-Car Loudspeaker Volume (1 to 15)
- #411 1 ..# Car Microphone Volume (1 to 15)
- #411 2 ..# Car Roof Microphone Volume (1 to 15)
- #411 3 ..# Under-Car Microphone Volume (1 to 15)
- #417# Yellow/Green Indicator Management - **EN 81-28:2003** (Default)
- #418# Yellow/Green Indicator Management - **EN 81-28:2022**
- #419# Yellow/Green Indicator Management - **EN 81-28:2022** (Yellow Indicator Turns Off When the BOX Is No Longer Communicating)

#6...**Floor Announcements / Remote Monitoring**

#601 n# a#	If «n» and «a» are between 1 and 39: Program a Floor Announcement
#601 83 ...#	Set Time (Hours and Minutes)
#601 4 nn#	Enable an Event
#601 5 nn#	Disable an Event
#601 6 nn#	Read Event Status
#601 7#	Read Door Type
#602 n#	If «n» is between 1 and 39: Play a Floor Announcement
#602 41#	Place the Elevator Out of Service Manually
#602 5 n#	Maximum Re-levelling Cycles (0 to 20)
#602 6 n#	Inactivity Time (0 to 7 hours)
#602 71#	Automatic Doors
#602 72#	Manual Doors
#602 81#	Limit Floor Announcements and Messages to 8:00 AM-8:00 PM
#602 82#	24-Hour Floor Announcements and Messages
#602 83#	Read Current Time
#602 9n#	Voice Announcement Volume (1 to 8)
#603#	Enable Floor Announcements
#604#	Disable Floor Announcements
#605#	Enable «Alarm in Progress» and «Technician Arrival» Voice Announcements
#606#	Disable «Alarm in Progress» and «Technician Arrival» Voice Announcements
#607#	Force MIDIS Voice Detection
#608#	Enable Automatic Detection by the BOX TX+ LINK

#7...**Remote Monitoring**

#701#	Enable Remote Monitoring
#702#	Disable Remote Monitoring
#703#	Read Remote Monitoring Status
#706#	Enable Automatic End of Alarm
#707#	Disable Automatic End of Alarm

#9...**Extension Configuration**

#901#	Enable Secondary Periodic Test Call (if Memory 106 is programmed)
#902#	Disable Secondary Periodic Test Call

RECYCLING AND WARRANTY



Electrical equipment must be recycled in accordance with Directive 2012/19/EU of 04 July 2012 on Waste Electrical and Electronic Equipment (WEEE).

WARRANTY

This product is covered by a **3-year** warranty from the date of invoice, except for batteries and cells, which are covered by a **6-month** warranty.

However, this warranty does not apply in the following cases:

- Use not in accordance with the instructions provided in this manual.
- Damage caused by external factors (vandalism, fire, flooding, lightning, power surges, etc.).
- Installation carried out by an installer not qualified or approved by ANEP.
- Modifications or repairs performed by entities not approved by ANEP.
- Opening of the product by a person not approved by ANEP.

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