INSTRUCTION GUIDE POST TELEPHONE
ATEX - GAS AND DUST
TYPE 229A1 / A2 Ex II 2GD

Guide détaillé disponible sur notre site web : www.lelas.fr
Comprehensive guide available on our website: www.lelas.fr

Groupe LE LAS

COMMUNICATION SOUS HAUTE PROTECTION
COMMUNICATING IN SAFETY

LA GARANTIE NE S'APPLIQUE QUE DANS LES CONDITIONS D'INSTALLATION ET DE FONCTIONNEMENT STRICTEMENT DEFINIES DANS CE MANUEL.
AUCUNE GARANTIE NE PEUT ETRE MISE EN ŒUVRE SI LA DETERIORATION RESULTE D'UNE CAUSE ETRANGERE
A L'APPAREIL OU DU NON RESPECT DES PRESCRIPTIONS D'UTILISATION.
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

TELEPHONE POST FOR EXPLOSIVE ATMOSPHERES
EQUIPMENT CATEGORY II2GD.
ZONE 1 / 2 - 21 / 22

EQUIPMENT FOR INDUSTRIAL SITES IN AREA AT RISK

LABELING

The labeling shal include the following information:

- Adresse : LE LAS
  34/36 RUE ROGER SALENGRO
  F94120 FONTENAY SOUS BOIS - FRANCE
- The Labeling : CE0080
- Designation type : 229A1 / A2
- Manufacturing year : 201-
- Specific labeling : **II 2 GD**
- Additional marking : Ex e ib mb IIC T5 Gb
  Ex ib tb IIIC T100°C Db IP64
- Certificate of Compliance : INERIS 09ATEX0074
- Certificate of Compliance IECEx : IECEx INE 14.0004
- The ambient operating temperature : Tamb. = -40°C à +60°C (version type 229A1)
- The ambient operating temperature : Tamb. = -20°C à +60°C (version type 229A2)
- Voltage and current ratings : **see special conditions page 5**

REMARQUE

THIS PRODUCT MEETS THE DEGREE OF PROTECTION IP64
EACH COMPONENT IS PART OF OPERATING
PROTECTION AND CANNOT BE MODIFIED
INCLUDING CABLE ENTRY.
WARRANTY APPLIES ONLY IN TERMS OF INSTALLATION
AND OPERATING STRICTLY DEFINED HEREIN.
NO GUARANTEE CAN BE IMPLEMENTED
IF THE DAMAGE RESULTS FROM ANY FOREIGN CAUSE
OF THE UNIT OR FAILURE TO COMPLY WITH REQUIREMENTS OF USE.

IN ORDER TO IMPROVE THE INFORMATION CONTAINED IN
THIS DOCUMENT AND THE CHARACTERISTICS OF MATERIALS MAY
BE SUBJECT TO CHANGE WITHOUT NOTICE.

EUROPEAN STANDARDS

UNITS MARKED "CE" ARE CONFORM TO THE EMC DIRECTIVE (2014/30/EU)
THE DIRECTIVE ON LOW VOLTAGE (2014/35/EU)
MADE BY THE EUROPEAN COMMUNITY

UNITS MARKED "**EX**" COMPLY WITH DIRECTIVE ATEX 2014/34/EU
AND COMPLIANCE WITH INTERNATIONAL STANDARDS
FOR CATEGORY II2GD

FOR GAS:
IEC 60079-0 : 2011 / EN 60079-0 : 2009/2012
IEC 60079-7 : 2006 / EN 60079-7 : 2007
IEC 60079-11 : 2011 / EN 60079-11 : 2012
IEC 60079-18 : 2009 / EN 60079-18 : 2009

FOR DUST:
IEC 60079-31 : 2008 / EN 60079-31 : 2009

IMPORTANT

THE FIRST COMMISSIONING MUST BE MADE BY A COMPETENT COMPANY FACILITY IN AREA AT RISK.

ANY ACTION OR MODIFICATION OF THE UNIT IS PERMITTED BY YOU WITHOUT PERMISSION FROM THE MANUFACTURER.

TELEPHONE UNIT TYPE 229A1

Tamb. = -40°C < Ta < +60°C

MARKING FOLLOWING THE DIRECTIVE 2014/34/EU

The marking shall include the following information:

- Adress : **LE LAS**
  34/36, Rue Roger Salengro
  F94134 Fontenay sous Bois
- marking : **CE0080**
- Type designation: **229A1**
- Building years : **201-**
- Specific marking : **II2GD** (Dust and Gas)
- Complementary marking : **Ex e ib mb IIC T5** Gb
  Ex ib tb IIIC T100°C Db IP64
- ATEX certificate N°: **INERIS 09ATEX0074**
- IECEx certificate N°: **IECEx INE 14.0004**
- Specification : ATTENTION: NE PAS OUVRIR SOUS TENSION
  WARNING : DO NOT OPEN WHILE ENERGIZED
- Ambient temperature usage : **Tamb. = -40°C < Ta < +60°C (T5)**
- Electric caracteristic : **Umax.= 60Vcc – Imax. = 80Ma. – Pmax. 1.2W**
- Reference product
- Serial number

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

FOR GAS:
IEC 60079-0 : 2011 / EN 60079-0 : 2009/2012
IEC 60079-7 : 2006 / EN 60079-7 : 2007
IEC 60079-11 : 2011 / EN 60079-11 : 2012
IEC 60079-18 : 2009 / EN 60079-18 : 2009

FOR DUST:
IEC 60079-31 : 2008 / EN 60079-31 : 2009

TELEPHONE UNIT TYPE 229A2

Tamb. = -20°C < Ta < +60°C

MARKING FOLLOWING THE DIRECTIVE 2014/34/EU

The marking shall include the following information:

• Adress :	**LE LAS** 34/36, Rue Roger Salengro F94134 Fontenay sous Bois
• Marking :	**CE0080**
• Type designation:	**229A2**
• Building years:	**201-**
• Specific marking:	**II2GD** (Dust and Gas)
• Complementary marking:	**Ex e ib mb IIC T5** Gb **Ex ib tb IIIC T100°C Db IP64**
• ATEX certificate N°:	**INERIS 09ATEX0074**
• IECEx certificate N°:	**IECEx INE 14.0004**
• Specification :	ATTENTION: NE PAS OUVRIR SOUS TENSION WARNING : DO NOT OPEN WHILE ENERGIZED
• Ambient temperature usage :	**Tamb. = -20°C < Ta < +60°C (T5)**
• Electric caracteristic:	**Umax.= 60Vcc – Imax. = 80Ma. – Pmax. 1.2W**
• Reference product	
• Serial number	

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

FOR GAS:
IEC 60079-0 : 2011 / EN 60079-0 : 2009/2012
IEC 60079-7 : 2006 / EN 60079-7 : 2007
IEC 60079-11 : 2011 / EN 60079-11 : 2012
IEC 60079-18 : 2009 / EN 60079-18 : 2009

FOR DUST:
IEC 60079-31 : 2008 / EN 60079-31 : 2009

COMMISSIONING / OPERATION

The following instructions should be read in conjunction with:

- NFC 15 100 : 2010

- EN 60 079-14 : 2008 / IEC 60 079-14 : 2007 (electrical installations in explosive gas atmospheres)

- EN 60 079-17 : 2008 / IEC 60 079-17 : 2007 (inspection and maintenance in hazardous locations)

- EN 60 079-18 : 2009 / IEC 60 079-18 : 2009 (electrical equipment designed for use in presence of combustible dust.)

- Decrees, orders, laws, guidelines, circulars applications, standards, code of practice and any other documents relating to its installation site.

Non-compliance of these do not engage our responsibility. Hardware installation should be performed by trained, qualified and skilled personnel.

Ensure compatibility between the information on the nameplate, the explosive atmosphere, the usage and ambient temperature and surface area.

SPECIAL CONDITIONS

Type 229A 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:

Umax. = 60V ; Imax. = 80mA ; Pmax. = 1,2W

Ambient temperature of the Unit should be between:

- **for version 229A1 :** -40°C et +60°C (T5)
- **for version 229A2 :** -20°C et +60°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 4 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.

IN CASE OF PAINTED UNIT, DO NOT MODIFY OR RECOVER THE EXISTING ONE.

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
34/36 rue ROGER SALENGRO
F94134 FONTENAY SOUS BOIS – France

IMPORTANT

NO ACTION, REPAIR OR MODIFICATION OF THE APPLIANCE IS PERMITTED BY YOU WITHOUT THE AGREEMENT OF MANUFACTURER

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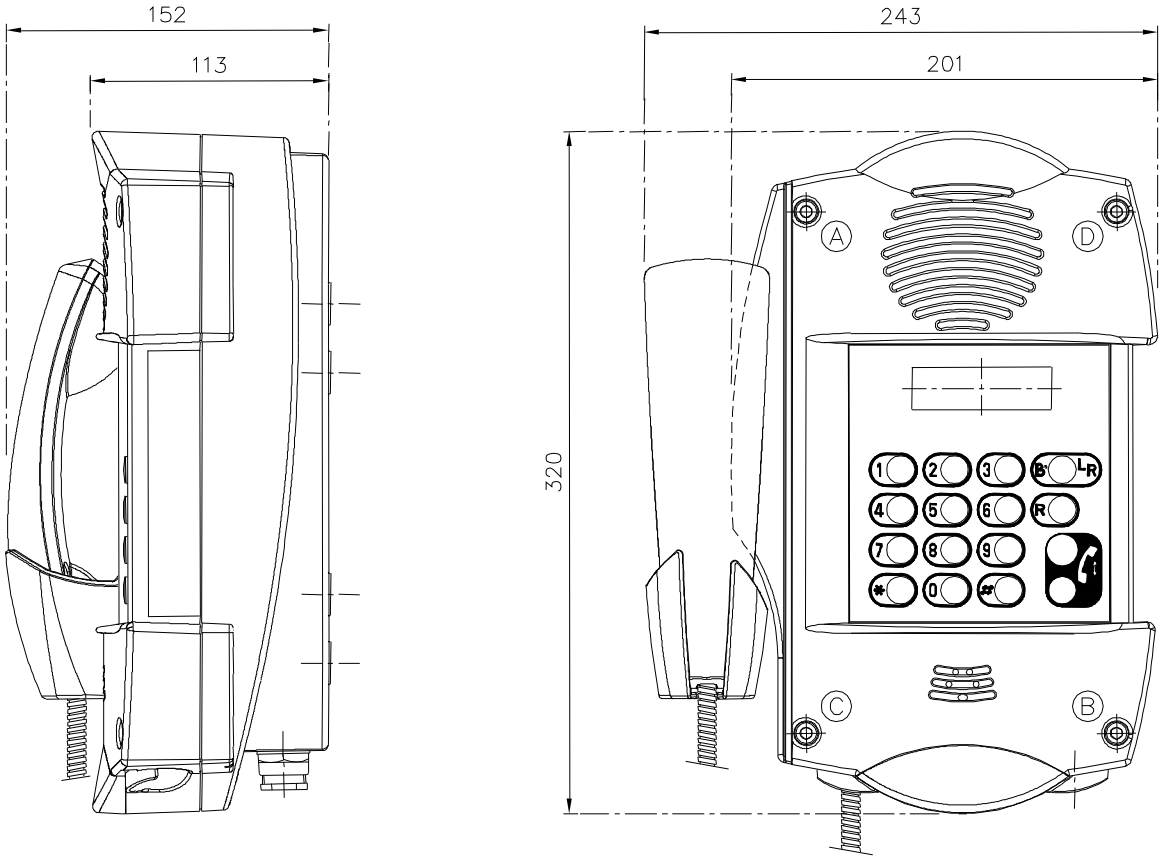
INSTALLATION

DIMENSIONS OF TELEPHONE SET

NOTE: We strongly recommend the use of a cordless screwdriver set with a torque "medium / high" (5 Nm MAX), especially to close the case, in order to ensure uniform compression of the gasket sealing of the case in the order A B C D.



Prior disassembly before installation

To install and have access to the telephone system, unscrew the four mounting points of the front (ABCD)* using an ALLEN key diam.5 then remove the front case watching not to damage the components internal.

* ABCD: screwing order to follow when closing the front of the station to ensure optimum compression of the gasket.

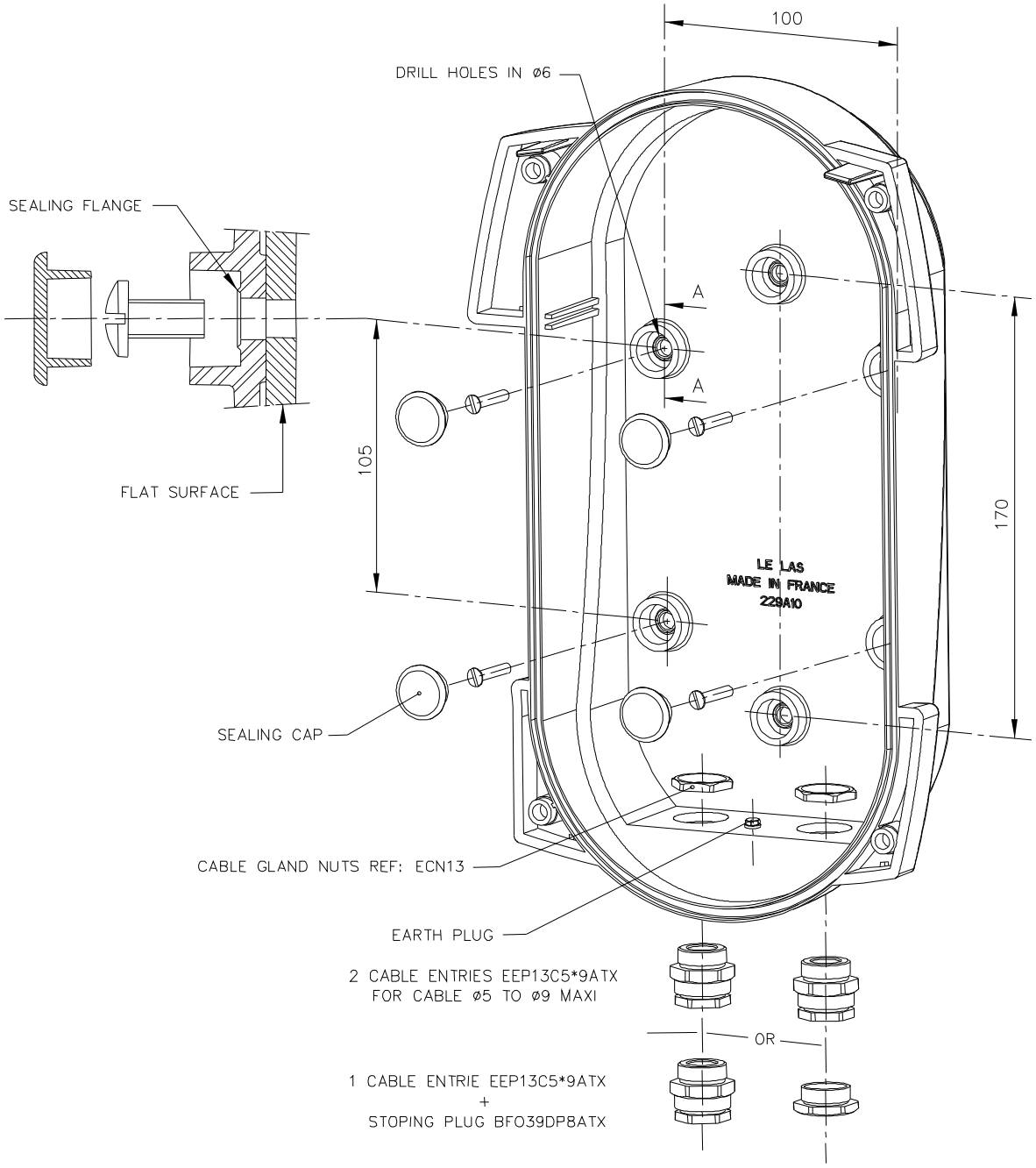
- Get inside the plastic bag with the 4 sealing washers for fastening the box.
- Assemble the housing preferably on a flat surface.
- Comply with the assembly drawing below and the sealing washers Ø6 **must be** used.
  NOTE: We recommend the use of stainless steel screws with washers.

WALL MOUNT HOUSING

Wall mounting of the post can be done in 2 points (vertical axis 170mm) or in 4 points (105x100mm) on a flat surface.

- Drill locations chosen (2 or 4 holes) with the help of a Ø6 drill.
- Attach the box on a flat surface with Ø6 screws.
  Tighten the screws to crush the sealing flange located at the bottom of the slots.
- Place the caps on the locations with screws.

Fit the sealing plugs in locations of the screws.

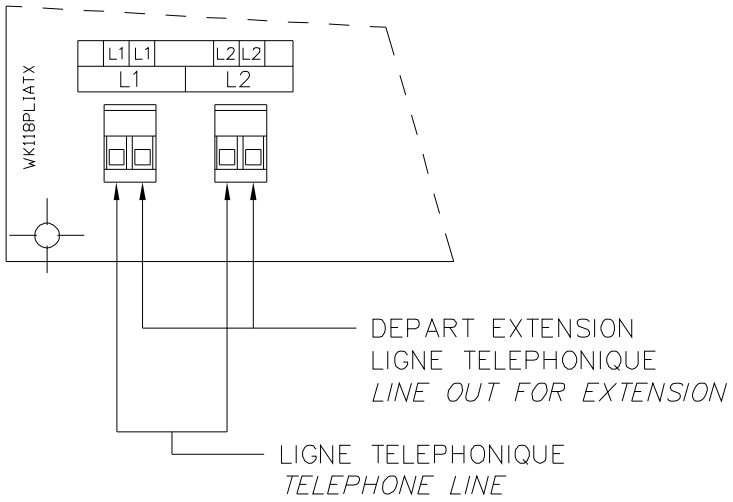


- Adjust cable diameters to the diameters of cable glands (Ø 5 to 9 Max) and tighten properly.

CONNECTION

Connecting the station to the telephone line is made on the card coated WK098PLIATX protection by intrinsic and lockable plug connector (for increased security).

Connect the telephone line terminals L1 and L2, which are doubled for easy extensions.
The connection terminals admit multiple or single wire with a maximum section of 1.5mm ².



- Connect the telephone line terminals L1 and L2.
  Connect ground.

Refit the front panel on the case ensuring put the two sides
properly and tighten the 4 locking screws in the order A, B, C and D.

UTILIZATION

The dialing is done automatically by lifting the handset.

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

Ending a conversation hang up or press the line key.

NOTES

LE LAS

ÉLECTRONIQUE - TÉLÉPHONIE - SIGNALISATION
ELECTRONICS - TELEPHONES - SIGNALLING

34-36, RUE ROGER SALENGRO - 94134 FONTENAY-SOUS-BOIS CEDEX
Téléphone : (33) 01 48 76 62 62 - Télécopie (FAX) : (33) 01 48 76 83 04
E-mail : lelas@lelas.fr - www.lelas.fr

DECLARATION UE DE CONFORMITE
EU DECLARATION OF CONFORMITY

DDC
229A1/A2GD/02

Je déclare que les appareils destinés à être mis sur le marché afin d'être utilisés en atmosphères explosibles **en présence de poussières combustibles, désignés** ci-après :
I hereby declare that the items of equipment destined to be placed on the market for use in explosive atmospheres, designated as follows :

POSTE TELEPHONIQUE BLINDE ETANCHE TYPE 229A1/A2
ARMOURED WEATHERPROOF TELEPHONE TYPE 229A1/A2

- Pour Gaz (pour le groupe IIC) / *For Gas (for IIC group)* : CE 0080 Ex II2G – Ex e ib mb IIC T5 Gb
- Pour les poussières / *For Dust* : CE 0080 Ex II2D – Ex ib tb IIIC T100° Db IP64
- T° ambiante version **type 229A1**/ *ambient T°* :- 40°C ≤ Ta ≤ + 60°C
- T° ambiante version **type 229A2**/ *ambient T°* :- 20°C ≤ Ta ≤ + 60°C
- Indice de protection / *Safety classification* : IP64

satisfont aux dispositions de la directive 2014/34/ UE / *meet the requirements of the provisions of directive 2014/34/EU*
aux normes / *standards* :

Pour les gaz / *for gas*:
EN 60079-0 : 2009 / 2012
EN 60079-7 : 2007
EN 60079-11 : 2012
EN 60079-18 : 2009

Pour les poussières / *for dust*:
EN 60079-0 : 2009 / 2012
EN 60079-31 : 2009

- aux variantes issues du type, et représentatives de la gamme ayant fait l'objet de l'attestation CE de type N°INERIS 09ATEX0074 (conformément à l'annexe II) et notification de l'évaluation du système qualité n° 03 ATEX Q725 (conformément à l'annexe VII) délivré par l'organisme notifié : INERIS (0080) parc technologique ALATA - F-60550 Verneuil en Halatte France.
- *variants originating from this type and samples of the range of products which has been received the EC-Type Examination Certificate INERIS 09ATEX0074 (in accordance with Appendix II) and the quality system evaluation notification n° 03 ATEX Q725 (in accordance with Appendix VII) issued by notified organisme:* INERIS (0080) parc technologique ALATA - F-60550 Verneuil en Halatte France.

Sous réserve d'une utilisation conforme à leur destination et/ou d'une installation conforme aux normes en vigueur et/ou au recommandations du constructeur.
Subject to use for the purpose for which they were designed and/or installed in accordance with standards in force and/or with the manufacturer's recommandations.

L'appareil désigné a été conçu, fabriqué et contrôlé dans le cadre d'un système d'assurance qualité certifié conforme à :
The said product has been designed, manufactured and controlled within the guidelines of a quality insurance system which is certified to be in accordance with :

EN ISO 9001 : 2008

Par TUV SUD BABT / *By TUV SUD British Approvals Board for Telecommunications (BABT)*
Certificat n° / Certificate n° 9028

Sont conformes aux prescriptions de la TBR21 de Mai 1999 et à la directive R&TTE 2014/53/UE
Conform to the TBR21 of May 1999 specifications and to the terminals directive R&TTE 2014/53/EU

Conforme en matière de sécurité électrique et compatibilité électromagnétique (conforme à l'article 10 des directives 2014/35/UE et 2014/30/UE).
Conform in respect of electrical safety and electromagnetic compatibility (in conformance with Article 10 of Directives 2014/35EU and 2014/30/EU).

- Sécurité électrique / Electrical safety : EN 60950 de Septembre 2006 / *EN 60950 september 2006*
- Compatibilité électromagnétique / Electromagnetic compatibility
  EN 55022 de Mars 2007 et EN 61000-6-1 de Mars 2007 (postes analogiques) / *EN 55022 March 2007 and EN 61000-6-1 March 2007 (analogue telephones)*

Fontenay sous Bois, le 20 Avril 2016

Alain RIGAULT
Président Directeur Général

GROUPE LE LAS - PARIS

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Edition C : 20.04.2016