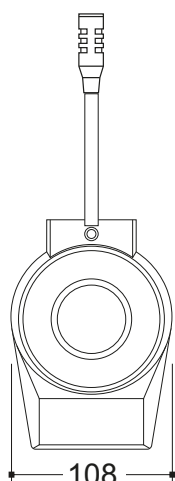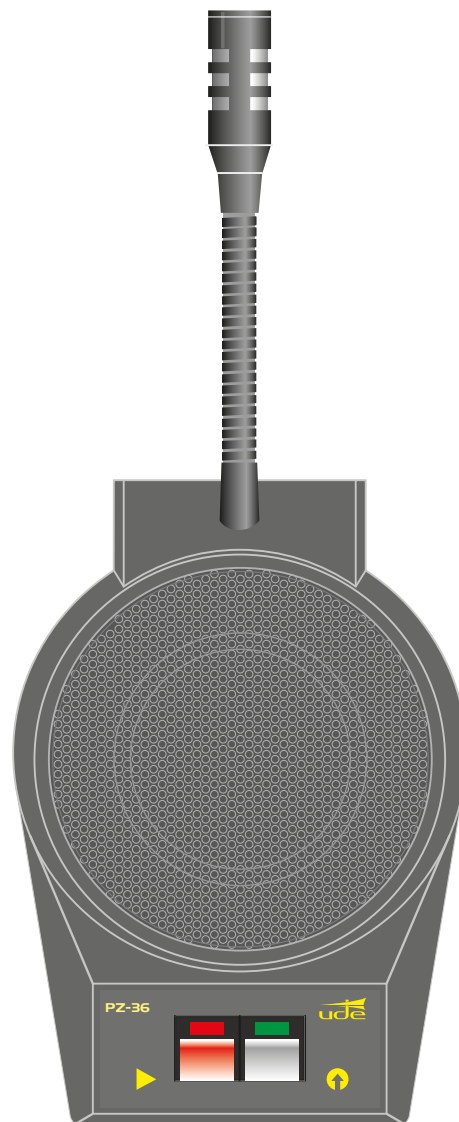# PZ-36

Digital desk microphone

The PZ-36 desk microphone incorporates a pre-warning chime and a digital recorder/player.

Its functions are:

☑ Broadcasting of loud announcements, with or without pre-warning.

☑ Repetition of announcements (digital reproduction).

☑ Broadcasting of pre-recorded announcements.

- Unidirectional electret microphone	
- Signal input:	Balanced.
- Impedance:	600Ω.
- Chime:	3 tones / 2 selectable tones.
- Power supply:	12 to 24 VDC.
- Sensibility:	-67 dB (0 dB = 1 V / µBar).
- Frequency range:	150 Hz to 10 kHz.
- Max. recording time:	60 seconds.
- Material:	Metal / Plastic.
- Colour:	Anthracyte grey.
- Connection*:	DIN connector.
- Cable length:	3 metres.
- Weight:	460 grams.

PZ-36 with optional DIN connector (on request)

Gooseneck length: 300 mm.

108

58

152

ISO 9001
BUREAU VERITAS
Certification
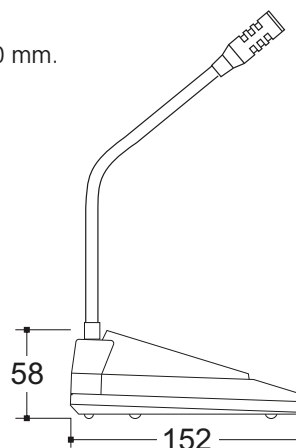
Description

PZ-36 Microphone console with digital message player / recorder allows:

-Broadcasting facilities of announcements with or without preannouncement chime.

-Record announcements up to 60 seconds on non volatile memory (saved even if power supply is disconnected).

-Remote control the broadcast of pre-recorded message thanks to push button "Reproduction".

-Remote control the broadcast of pre-recorded message thanks to an external contact (normal closed) for emergency applications.

-Monitor the messages thanks to a monitoring loudspeaker built-in.

As well, it is possible to modify configurations thanks to internal jumpers, following modes are available:

1. **Announcements without chime.**

2. **Announcements with chime (2 tones or 3 tones).**

3. **Automatic recording of last announcement broadcasted.**
This function called "Repetition" allows to broadcast again the last announcement which have been done, several times if required, by activation on a push button.
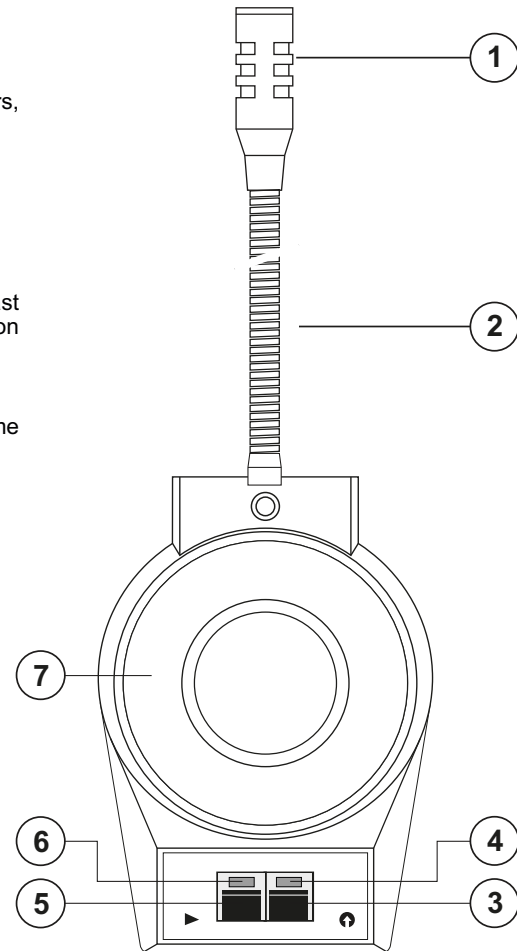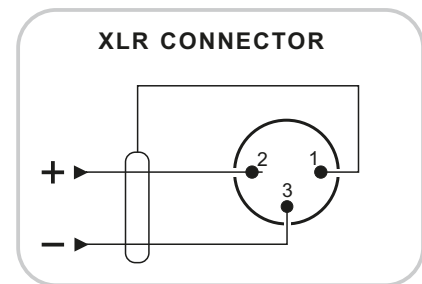
4. **Selective recording.**
Recording is available only if the 2 push-buttons are activated at the same time.

5. **Recording saved.**
Thanks to an internal jumper, the recorded message is saved.

6. **Connection or deconnection of monitoring loudspeaker.**

XLR CONNECTOR

1 — Microphone capsule

2 — Microphone gooseneck

3 — **SPEAK** Pushbutton

4 — **SPEAK** LED indicator(green)

5 — **PLAY** Pushbutton

6 — **RECORDING NOT VALID** LED indicator (red) (excess of duration)

7 — Monitor speaker

Installation

PZ-36 microphone console is delivered from factory with following configuration: reproduction mode (mode 1) with 3 tones chime, with preannouncement level adjusted, with power supply from the amplifier. If necessary, proceed as follow:

1. Configuration of PZ-36 microphone console by removing the back cover and select jumpers according with the requirements (see fig. 1 and 1B).

2. Connect power supply according with the requirements:
  A. From the amplifier thanks to connection cord CA-36. Optional with DIN Connector version (see fig. 4).
  B. From external power supply DC 12V up to 24V. Supplied with PZ-36 (see fig. 2 and 3).

3. Supply the system and check that operation is ok. Adjust chime and pre-recorded message levels, if necessary.

4. Refit the back cover.

Operation

1. Repetition mode – Mode 1

Press the push button "speech", when the green lamp is "ON", broadcast the message thanks to the microphone.

2. Selective recording mode – Mode 2

In order to record a message in selective mode, you have to press simultaneously the 2 push buttons. You can speak on the microphone when green lamp is "ON".
When the 2 push buttons are depressed, the recording is completed.
In order to broadcast the recorded message, press push button "reproduction".
In order to broadcast announcements press push-button "speech" and speak when green lamp is "ON". Depress the push button when announcement is completed. This message is not recorded.

3. Saved messages – Mode 3

Record the message using microphone console with configuration mode 1, press push button "speech" and proceed as described in mode 1.
Then, proceed as follow:
- Disconnect the power supply
- Remove the back cover
- Remove the jumper A and connect jumper B
- Refit the back cover
- Connect the power supply
- Broadcast the pre-recorder message thanks to push button "reproduction"
- In order to broadcast normal announcements proceed as usual. The announcements will   be broadcasted to the Public Address system but will not be recorded. The pre-recorded message is saved an cannot be erase.

4. Erase the pre-recorded message

- Configuration of microphone PZ-36 in mode 1
- Press push button "speech"

NOTES

1. When a message is recorded, at the same time, it is broadcasted on the public address system. In same case, it may be possible to cancel the broadcasting of this message during the recording process, thanks to amplifier input potentiometer selected in position "0".

2. Recording level is automatically adjusted.

3. If "reproduction" push button is pressed permanently and if at the same time, the amplifier input is activated, the message will be repeated.

4. If recording duration (60 seconds) is overpass, a red lamp is "ON". The message is not totally recorded.

5. Voice announcement from microphone has always priority over pre-recorded message.
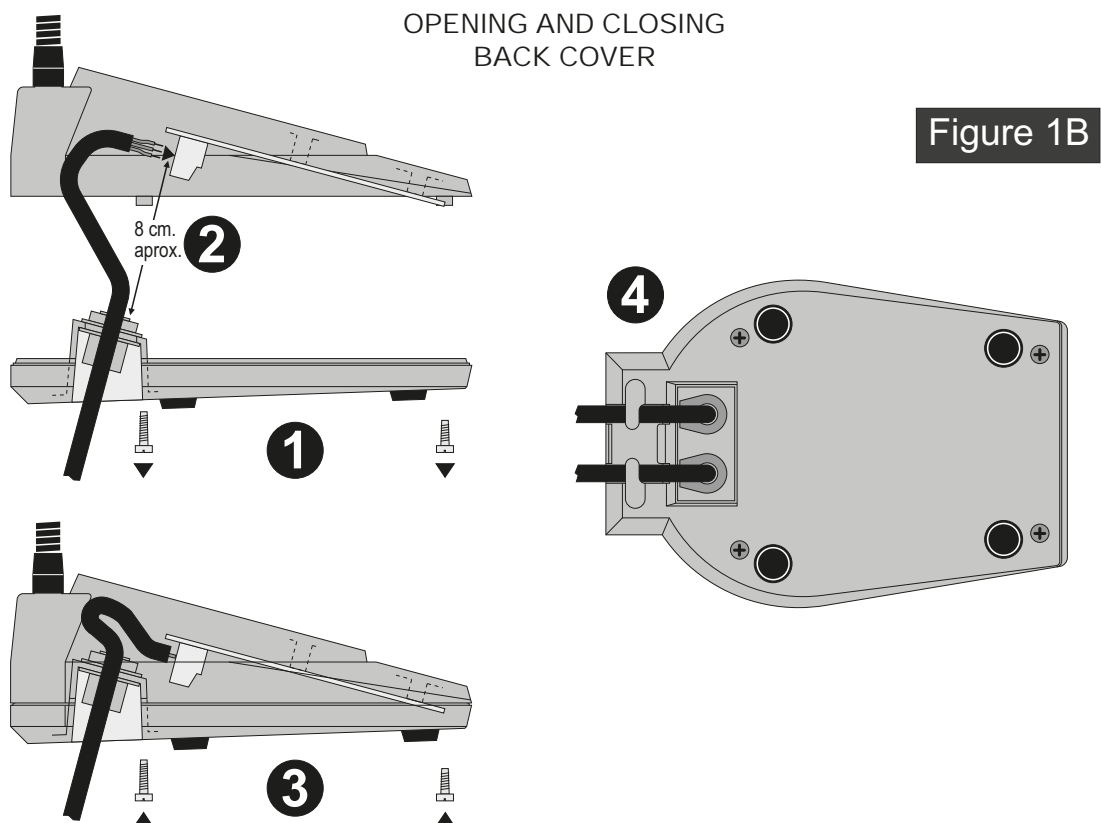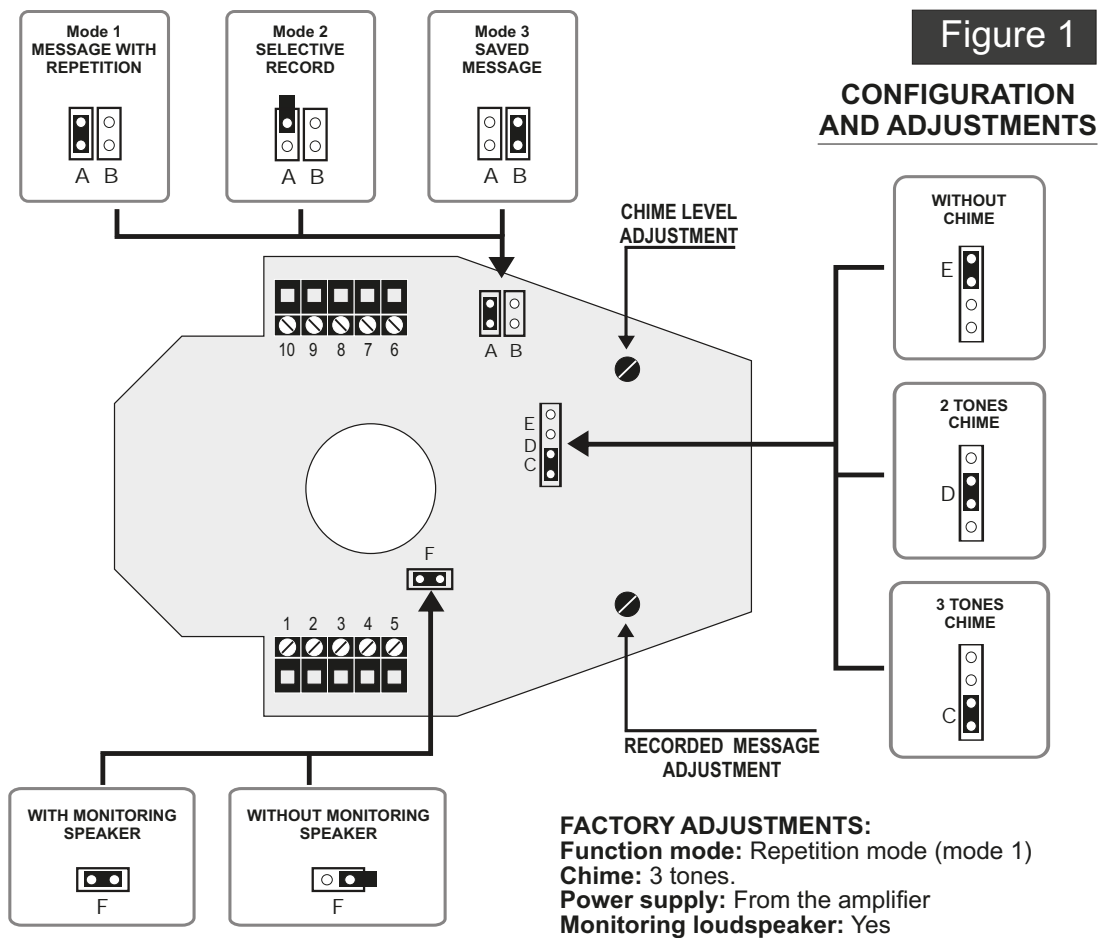
Figure 1

CONFIGURATION AND ADJUSTMENTS

Mode 1 MESSAGE WITH REPETITION
A B

Mode 2 SELECTIVE RECORD
A B

Mode 3 SAVED MESSAGE
A B

CHIME LEVEL ADJUSTMENT

10 9 8 7 6

A B

E
D
C

F

1 2 3 4 5

WITHOUT CHIME
E

2 TONES CHIME
D

3 TONES CHIME
C

RECORDED MESSAGE ADJUSTMENT

WITH MONITORING SPEAKER
F

WITHOUT MONITORING SPEAKER
F

FACTORY ADJUSTMENTS:
Function mode: Repetition mode (mode 1)
Chime: 3 tones.
Power supply: From the amplifier
Monitoring loudspeaker: Yes

OPENING AND CLOSING BACK COVER

Figure 1B

8 cm. aprox.
2

1

3

4

EXTERNAL POWER SUPPLY CONNECTION
(with remote control for "reproduction")

Figure 2

Supplied
AC
DC
230 VAC
0V
12V

REMOTE CONTROL
REPRODUCTION ACTIVATION
Normally Closed

10 9 8 7 6

1 2 3 4 5

AMPLIFIER / PREAMPLIFIER

Connector XLR

MIC INPUT
WITHOUT
PHANTOM

2   1
3

White
Shield
Red

NC

REMOTE
CONTROL
TERMINAL BLOCK

TM

Remote control connection
cables supplied
(pay attention to polarity)

EXTERNAL POWER SUPPLY CONNECTION

Figure 3

Supplied
AC
DC
230 VAC
+12 VDC / +24 VDC
0V

10 9 8 7 6

1 2 3 4 5

AMPLIFIER / PREAMPLIFIER

Connector XLR

MIC INPUT
WITHOUT
PHANTOM

2   1
3

White
Shield
Red

NC

REMOTE
CONTROL
TERMINAL BLOCK

TM

Remote control connection
cables supplied
(pay attention to polarity)

OPTIONAL TO CONNECT AX-29, AX-59, AX-109, AX-309, PX-9

Figure 4
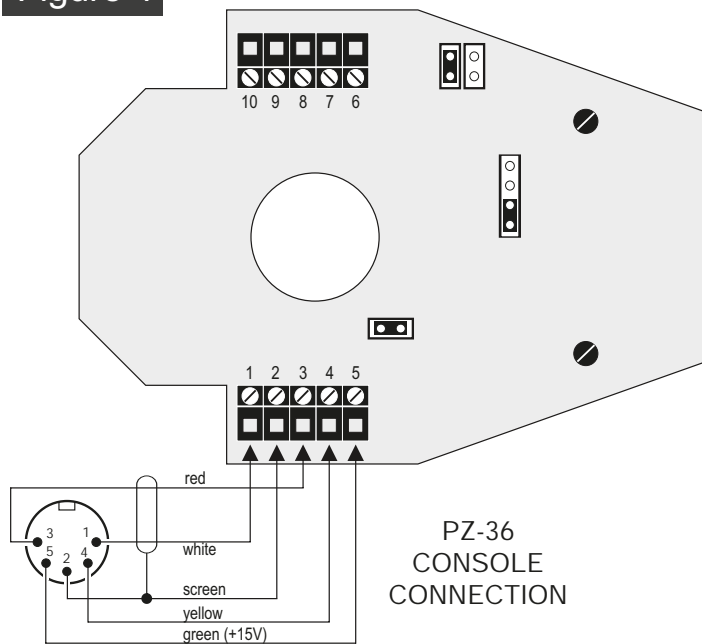
PZ-36
CONNECTION VIA CA-36 CABLE

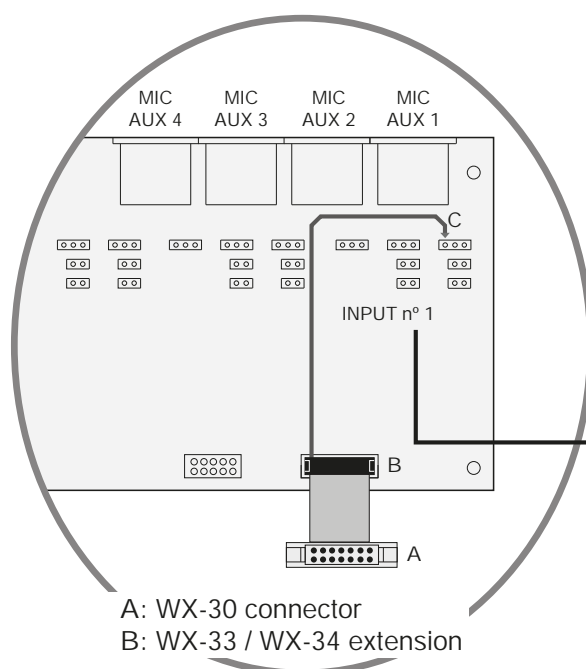PZ-36 CONSOLE CONNECTION

red
white
screen
yellow
green (+15V)

OPTIONAL CA-36 CORD

A

B   C
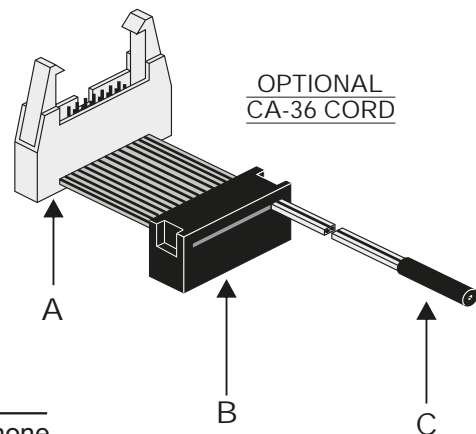
AMPLIFIER / PREAMPLIFIER CONFIGURATION

1.- Configuration of input nº 1, 2, 3 or 4 as music microphone without phantom power supply.
2.- Connect CA-36 cable (OPTIONAL) according with instructions.
3.- Check that +15 VDC is available on point 5 of DIN socket.

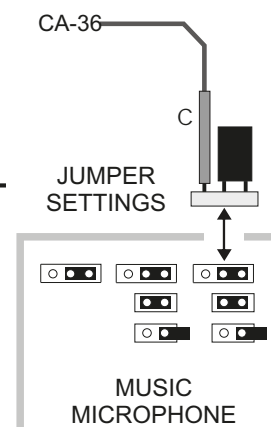### REMOVE THE COVER AND SELECT JUMPERS ACCORDING WITH INSTRUCTIONS

MIC AUX 4   MIC AUX 3   MIC AUX 2   MIC AUX 1

C

INPUT nº 1

B

A

A: WX-30 connector
B: WX-33 / WX-34 extension

MIC / AUX INPUT CONFIGURATION

AX-29

AX-59

AX-109

AX-309

PX-9

CA-36

C

JUMPER SETTINGS

MUSIC MICROPHONE

EXTERNAL POWER SUPPLY CONNECTION
(with remote control for "reproduction")
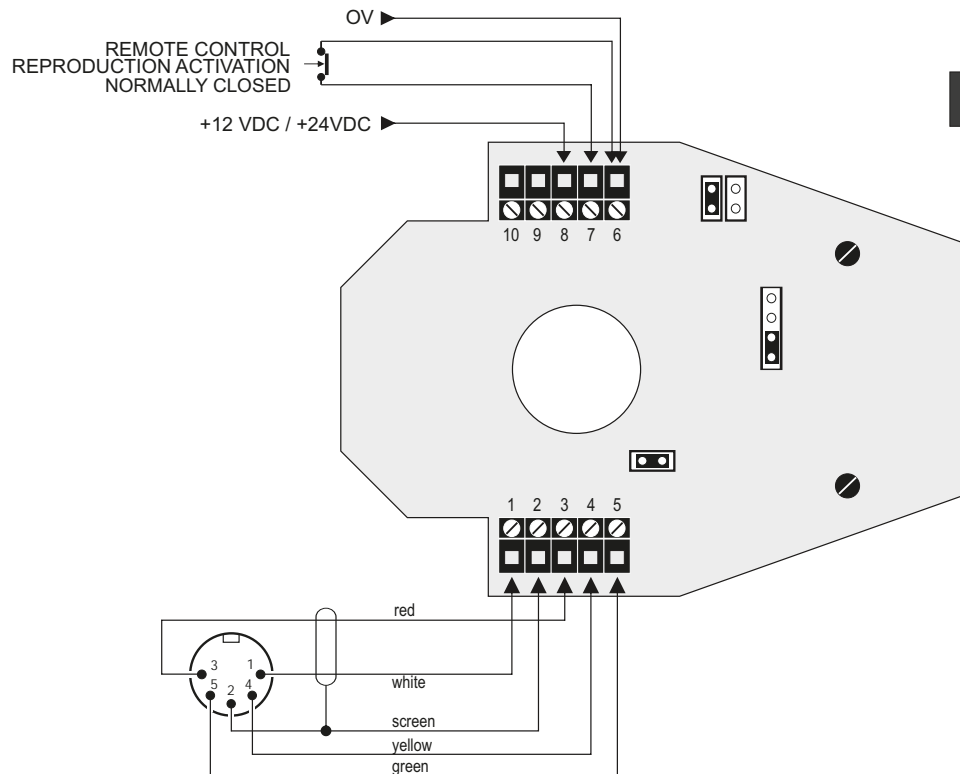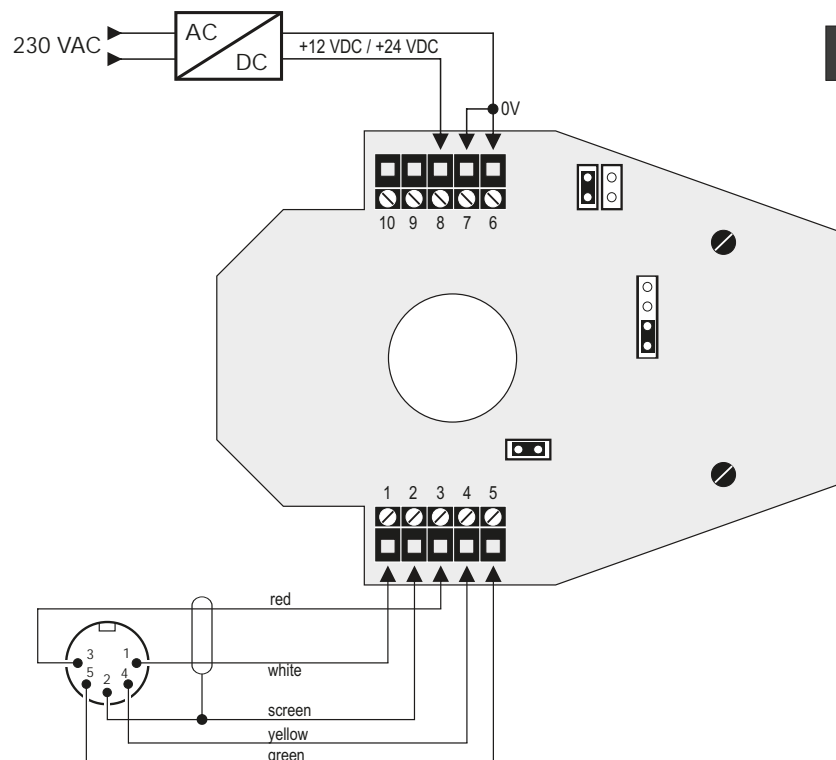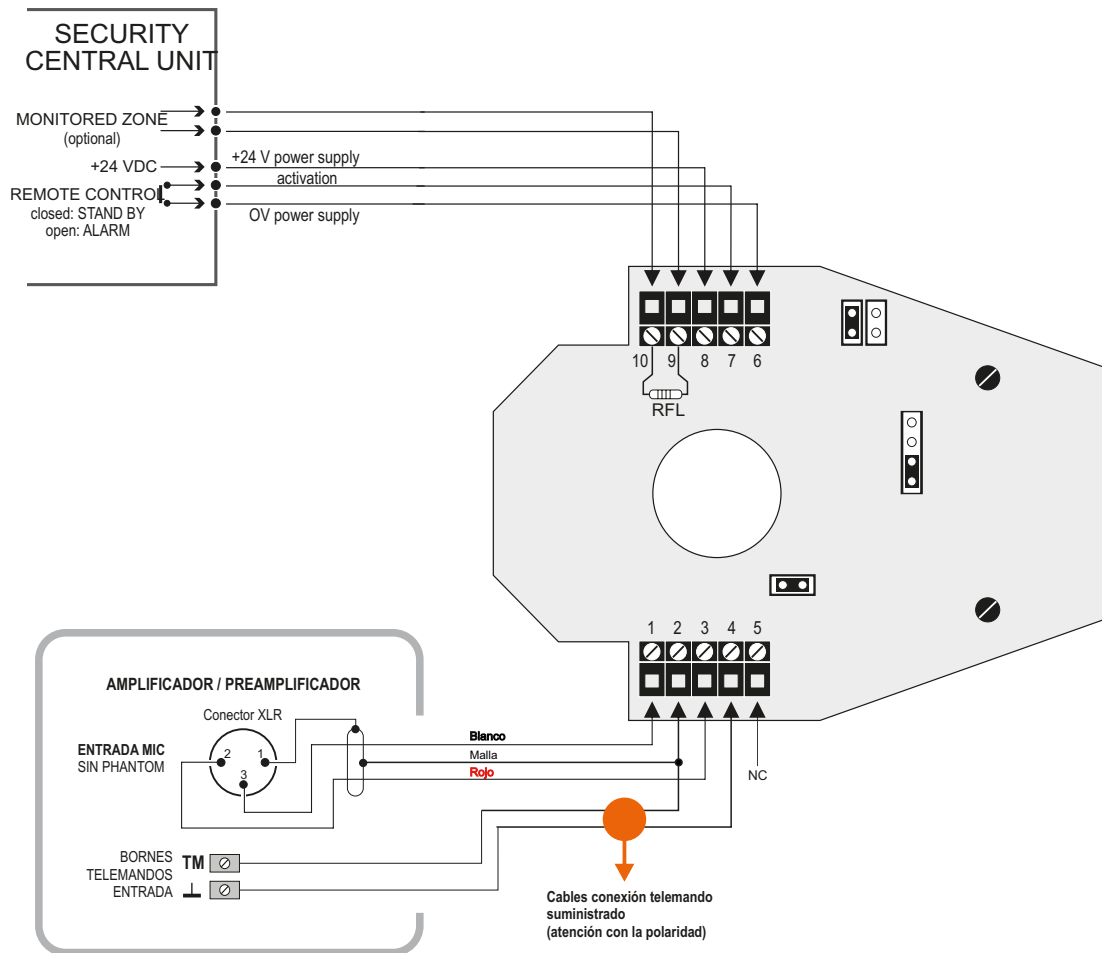

Figure 5

EXTERNAL POWER SUPPLY CONNECTION

Figure 6

Figure 7

CONNECTION WITH A FIRE DETECTION SYSTEM

SECURITY CENTRAL UNIT

MONITORED ZONE (optional)

+24 VDC

REMOTE CONTROL
closed: STAND BY
open: ALARM

+24 V power supply
activation

OV power supply

10 9 8 7 6

RFL

1 2 3 4 5

AMPLIFICADOR / PREAMPLIFICADOR

Conector XLR

ENTRADA MIC
SIN PHANTOM

Blanco
Malla
Rojo

NC

BORNES TELEMANDOS ENTRADA

TM

Cables conexión telemando suministrado (atención con la polaridad)

Recommendation:
Between terminals 9 and 10 of microphone, one end of line resistance is connected (RFL= 4K7 / 1W). This allows to the security central unit to detect the disconnection of the microphone console.