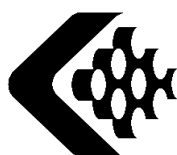


USER GUIDE EXPLOSION-PROOF TELEPHONES
ATEX – GASES AND DUSTS
TYPE 227A1
⊕ IM2 FOR GROUP I
MINING
OR
⊕ II 2GD FOR GROUP IIC AND IIIC
GASES AND DUSTS



Groupe LE LAS
COMMUNICATING IN SAFETY

*THE GUARANTEE ONLY APPLIES WHERE THE PRODUCT IS INSTALLED AND OPERATED STRICTLY IN ACCORDANCE WITH INSTRUCTIONS AS DEFINED IN THIS MANUAL
 NO GUARANTEE CAN BE INVOKED IN THE EVENT OF A DETERIORATION RESULTING FROM EXTERNAL FACTORS DUE TO LACK OF ADHERENCE TO*

EXPLOSIONPROOF TELEPHONES 227A TYPE

EQUIPMENT FOR INDUSTRIAL SITES - EXPLOSIONPROOF TELEPHONES

GROUPE I - FOR THE CATEGORIE IM2

(Mining Grisouteuses)

OR

GROUPE IIC – IIIC FOR THE CATEGORIE II2GD

(Gases and Dusts)

ZONES 1 & 2 / 21 & 22

MARQUAGE

Marking comprise the following indication :

- Address : LE LAS
99 RUE ALEXANDRE FOURNY
F94500 CHAMPIGNY SUR MARNE - FRANCE
- Marking : CE0080
- Type designation : 227A1
- Year of construction : 201-
- Specific marking :  **IM2** (For group I)
OR
 **II2GD** (For IIC group)
(Gases and Dusts)
- Complementary marking : **Ex e ib mb I Mb** (For mining)
Or
Ex e ib mb IIC T5 Gb categorie II2G (IIC group)
Ex ib tb IIIC T100°C Db IP65
- Certificat of conformity : INERIS 03ATEX0118X
- Ambient temperature of use : Tamb. = -40°C to +60°C
- Electrical Characteristic : **see special conditions page 4**

REMARQUE

THIS PRODUCT CONFORMS TO WEATHERPROOF PROTECTION
CLASSIFICATION IP65

CAUTION!

EACH AND EVERY COMPONENT PART IS INTEGRAL TO THE METHOD
OF PROTECTION AND CANNOT BE MODIFIED IN ANY WAY WHATSOEVER,
INCLUDING THE CABLE ENTRIES.

IN THE DESIRE FOR CONSTANT IMPROVEMENT, THE INFORMATION CONTAINED IN THIS DOCUMENT
AND THE CHARACTERISTICS OF THE EQUIPMENT MAY BE SUBJECT TO MODIFICATIONS
WIHTOUT PRIOR NOTICE

EUROPEAN STANDARDS

UNITS BEARING THE CODE "CE" CONFORM TO EMC DIRECTIVE (2014/30/EU)
AND THE DIRECTIVE RELATING TO LOW VOLTAGES(2014/35/EU)

FORMULATED BY THE EUROPEAN COMMUNITY

UNITS BEARING THE CODE "E X" CONFORM TO ATEX DIRECTIVE (2014/34/EU)

AND CONFORM TO EUROPEAN STANDARDS

FOR CATÉGORIE II2GD

EN 60079-0 - 2009, EN 60079-7 - 2007, EN 60079-11 - 2012, EN 60079-18 - 2009, EN 60079-31 - 2009

AGRÉMENT ART N° 98667P OF 29 JUILLET 1998

IMPORTANT

THE FIRST CUT OVER INTO SERVICE SHOULD BE CARRIED OUT BY ENGINEERS WITH ADEQUATE AND APPROPRIATE TRAINING IN RESPECT OF HAZARDOUS AREAS.

ANY REPAIR OR MODIFICATION OF THE UNIT BY THE USER IS NOT ALLOWED WITHOUT A FORMAL MANUFACTURER AGREEMENT.

MARKING IN ACCORDANCE WITH ATEX DIRECTIVE ATEX 2014/34/EU

Marking comprise the following indication :

- Adress : **LE LAS**
99, Rue Alexandre Fourny
F94500 Champigny sur Marne
- Marking : **CE0080**
- Type designation : **227A1**
- Year of construction : **201-**
- Specific marking :  **IM2** (For group I)
Or
 **II2GD** (For IIC groupe)
(Gases and Dusts)
- Complementaire marking : **Ex e ib mb I Mb** (For mining)
Or
Ex e ib mb IIC T5 Gb categorie II2G (IIC group)
Ex ib tb IIIC T100°C Db IP65
- Certificat of conformity : **INERIS 03ATEX0118X**
- specification : **AVERTISSEMENT : NE PAS OUVRIR SOUS TENSION**
WARNING : DO NOT OPEN WHILE ENERGIZED
- Ambient temperature of use : **Tamb. = -40°C < Ta < +60°C (T5)**
- Electrical characteristics : **Umax.= 60Vcc – Imax. = 80Ma. – Pmax. 1.2W**
- Product reference
- Serial number

Compliance with the essential safety requirements defined in Annex II to Directive 2014/34/EU of February 26, 2014, is obtained by the equipment conforms to standards :

For Gases:

- EN 60079-0 of 2009
- EN 60079-7 of 2007
- EN 60079-11 of 2012
- EN 60079-18 of 2009

For Dusts :

EN 60079-31 of 2009

SET-UP / USAGE

The following instructions should be read in conjunction with :

- 1- standard NF C 15 100.
- 2- standard EN 60 079-14 (electrical installations in gaseous explosive atmospheres).
- 3- standard EN 60 079-17 (inspection and maintenance in hazardous environments).
- 4- standard EN 60079-31
Explosive atmospheres – electrical equipment for use in the presence of inflammable dust.
Part 31: encapsulated electrical equipment – selection, installation and maintenance).
- 5- standard EN 60079-11 (protection by intrinsic safety « i »)
- 6- Decrees, orders laws directive, applications circulars, standards, rule – book and every other document regarding the location of its installation.

Lack of observance of these elements would not be our responsibility.

Installation of the equipment must be carried out by qualified competent experienced staff.

You should ensure compatibility between the indications figuring on the instruction plaque, the explosive atmosphere present, the zone of voltage and the ambient and surface temperatures

SPECIAL CONDITIONS

Type 227A telephone must be powered from a voltage source certified for use in potentially explosive atmospheres such as group IIC and its output circuit recognized intrinsically safe.

The output characteristics of the source must be at most equal to:

$$U_{max.} = 60V ; I_{max.} = 80mA ; P_{max.} = 1,2W$$

Ambient temperature of the unit should be between:

$$-40^{\circ}C \text{ and } +60^{\circ}C (T5)$$

MAINTENANCE INSTRUCTIONS

The verification of the following items must be checked at least once a year.

- The outdoor equipment and surfaces must not be damaged.
It is not allowed to operate the phone in a degraded state.
- Check for loose terminals and other connections, rewire if necessary.
- Before closing, check the seal housing, cleanliness, its state and its implementation.
- Check that cover is in place on the housing and held by 3 closing screws.
- Check the tightening of the gland on the cable or cables to seal.
- Use a damp rag to clean the outside of the unit

WARNING

NEVER USE SOLVENTS OR SHARP OBJECTS.

IF A PROBLEM

- Refer to the instructions supplied with the device, if see after-sales service from the manufacturer or return the unit at the following address:

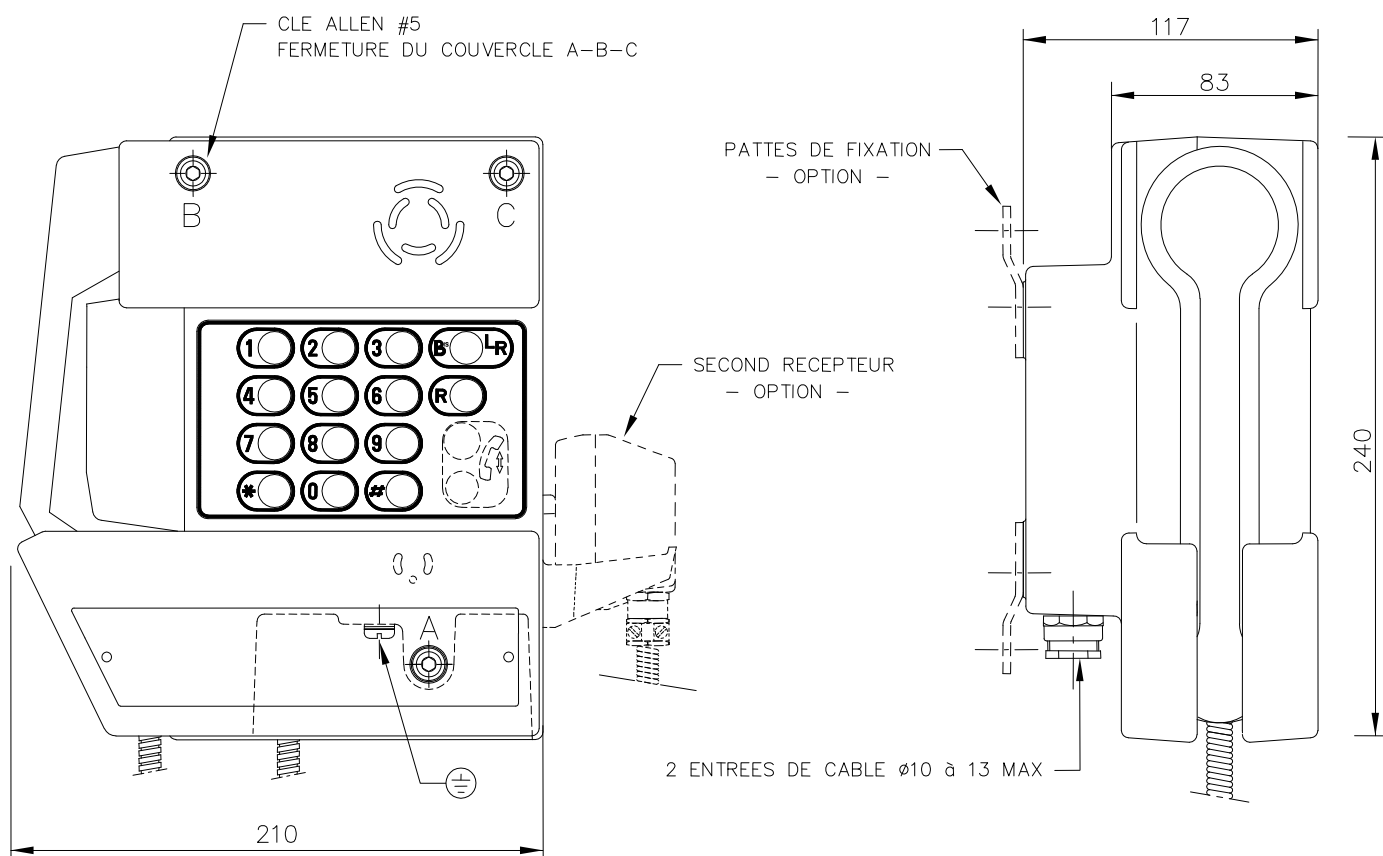
LE LAS
99 RUE ALEXANDRE FOURNY
F94500 CHAMPIGNY SUR MARNE - FRANCE

INSTALLATION

DIMENSIONS DRAWING

In order to access the circuit of set, unscrew the 4 fixation screws in the front face by the order A B C without with drawing them (captive screws) by the help of tools ALLEN #5.

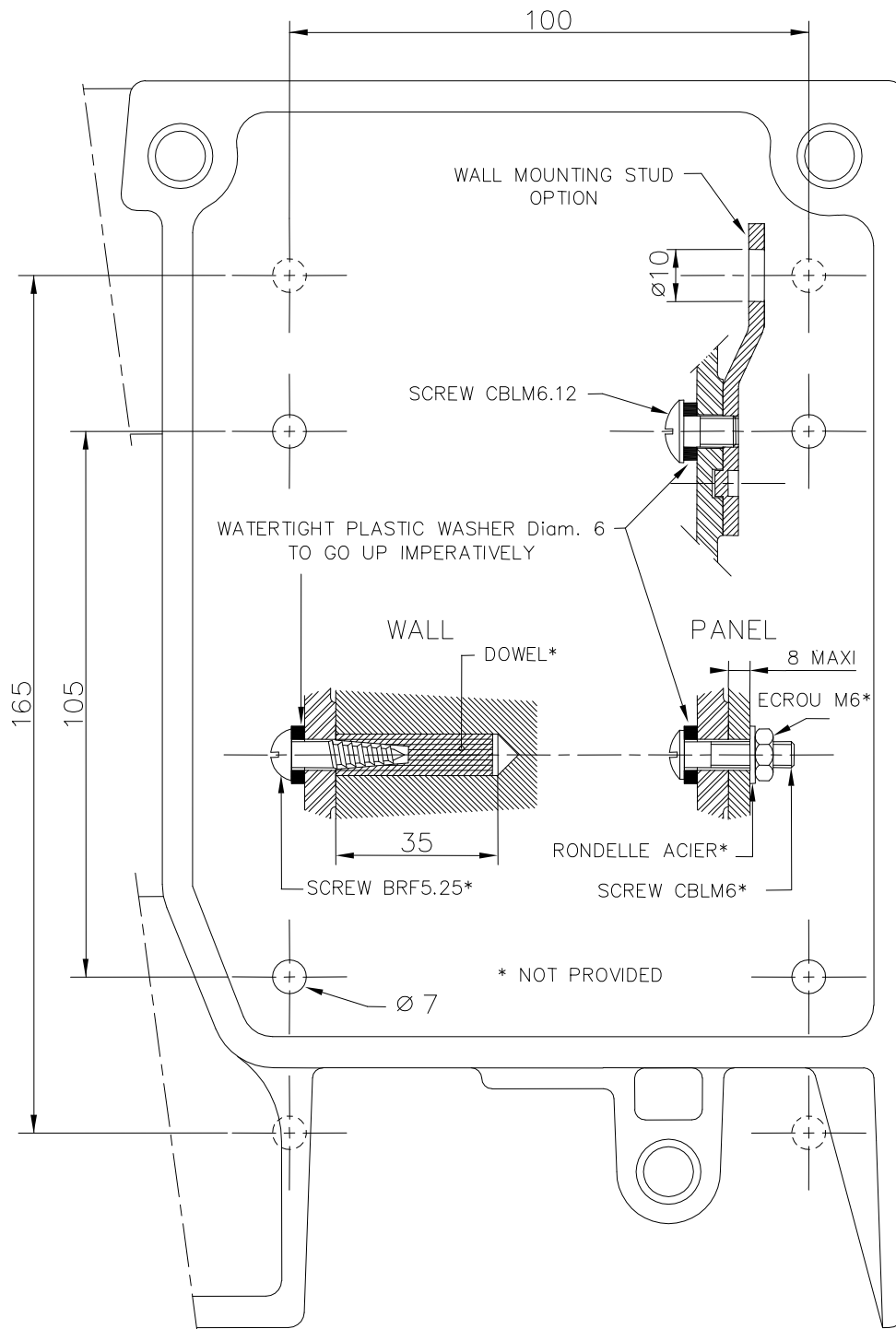
In order to close the set, correctly put on 2 sides of the post and tighten the 3 screws in the order of A,B,C without forcing.



FIXING AND SEALING OF SET

The wall mounting of telephone can be effected by 4 points (105x100mm). The diameter of the drilled hole depends on the employee screw. (Ø6 max) and must choose accordingly depending on the type of material of support (steel, wood, concrete plaster, etc ..).

Drilling a correct locations with the help of a drill Ø6.



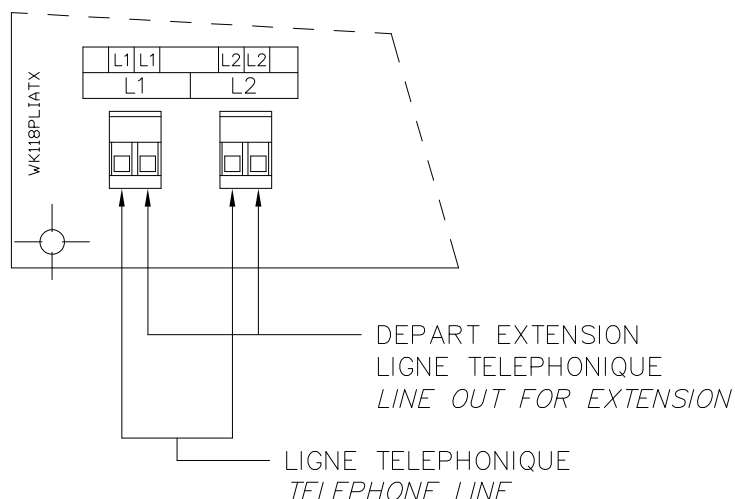
Tailoring the diameters of cables with diameters of knockouts (Ø10 to Ø13 Maxi) and tighten them correctly.

*** Screws not included, preferably use stainless steel screws.**

CONNECTION

Connection of the telephone to the line is carried out on the intrinsic safety card WK098PLIATX via the connector which can be embedded and lockable.

- Connect the line to terminals L1 and L2 which are doubled to connect extensions.
The terminals accept son of a single or multi-section 1.5mm² max



- Connect the telephone line to terminals L1 and L2.
- Connect the earth on the screw on the underside of the housing.

Refit the front panel on the case by ensuring proper place 2 sides and tighten the four locking screws in the order A, B, C.

**consult the user guide and programming of the phone card Ref: NFC205 CMA
provided with the equipment**

METHODE OF USE

The line is seized automatically by lifting the handset.

- Lift the handset.
- Wait for the beep.
- Dial the number on the keypad.

Finally conversation hang up or press the Talk key*.

* *hand free version TLA227A1AT*

GROUPE LE LAS - PARIS

FRANCE

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Edition E : 02.09.2019