

DATASHEET - TLA 229 A EXPLOSION PROOF PHONE

PABX & TELEPHONE SYSTEM EQUIPMENT



ATEX / IECEx Certified



- zone 1 & 2
- zone 21 & 22

DESCRIPTION - TLA 229 A Range Explosion Proof Telephone

The TLA 229 A type telephone is design for hazardous environments and meets industrial and offshore requirements. The GRP enclosure with special treatment is designed to withstand most chemical and environmental hazards found on - or offshore.

The TLA 229 A range phone can integrated with different communication solutions. It can work as standard analog phone by connect to standard PBX, or it can become intercom by connect to LE LAS's **TELSON** box or center exchange.

MECHANICAL DATA

• Housing/Handset	Glass Fiber Reinforced Polyester (GRP)
• Handset cord:	Stainless steel 100kg resistance
• Mounting:	Wall or Pole
• Diameter	201 X 320 X 113 mm
• Cable Entry	2 x Eex cable glands for cable Ø5-9mm
• Connection	Inside screw connections
• Weight	Approx. 2.3 kg
• Color	Black for back cover, orange for front cover

ELECTRICAL DATA

• Direct current supply:	12 to 60 Vdc
• Consumption:	< 40mA
• Ringing voltage:	35 – 90 Vac
• Dialing:	DTMF/pulse
• Flashing/earth:	Adjustable
• Electronic Bell:	84 to 92 dB @1M base on model
• Hook:	Magnetic
• Conversation Mode:	By handset
• Noise cancelling:	Noise cancelling circuit

ENVIRONMENT

• Ambient temperature during operation	-40 °C to + 60 °C (Version A1) -20 °C to + 60 °C (Version A2)
• Relative humidity (non -condensing)	Max. 95 %
• Degree of protection	IP66/67
• Certification	ATEX em [ib] ib II C T5 ATEX Ex ib tb IIIC T100°C Db

ORDER NUMBER	DESCRIPTION
TLA 229 A1	Analog phone with 14 buttons keypad,handset, work temp -40°C to 60°C
TLA 229 A1L	Analog phone with 14 buttons keypad, handset, display,work temp -40°C to 60°C
TLA 229 A2	Analog phone with 14 buttons keypad,handset,work temp -20°C to 60°C
TLA 229 A2L	Analog phone with 14 buttons keypad, handset, display, work temp -20°C to 60°C

DATASHEET - TLA 229 A EXPLOSION PROOF PHONE

PABX & TELEPHONE SYSTEM EQUIPMENT

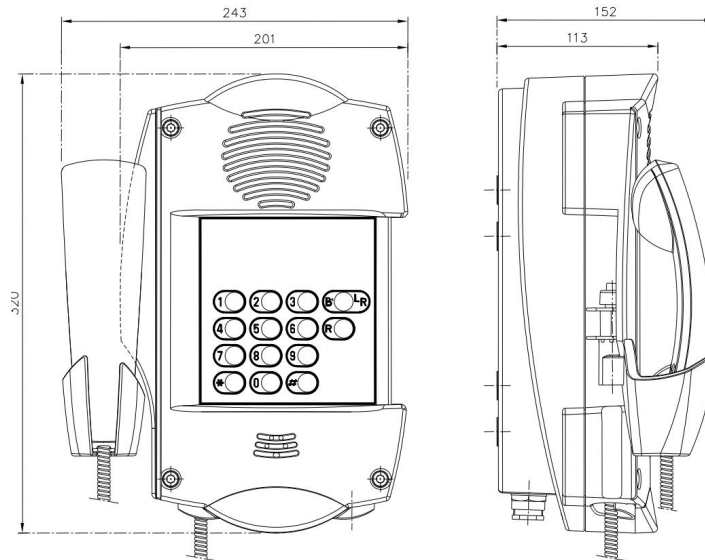


Fig. 1: Dimensional drawing TLA 229 A

FIXATION INTERIEURE DRILLING FOR MOUNTING FROM INSIDE

2 MODES DE FIXATION / 2 FIXING METHODS

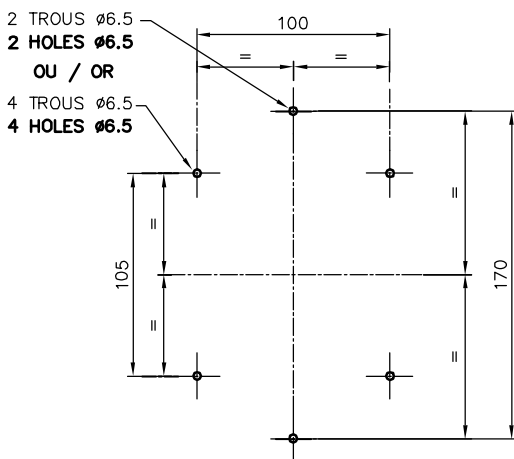


Fig. 2: Fixation

RACCORDEMENT WIRING

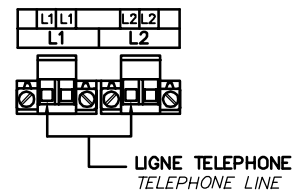


Fig. 3: Connection

SPARE PARTS LIST

Telephone Card Pulse/Tone	Ref: WK205CMAATX
Intrinsic Safety Card	Ref: WK098PLIATX
Keypad Card	Ref: WK163CL9
2 Eex cable entries for cable ø5-9mm	Ref: EEL13C5*9ATX
Light alloy handset	Ref: MS436A17G68

This equipment is supplied with a 2 year warranty against defective workmanship

MAIN CONTACT : **TELEPHONES LE LAS** | ADDRESS: 99 RUE ALEXANDRE FOURNY, 94500 CHAMPIGNY - SUR-MARNE , FRANCE
TEL: +33(0)1 48 76 62 62 | FAX: +33(0)1 48 76 83 04 | WEB: www.lelas.fr | E-Mail: lelas@lelas.fr

HEADQUARTER : 99 RUE ALEXANDRE FOURNY / 94500 CHAMPIGNY - SUR-MARNE / FRANCE

PLEASE REFER TO OUR WEBSITE, PLEASE NOTE THAT WHILST EFFORT HAS BEEN MADE TO ENSURE THE ACCURACY OF THIS DATASHEET. LE LAS WILL NOT ASSUME LIABILITY FOR THE USE THEREOF. LELAS RESERVES THE RIGHT TO IMPROVE SPECIFICATIONS WITHOUT PRIOR NOTICE, PLEASE REFER TO OUR WEBSITE FOR UPDATED INFORMATION OR CONTACT OUR LOCAL SALES REPRESENTATIVE.

DATASHEET - TLC 229 A EXPLOSION PROOF PHONE

PABX & TELEPHONE SYSTEM EQUIPMENT



ATEX / IECEx Certified



- zone 1 & 2
- zone 21 & 22

DESCRIPTION - TLC 229 A Range Explosion Proof Telephone

The TLC 229 A type telephone is design for hazardous environments and meets industrial and offshore requirements. The GRP enclosure with special treatment is designed to withstand most chemical and environmental hazards found on - or offshore.

The TLC 229 A range phone can integrated with different communication solutions. It can work as standard hotline phone by connect to standard PBX.

MECHANICAL DATA

• Housing/Handset	Glass Fiber Reinforced Polyester (GRP)
• Handset cord:	Stainless steel 100kg resistance
• Mounting:	Wall or Pole
• Diameter	201 X 320 X 113 mm
• Cable Entry	2 x Eex cable glands for cable Ø5-9mm
• Connection	Inside screw connections
• Weight	Approx. 2.3 kg
• Color	Front panel RAL 2003 (Orange), black for back

ELECTRICAL DATA

• Direct current supply:	12 to 60 Vdc
• Consumption:	< 40mA
• Ringing voltage:	35 – 90 Vac
• Dialing:	By pick up handset
• Flashing/earth:	Non
• Electronic Bell:	90 dB @ 1M
• Hook:	Magnetic
• Conversation Mode:	By handset
• Noise cancelling:	Noise cancelling circuit

ENVIRONMENT

• Ambient temperature during operation	-40 °C to + 60 °C (Version A1) -20 °C to + 60 °C (Version A2)
• Relative humidity (non -condensing)	Max. 95 %
• Degree of protection	IP66/67
• Certification	ATEX em [ib] ib II C T5 ATEX Ex ib tb IIIC T100°C Db

ORDER NUMBER	DESCRIPTION
TLC 229 A1	Analog phone without keypad,with handset, work temp -40°C to 60°C
TLC 229 A1F	Analog phone without keypad, with handset, built-in led beacon for incoming call
TLC 229 A2	Analog phone without keypad,with handset,work temp -20°C to 60°C
TLC 229 A2F	Analog phone without keypad, with handset, built-in led beacon for incoming call

* Optional color : '3020' Red color for front cover of phone.

DATASHEET - TLC 229 A EXPLOSION PROOF PHONE

PABX & TELEPHONE SYSTEM EQUIPMENT

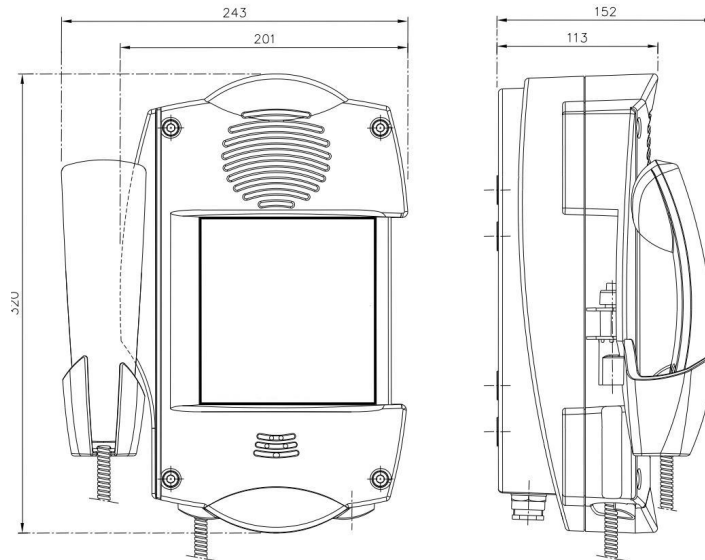


Fig. 1: Dimensional drawing TLC 229 A

FIXATION INTERIEURE DRILLING FOR MOUNTING FROM INSIDE

2 MODES DE FIXATION / 2 FIXING METHODS

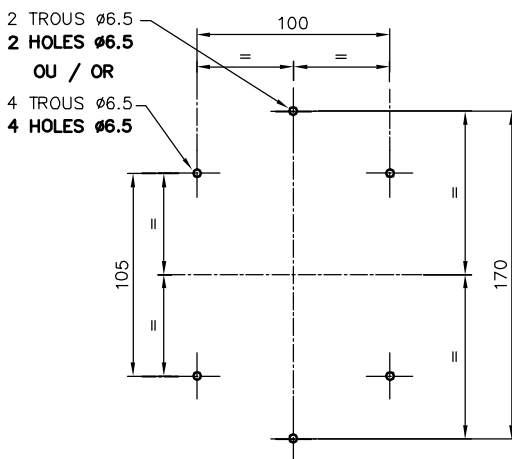


Fig. 2: Fixation

RACCORDEMENT WIRING

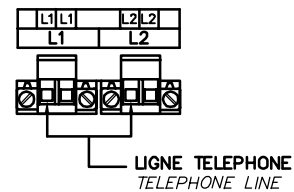


Fig. 3: Connection

SPARE PARTS LIST

Telephone Card Pulse/Tone	Ref: WK205CMAATX
Intrinsic Safety Card	Ref: WK098PLIATX
2 Eex cable entries for cable Ø5-9mm	Ref: EEL13C5*9ATX
Light alloy handset	Ref: MS436A17G68

This equipment is supplied with a 2 year warranty against defective workmanship

MAIN CONTACT : **TELEPHONES LE LAS** | ADDRESS: 99 RUE ALEXANDRE FOURNY, 94500 CHAMPIGNY - SUR-MARNE , FRANCE
TEL: +33(0)1 48 76 62 62 | FAX: +33(0)1 48 76 83 04 | WEB: www.lelas.fr | E-Mail: lelas@lelas.fr

HEADQUARTER : 99 RUE ALEXANDRE FOURNY / 94500 CHAMPIGNY - SUR-MARNE / FRANCE

PLEASE REFER TO OUR WEBSITE, PLEASE NOTE THAT WHILST EFFORT HAS BEEN MADE TO ENSURE THE ACCURACY OF THIS DATASHEET. LE LAS WILL NOT ASSUME LIABILITY FOR THE USE THEREOF. LELAS RESERVES THE RIGHT TO IMPROVE SPECIFICATIONS WITHOUT PRIOR NOTICE, PLEASE REFER TO OUR WEBSITE FOR UPDATED INFORMATION OR CONTACT OUR LOCAL SALES REPRESENTATIVE.

DATASHEET - TLC 229A/3020 EXPLOSION PROOF PHONE

PABX & TELEPHONE SYSTEM EQUIPMENT



ATEX / IECEX Certified



- zone 1 & 2
- zone 21 & 22

DESCRIPTION - TLC 229A/3020 Range Explosion Proof Telephone

The TLC 229 A type telephone is design for hazardous environments and meets industrial and offshore requirements. The GRP enclosure with special treatment is designed to withstand most chemical and environmental hazards found on - or offshore.

The TLC 229 A range phone can integrated with different communication solutions. It can work as standard hotline phone by connect to standard PBX.


MECHANICAL DATA

• Housing/Handset	Glass Fiber Reinforced Polyester (GRP)
• Handset cord:	Stainless steel 100kg resistance
• Mounting:	Wall or Pole
• Diameter	201 X 320 X 113 mm
• Cable Entry	2 x Eex cable glands for cable Ø5-9mm
• Connection	Inside screw connections
• Weight	Approx. 2.3 kg
• Color	Front panel RAL 3020 (Red), black for back

ELECTRICAL DATA

• Direct current supply:	12 to 60 Vdc
• Consumption:	< 40mA
• Ringing voltage:	35 – 90 Vac
• Dialing:	By pick up handset
• Flashing/earth:	Non
• Electronic Bell:	90 dB @ 1M
• Hook:	Magnetic
• Conversation Mode:	By handset
• Noise cancelling:	Noise cancelling circuit

ENVIRONMENT

• Ambient temperature during operation	-40 °C to + 60 °C (Version A1) -20 °C to + 60 °C (Version A2)
• Relative humidity (non -condensing)	Max. 95 %
• Degree of protection	IP66/67
• Certification	 ATEX em [ib] ib II C T5 ATEX Ex ib tb IIIC T100°C Db

ORDER NUMBER	DESCRIPTION
TLC 229 A1/3020	Analog phone without keypad,with handset, work temp -40°C to 60°C
TLC 229 A1F/3020	Analog phone without keypad, with handset, built-in led beacon for incoming call
TLC 229 A2/3020	Analog phone without keypad,with handset,work temp -20°C to 60°C
TLC 229 A2F/3020	Analog phone without keypad, with handset, built-in led beacon for incoming call

Photos are for reference only. The actual product color shall prevail.

DATASHEET - TLC 229A/3020 EXPLOSION PROOF PHONE

PABX & TELEPHONE SYSTEM EQUIPMENT

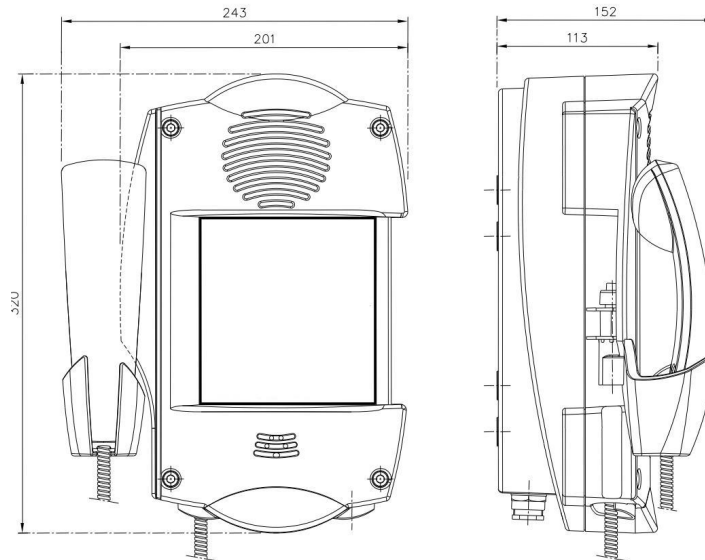


Fig. 1: Dimensional drawing TLC 229 A

FIXATION INTERIEURE DRILLING FOR MOUNTING FROM INSIDE

2 MODES DE FIXATION / 2 FIXING METHODS

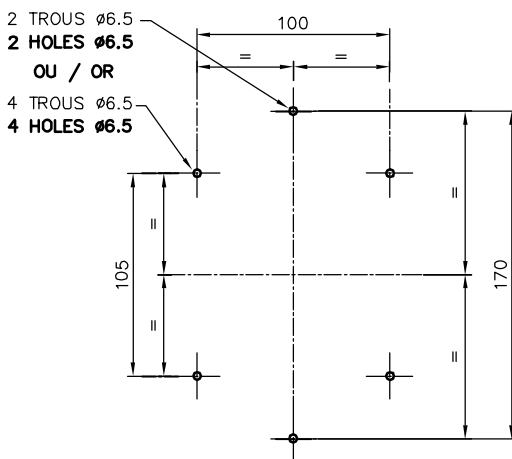


Fig. 2: Fixation

RACCORDEMENT WIRING

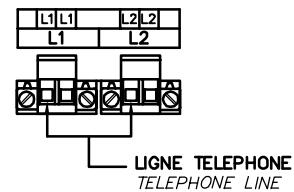


Fig. 3: Connection

SPARE PARTS LIST

Telephone Card Pulse/Tone	Ref: WK205CMAATX
Intrinsic Safety Card	Ref: WK098PLIATX
2 Eex cable entries for cable Ø5-9mm	Ref: EEL13C5*9ATX
Light alloy handset	Ref: MS436A17G68

This equipment is supplied with a 2 year warranty against defective workmanship

MAIN CONTACT : **TELEPHONES LE LAS** | ADDRESS: 99 RUE ALEXANDRE FOURNY, 94500 CHAMPIGNY - SUR-MARNE , FRANCE
TEL: +33(0)1 48 76 62 62 | FAX: +33(0)1 48 76 83 04 | WEB: www.elas.fr | E-Mail: elas@elas.fr

HEADQUARTER : 99 RUE ALEXANDRE FOURNY / 94500 CHAMPIGNY - SUR-MARNE / FRANCE

PLEASE REFER TO OUR WEBSITE, PLEASE NOTE THAT WHILST EFFORT HAS BEEN MADE TO ENSURE THE ACCURACY OF THIS DATASHEET. LE LAS WILL NOT ASSUME LIABILITY FOR THE USE THEREOF. LELAS RESERVES THE RIGHT TO IMPROVE SPECIFICATIONS WITHOUT PRIOR NOTICE, PLEASE REFER TO OUR WEBSITE FOR UPDATED INFORMATION OR CONTACT OUR LOCAL SALES REPRESENTATIVE.

DATASHEET - TLS 229 A2 EEX e CALL STATION

PAGING & INTERCOM SYSTEM EQUIPMENT



ATEX / IECEx Certified



- zone 1 & 2
- zone 21 & 22

DESCRIPTION - TLS 229 A2 Range Explosion Proof Call Station

The TLS 229 A2 type call station is design for hazardous environments and meets industrial and offshore requirements. The GRP enclosure with special treatment is designed to withstand most chemical and environmental hazards found on - or offshore.

The TLS 229 A2 range call station can integrated with different communication solutions. It can work as standard call station for Lelas's intercom & Public address & General alarm system (DIGICOM 3K system). Or become call handset of Page partly line -TELSON system by by connect to AMP226 box.

MECHANICAL DATA

• Housing/Handset	Glass Fiber Reinforced Polyester (GRP)
• Handset cord:	Stainless steel 100kg resistance
• Mounting:	Wall or Pole
• Diameter	201 X 320 X 113 mm
• Cable Entry	2 x Exe cable glands for cable Ø5-9mm (optiona 8-12mm)
• Connection	Inside screw connections
• Weight	Approx. 2.3 kg
• Color	Black for back cover, orange for front cover

ELECTRICAL DATA

• Direct current supply:	12 to 60 Vdc
• Consumption:	< 40mA
• Ringing voltage:	35 – 90 Vac
• Dialing:	DTMF/pulse
• Flashing/earth:	Adjustable
• Electronic Bell:	90 dB @ 1M
• Hook:	Magnetic
• Conversation Mode:	By handset or hands free
• Noise cancelling:	Noise cancelling circuit

ENVIRONMENT

• Ambient temperature during operation	-20 °C to + 60 °C
• Relative humidity (non -condensing)	Max. 95 %
• Degree of protection	IP66/67
• Certification	ATEX em [ib] ib II C T5 ATEX Ex ib tb IIIC T100°C Db

ORDER NUMBER	DESCRIPTION
TLS 229 A2C9G	Handset free type with keypad,handset
TLS 229 A2C9GL	Handset free type with keypad, handset, display
TLS 229 A2C9FGL	Handset free type with keypad, handset, display and built in flashing

DATASHEET - TLS 229 A2 EEX e CALL STATION

PAGING & INTERCOM SYSTEM EQUIPMENT

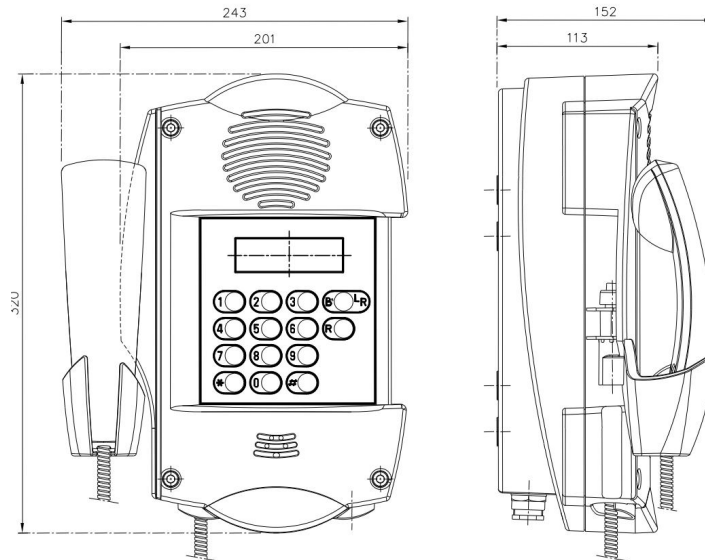


Fig. 1: Dimensional drawing TLS 229 A2

FIXATION INTERIEURE DRILLING FOR MOUNTING FROM INSIDE

2 MODES DE FIXATION / 2 FIXING METHODS

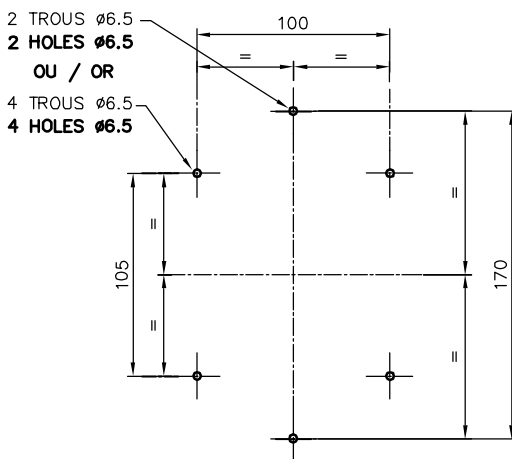


Fig. 2: Fixation

RACCORDEMENT WIRING

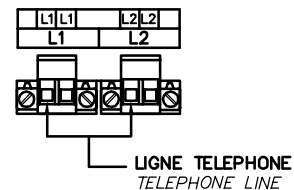


Fig. 3: Connection

SPARE PARTS LIST

Telephone Card Pulse/Tone	Ref: WK158CMAATX
Intrinsic Safety Card	Ref: WK098PLIATX
Keypad Card	Ref: WK163CL9
2 Eex cable entries for cable Ø5-9mm	Ref: EEL13C5*9ATX
Light alloy handset	Ref: MS436A17G68

This equipment is supplied with a 2 year warranty against defective workmanship