DATASHEET - TLA 402 E1 WEATHER PROOF PHONE

PABX & TELEPHONE SYSTEM EQUIPMENT

DESCRIPTION- TLA 402 E1 Range Weather Proof Telephone

The TLA 402 E1 type telephone is design for critical/ the worst environments and meets industrial and offshore requirements. The GRP body with special reinforced treatment is designed to withstand most chemical and environmental hazards found on - or offshore.

The TLA402E1 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 center exchange, with optional built-in amplifier and additional power sypply.

- Weather Proof total IP66 / 67

MECHANICAL DATA		
	• Housing/Handset	GRP / Polyester carbon
	• Handset cord:	Stainless steel 100kg resistance
	• Mounting:	Wall or Pole
	• Diameter	201X 320 X 113 mm
	• Cable Entry	2 x weather proof plastic cable $\varnothing$ 5-12mm
	• 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:	15 to 45mA
	• Ringing voltage:	30– 90 Vac
	• Dialing:	DTMF/pulse
	• Flashing/earth:	Adjustable
	• Electronic Bell:	84 dB @ 1M
	• Hook:	Magnetic
	• Conversation Mode:	By handset
	• Noise cancelling:	Noise cancelling circuit
ENVIRONMENT	• Ambient temperature during operation	-40 °C to + 70 °C
	• Relative humidity (non -condensing)	Max. 95 %
	• Degree of protection	IP66 or IP67
	• Impact Rating (IK)	IK 10

ORDER NUMBER	DESCRIPTION
TLA 402 E1	Analog phone with 14 aluminum type key buttons ,handset.
TLA 402 E1F	Analog phone with 14 aluminum type key buttons ,handset and built-in Led beacon

Option : Phone with weather proof headset socket ,order by option letter '/XC'. headset order separately.
Supply with metal cable gland, order by option letter 'XPE'

DATASHEET - TLA 402 E1 WEATHER PROOF PHONE
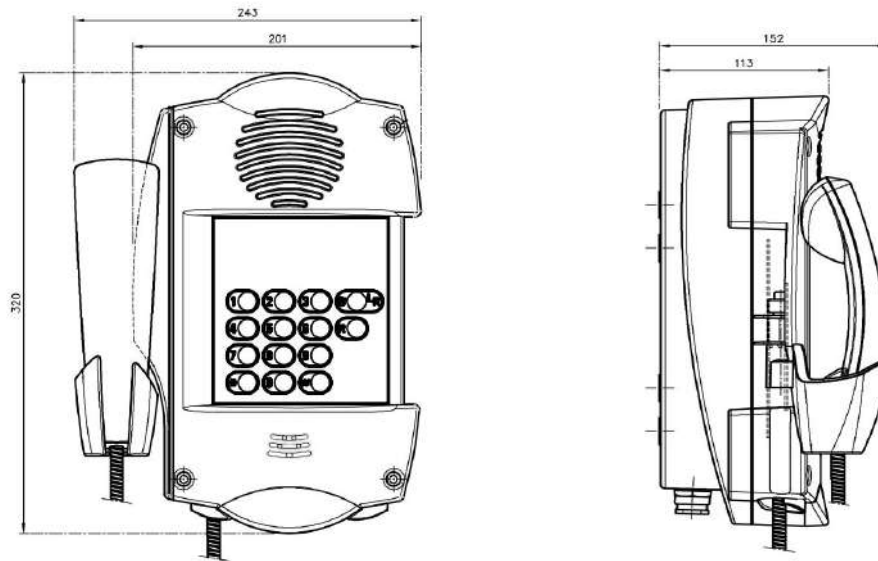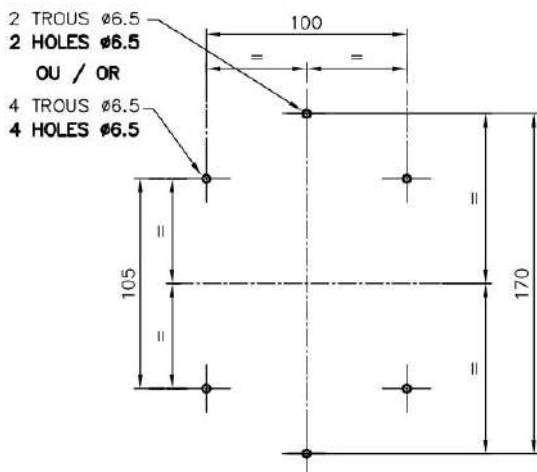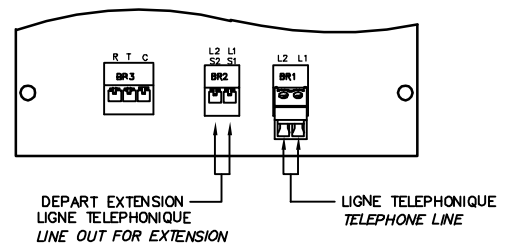
PABX & TELEPHONE SYSTEM EQUIPMENT

Fig. 1: Dimensional drawing TLA 402E1

DRILLING FOR MOUNTING FROM INSIDE –

2 MODES DE FIXATION / 2 FIXING METHODS

2 TROUS ø6.5
2 HOLES ø6.5
OU / OR
4 TROUS ø6.5
4 HOLES ø6.5

WIRING

DEPART EXTENSION
LIGNE TELEPHONIQUE
LINE OUT FOR EXTENSION

LIGNE TELEPHONIQUE
TELEPHONE LINE

DESCRIPTION
ENCLOSURE IN LIGHT ALLOY THE COVER IS FIXED TO THE BOTTOM CASE VIA 4 STAINLESS STEEL SCREWS.

Ⓐ	TELEPHONE CARD	WK119TEL
Ⓑ	KEYBOARD CARD	WK114CLP
Ⓒ	2 CABLE GLANDS FOR CABLE ø5 to 12mm	PEP13C5-12
Ⓓ	LIGHT ALLOY COMPLETE HANDSET	MS436A17G68

OPTION: FLASHING BEACON CARD   Réf: K025FLD

Installation, Operation and Maintenance Procedures
- Open the pivoting front panel removing the four screws
- Pass the cables through the cableglands being sure that the cable fit with the rubber gasket.
- Connect the telephone wires at the screw terminals
- Close the front panel in conformity to the safety rules for classified areas

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

GROUPE LE LAS

DATASHEET - TLS 402 E2 OUTDOOR CALL STATION

PAGA & INTERCOM SYSTEM EQUIPMENT

DESCRIPTION - TLS 402 ES Range Call Station

The call stations of TLS402-E2 series is design for critical/ the worst environments and meets industrial and offshore requirements. The GRP body with special reinforced treatment is designed to withstand most chemical and environmental hazards found on - or offshore.

They are used as slave call station for Master - Slave network, wired in star with intercom controller by 2X0,6 or 2X0,9mm type telecom cable.

The call stations of TLS402-E2 series are operated together with DIGICOM 3K PA&GA or Intercom system, work as communication P2P call station. Powered by a central point and/or locally with 24VDC or 230VAC.

● Weather Proof IP66/67

MECHANICAL DATA		
● Housing	Polyester plastic (GRP)	
Button	Metal	
● Mounting	Wall or pole	
● Diameter	201L X 113W X 320H mm	
● Cable Inlet	3 entries, supply with 2 cable gland and 1 plug	
● 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	0.5 A	
● Speaker	Built-in 5W, 90 dB@1m	
● Amplifier	10 Watt RMS - 16ohm	
● Auxiliary output	0dB - 600	
● Conversation Mode	Hands free	
● Noise cancelling	By microphone	

ENVIRONMENT		
● Ambient temperature during operation	-40 °C to + 70 °C	
● Relative humidity (non -condensing)	Max. 95 %	
● Degree of protection	IP66	
● Impact Rating (IK)	IK 10	

ORDER NUMBER	DESCRIPTION
TLS402E2C9	Call station with keypad
TLS402E2C9L	Call station with keypad and display

*For other functions, models and options, please consult sales

DATASHEET - TLS 402 E2 OUTDOOR CALL STATION
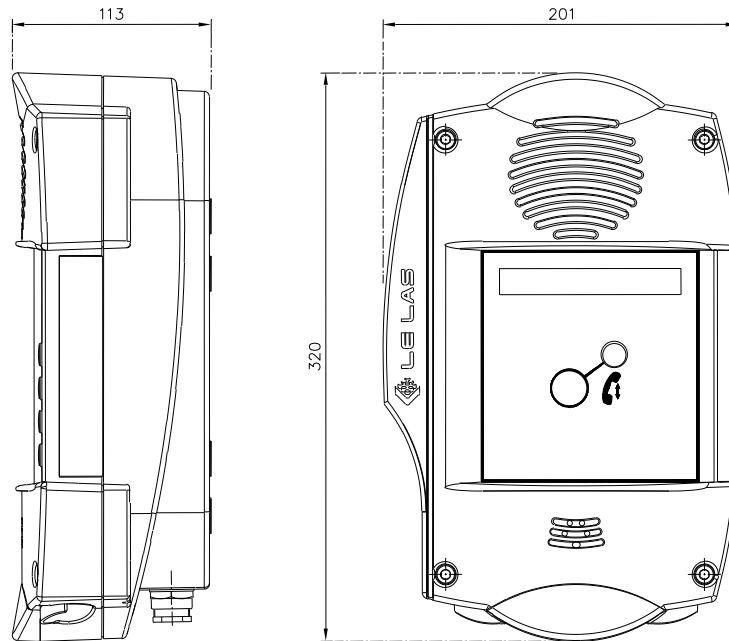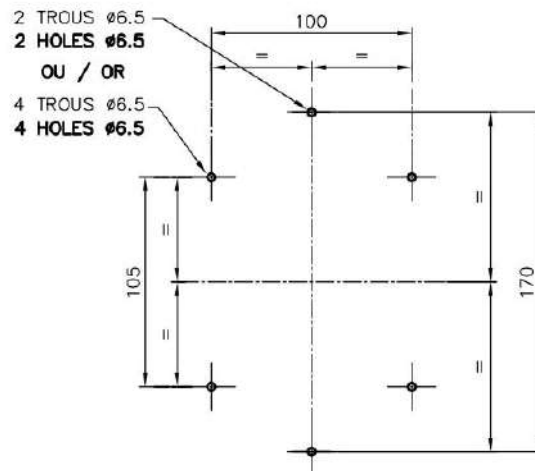
PAGA & INTERCOM SYSTEM EQUIPMENT

Fig. 1: Dimensional drawing TLS402E2

Installation, Operation and Maintenance Procedures

- Open the pivoting front panel removing the four screws
- Pass the cables through the cableglands being sure that the cable fit with the rubber gasket.
- Connect the telephone wires at the screw terminals
- Close the front panel in conformity to the safety rules for classified areas

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

DATASHEET - TLS 402 E2 OUTDOOR CALL STATION

PAGA & INTERCOM SYSTEM EQUIPMENT

DESCRIPTION- TLS 402 ES Range Call Station

The call stations of TLS402-E2 series is design for critical/ the worst environments and meets industrial and offshore requirements. The GRP body with special reinforced treatment is designed to withstand most chemical and environmental hazards found on - or offshore.

They are used as slave call station for Master - Slave network, wired in star with intercom controller by 2X0,6 or 2X0,9mm type telecom cable.

The call stations of TLS402-E2 series are operated together with DIGICOM 3K PA&GA or Intercom system, work as communication P2P call station. Powered by a central point and/or locally with 24VDC or 230VAC.

● Weather Proof IP66/67

MECHANICAL DATA		
● Housing	Polyester plastic (GRP)
Handset	Polyester plastic (GRP)
● Mounting	Wall or pole
● Diameter	201L X 113W X 320H mm
● Cable Inlet	3 entries, supply with 2 cable gland and 1 plug
● 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:	15 to 45mA
● Ringing voltage:	30– 90 Vac
● Dialing:	DTMF/pulse
● Flashing/earth:	Adjustable
● Electronic Bell:	84 to 92 dB@ 1M
● Hook:	Magnetic
● Conversation Mode:	By handset or hands free
● Noise cancelling:	Noise cancelling circuit

ENVIRONMENT	
● Ambient temperature during operation	-40 °C to + 70 °C
● Relative humidity (non -condensing)	Max. 95 %
● Degree of protection	IP66
● Impact Rating (IK)	IK 10

ORDER NUMBER	DESCRIPTION
TLS402E2C9G	Call station with keypad and handset
TLS402E2C9GL	Call station with keypad, handset and display

*For other functions, models and options, please consult sales

DATASHEET - TLS 402 E2 OUTDOOR CALL STATION
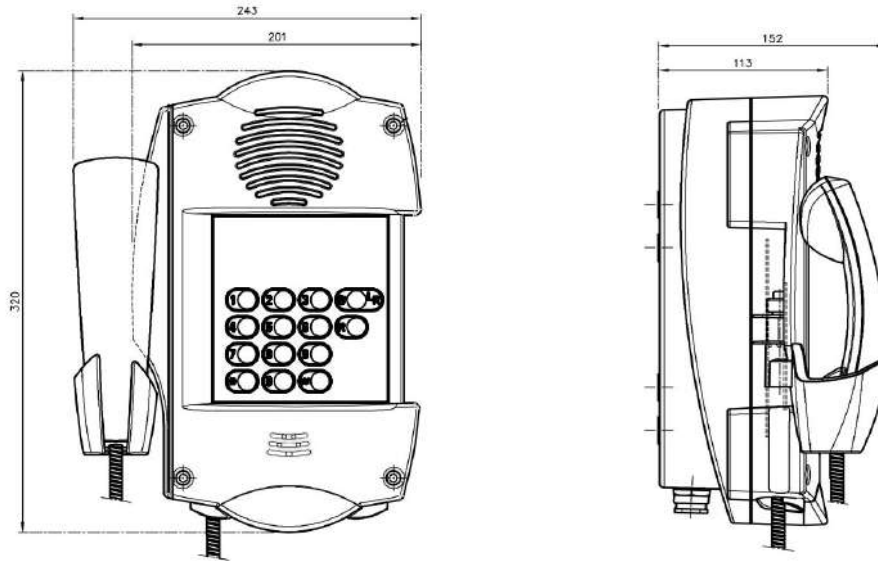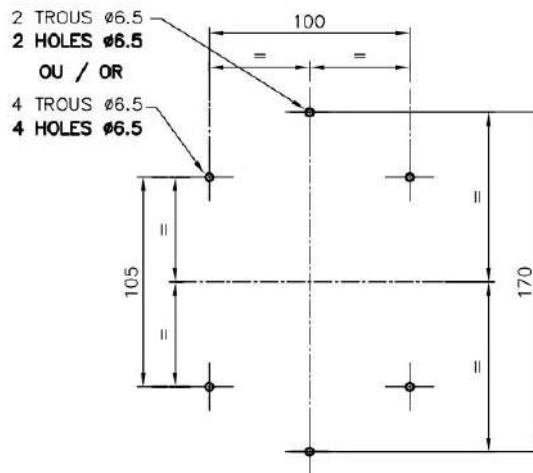
PAGA & INTERCOM SYSTEM EQUIPMENT

Fig. 1: Dimensional drawing TLS402E2

Installation, Operation and Maintenance Procedures

- Open the pivoting front panel removing the four screws
- Pass the cables through the cableglands being sure that the cable fit with the rubber gasket.
- Connect the telephone wires at the screw terminals
- Close the front panel in conformity to the safety rules for classified areas

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

DATASHEET - TLC 402 E1 HOTLINE PHONE

PABX & TELEPHONE SYSTEM EQUIPMENT

DESCRIPTION- TLC 402 E1 Range Hotline Telephone

The TLC 402 E1 type telephone is design for critical/ the worst environments and meets industrial and offshore requirements. The GRP body with special reinforced treatment is designed to withstand most chemical and environmental hazards found on - or offshore.

The TLC 402E1 range phone can connect with hotline system PBX, to make a emergency call by one pick up action.

- Weather Proof total IP66 / 67

MECHANICAL DATA

Housing/Handset	GRP / Polyester carbon
Handset cord	Stainless steel 100kg resistance
Mounting	Wall or Pole
Diameter	201 X 320 X 113 mm
Cable Entry	2 x weather proof plastic cable ∅ 5-12mm
Connection	Inside screw connections
Weight	Approx. 2.3 kg
Color	Back cover black, front cover orange. Other color as option

ELECTRICAL DATA

Direct current supply	12 to 60 Vdc
Consumption	15 to 45mA
Ringing voltage	30 – 90 Vac
Dialing	By pick up handset
Electronic Bell	84 dB @ 1M
Hook	Magnetic
Conversation Mode	By handset
Noise cancelling	Noise cancelling circuit

ENVIRONMENT

Ambient temperature during operation	40 °C to + 70 °C
Relative humidity (non -condensing)	Max. 95 %
Degree of protection	IP66 or IP67
Impact Rating (IK)	IK 10

ORDER NUMBER	DESCRIPTION
TLC 402 E1	Analog phone without keypad, handset.
TLC 402 E1F	Analog phone without keypad, handset and built-in Led beacon

Option : Phone with weather proof headset socket ,order by option letter '/XC'. headset order separately.

GROUPE LE LAS

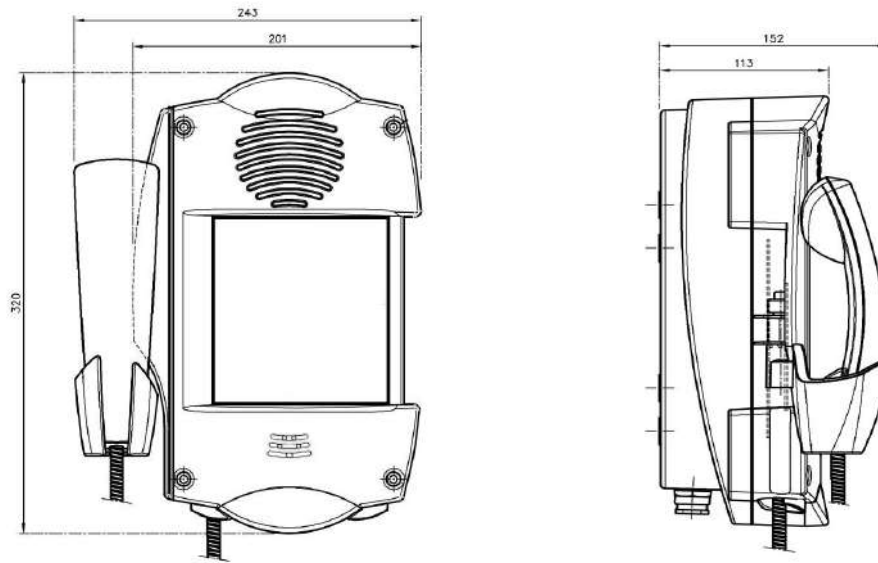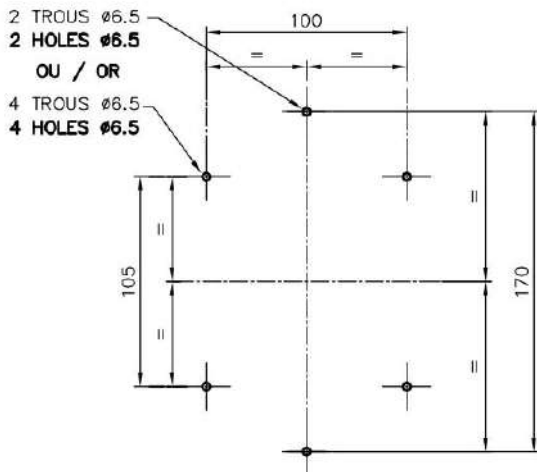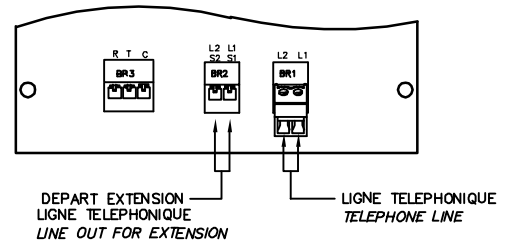# DATASHEET - TLC 402 E1 HOTLINE PHONE

PABX & TELEPHONE SYSTEM EQUIPMENT

Fig. 1: Dimensional drawing TLC 402E1

DRILLING FOR MOUNTING FROM INSIDE –

2 MODES DE FIXATION / 2 FIXING METHODS

2 TROUS ø6.5
2 HOLES ø6.5
OU / OR
4 TROUS ø6.5
4 HOLES ø6.5

WIRING

DEPART EXTENSION
LIGNE TELEPHONIQUE
LINE OUT FOR EXTENSION

LIGNE TELEPHONIQUE
TELEPHONE LINE

DESCRIPTION

ENCLOSURE IN LIGHT ALLOY THE COVER IS FIXED TO THE BOTTOM CASE VIA 4 STAINLESS STEEL SCREWS.

Ⓐ	TELEPHONE CARD	WK119TEL
Ⓑ	2 CABLE GLANDS FOR CABLE ø5 to 12mm	WEP13C5-12
Ⓒ	LIGHT ALLOY COMPLETE HANDSET	MS436A17G68

OPTION: FLASHING BEACON CARD   Réf: K025FLD

Installation, Operation and Maintenance Procedures

- Open the pivoting front panel removing the four screws
- Pass the cables through the cableglands being sure that the cable fit with the rubber gasket.
- Connect the telephone wires at the screw terminals
- Close the front panel in conformity to the safety rules for classified areas

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

DATASHEET - TLC 402 E1/3001 HOTLINE PHONE

PABX & TELEPHONE SYSTEM EQUIPMENT

DESCRIPTION- TLC 402 E1/3001 Range Hotline Telephone

The TLC 402 E1 type telephone is design for critical/ the worst environments and meets industrial and offshore requirements. The GRP body with special reinforced treatment is designed to withstand most chemical and environmental hazards found on - or offshore.

The TLC 402E1 range phone can connect with hotline system PBX, to make a emergency call by one pick up action.

- Weather Proof total IP66 / 67

MECHANICAL DATA		
	Housing/Handset	GRP / Polyester carbon
	Handset cord	Stainless steel 100kg resistance
	Mounting	Wall or Pole
	Diameter	201 X 320 X 113 mm
	Cable Entry	2 x weather proof plastic cable $\varnothing$ 5-12mm
	Connection	Inside screw connections
	Weight	Approx. 2.3 kg
	Color	Front panel RAL 3001 (Red), black for back

ELECTRICAL DATA		
	Direct current supply	12 to 60 Vdc
	Consumption	15 to 45mA
	Ringing voltage	30 – 90 Vac
	Dialing	By pick up handset
	Electronic Bell	84 dB @ 1M
	Hook	Magnetic
	Conversation Mode	By handset
	Noise cancelling	Noise cancelling circuit

ENVIRONMENT		
	Ambient temperature during operation	40 °C to + 70 °C
	Relative humidity (non -condensing)	Max. 95 %
	Degree of protection	IP66 or IP67
	Impact Rating (IK)	IK 10

ORDER NUMBER	DESCRIPTION
TLC 402 E1/3001	Analog phone without keypad, handset. Red color for front cover
TLC 402 E1F/3001	Analog phone without keypad, handset and built-in Led. Red color for front cover

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

DATASHEET - TLC 402 E1/3001 HOTLINE PHONE
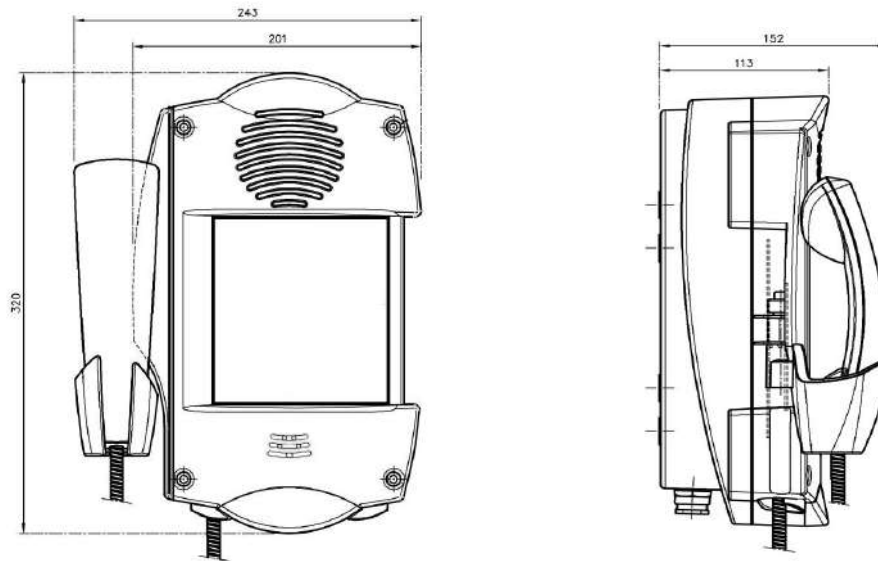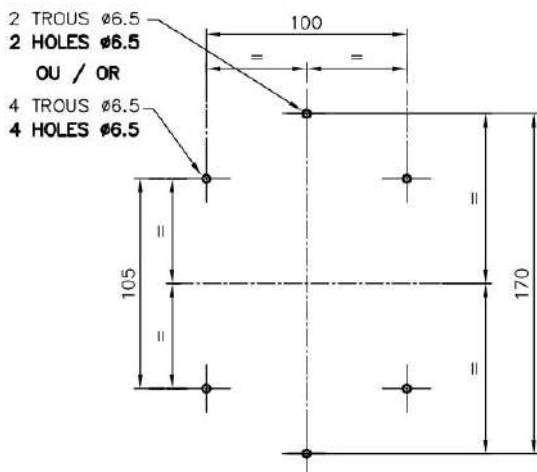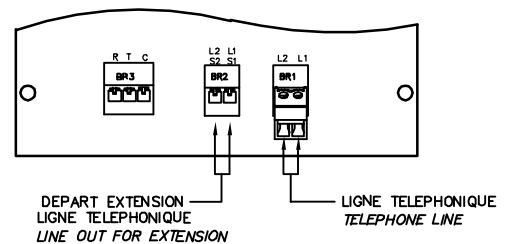
PABX & TELEPHONE SYSTEM EQUIPMENT

Fig. 1: Dimensional drawing TLC 402E1

DRILLING FOR MOUNTING FROM INSIDE —

2 MODES DE FIXATION / 2 FIXING METHODS

2 TROUS ø6.5
2 HOLES ø6.5
OU / OR
4 TROUS ø6.5
4 HOLES ø6.5

WIRING

DEPART EXTENSION
LIGNE TELEPHONIQUE
LINE OUT FOR EXTENSION

LIGNE TELEPHONIQUE
TELEPHONE LINE

DESCRIPTION
ENCLOSURE IN LIGHT ALLOY THE COVER IS FIXED TO THE BOTTOM CASE VIA 4 STAINLESS STEEL SCREWS.

Ⓐ	TELEPHONE CARD	WK119TEL
Ⓑ	2 CABLE GLANDS FOR CABLE ø5 to 12mm	WEP13C5—12
Ⓒ	LIGHT ALLOY COMPLETE HANDSET	MS436A17G68

OPTION: FLASHING BEACON CARD   Réf: K025FLD

Installation, Operation and Maintenance Procedures

- Open the pivoting front panel removing the four screws
- Pass the cables through the cableglands being sure that the cable fit with the rubber gasket.
- Connect the telephone wires at the screw terminals
- Close the front panel in conformity to the safety rules for classified areas

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

DATASHEET - 402 E WP VoIP TELEPHONE

TELEPHONE & INTERCOM COMMUNICATION EQUIPMENT

DESCRIPTION- 402 E Range Weather Proof VoIP Telephone

The 402 E type VoIP telephone is design for critical/ the worst environments and meets industrial and offshore requirements. The GRP body with special reinforced treatment is designed to withstand most chemical and environmental hazards found on - or offshore.

The 402E range VoIP phone can integrated with different communication solutions. It can work as standard VoIP telephone (standard version with 10w amplifier) by connect to standard IPBX, or became intercom station of Public address & General alarm system (Digicom 3K Plus system), or master & slave intercom station of Global IP system, with Maxi 30w amplifier and local power.

- Weather Proof total IP66 / 67

MECHANICAL DATA

•	Housing/Handset	GRP / Polyester carbon
•	Handset cord:	Stainless steel 100kg resistance
•	Mounting:	Wall or Pole
•	Diameter	201 X 320 X 113 mm
•	Cable Entry	2 x weather proof plastic cable ⌀ 5-12mm
•	Connection	Inside screw connections or RJ45
•	Weight	Approx. 2.3 kg
•	Color	Black for back cover, orange for front cover

ELECTRICAL DATA

•	Direct current supply:	12 / 24Vdc base on version or PoE
•	Consumption:	Maxi 1A at 12 Vdc / 12W
•	Audio Output:	10W or 30W Class D amplifier under HP 8 Ohms. handset, full duplex .
•	Voice:	Management of the suppression of the local echo and the ambient noise.
•	Electronic Bell:	84 dB @ 1M (NTA402 type) or 92 dB@1M(NTS402 type)
•	Hook:	Magnetic
•	Conversation Mode:	By handset

ENVIRONMENT

•	Ambient temperature during operation	-40 °C to + 70 °C
•	Relative humidity (non - condensing)	Max. 95 %
•	Degree of protection	IP66 or IP67
•	Impact Rating (IK)	IK 10

ORDER NUMBER	DESCRIPTION
NTA 402 E1	SIP PoE phone with 14 key buttons, handset
NTA 402 E5C9GL	SIP PoE phone with 14 key buttons, handset, display
NTA 402 E5C9FGL	SIP PoE phone with 14 key buttons, handset, display, built-in flash

GROUPE LE LAS

DATASHEET - 402 E WP VoIP TELEPHONE

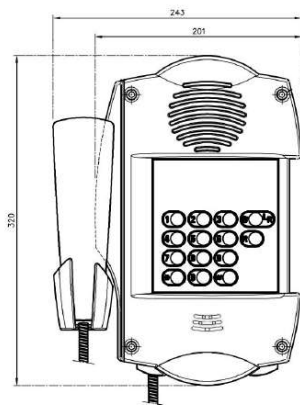**TELEPHONE & INTERCOM COMMUNICATION EQUIPMENT**
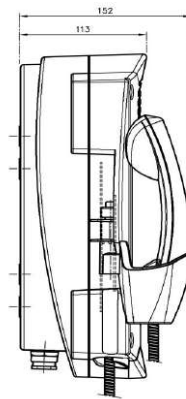

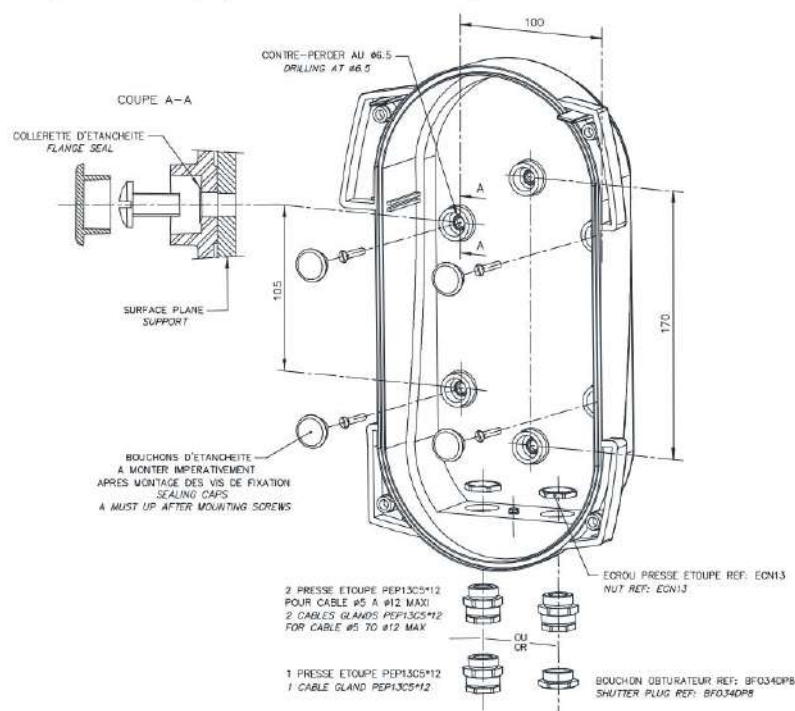Fig. 1: Dimensional drawing NTA 402E1

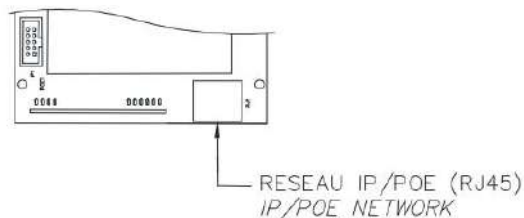Fig. 2: Dimensional drawing NTS 402E2C9GL

Fig. 3: Mounting drawing 402 type

Fig. 4: Connecting drawing

DATASHEET - 402 E WP VoIP TELEPHONE

TELEPHONE & INTERCOM COMMUNICATION EQUIPMENT

TECHNICAL DATA

CODECS	• G.711 ulaw, G.711 alaw, G.722 HD, G.726 (16kbps), G.726 (24kbps), G.726 fixed payload, G.729
	• G.726 (40kbps), DVI4 Narrowband, DVI4 HD, Linear PCM, Linear PCM HD, Linear PCM (little endian),
	• Linear PCM HD (little endian), ILBC-30, ILBC-20, SPEEX Narrowband, SPEEX Wideband, SILK Narrowband, SILK Wideband.
FUNCTION	• Caller ID. (For version with display.)
	• General call and group calls (With or without SIP server LELAS).
	• Conference (requires SIP server LELAS).
	• Peer-to-Peer mode for making point-to-point calls without a server (IP addressing call).
	• Direct call via programmable memory button for secondary stations (10 keys) (For version 402E2)
	• Ringer volume control via Web.
	• Timed break recall facility / Last number redial facility.
	• Management of a strike by DTMF activation code.
	• Report/transfer.
	• Static Mode or DHCP or PPPoE
	• Management of a strike by DTMF activation code.
	• Embedded web server set-up: number of rings off-hook, max time on-line, HP volume, ringer and microphone, adding custom ringtones, option strikes, report / transfer number, IP address and Netmask, cascade dialling, direct call numbers, SIP settings, codecs, button press time (call taking, cancelling communication), adding three broadcast messages …
POSSIBLE OPTION WITH SIP LELAS SERVER	• Simultaneous calls depending on the server (from 30 to 60).
	• Supports up to 500 SIP terminal registrations.
	• Supports up to 32 participants in conference, invitation to a conference. 99 conference channels.
	• Supports Static Queue Mode with different strategies (Simultaneous, Linear, Less Recent, Less Call, Random, Circular with Memory). Editable music broadcasting. Interception of calls.
	• Voicemail, consultation with PIN.
	• Interactive voice answering machine.
	• DND call forwarding (Do not disturb, call forwarding if busy, if no answer, unconditional …).
	• Recording of communications (WAV format) saved on SD card.
SIP SERVER LANGUAGE	• English, French, Chinese.

Installation, Operation and Maintenance Procedures
- Open the pivoting front panel removing the four screws
- Pass the cables through the cableglands being sure that the cable fit with the rubber gasket.
- Connect the telephone wires at the screw terminals
- Close the front panel in conformity to the safety rules for classified areas

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

DATASHEET - 402 E WP VoIP TELEPHONE

TELEPHONE & INTERCOM COMMUNICATION EQUIPMENT

DESCRIPTION- 402 E Range Weather Proof VoIP Telephone

The 402 E type VoIP telephone is design for critical/ the worst environments and meets industrial and offshore requirements. The GRP body with special reinforced treatment is designed to withstand most chemical and environmental hazards found on - or offshore.

The 402E range VoIP phone can integrated with different communication solutions. It can work as standard VoIP telephone (standard version with 10w amplifier) by connect to standard IPBX, or became intercom station of Public address & General alarm system (Digicom 3K Plus system), or master & slave intercom station of Global IP system, with Maxi 30w amplifier and local power.

- Weather Proof total IP66 / 67

MECHANICAL DATA		
	Housing/Handset	GRP / Polyester carbon
	Handset cord:	Stainless steel 100kg resistance
	Mounting:	Wall or Pole
	Diameter	201 X 320 X 113 mm
	Cable Entry	2 x weather proof plastic cable ∅ 5-12mm
	Connection	Inside screw connections or RJ45
	Weight	Approx. 2.3 kg
	Color	Black for back cover, orange for front cover
ELECTRICAL DATA		
	Direct current supply:	12 / 24Vdc base on version or PoE
	Consumption:	Maxi 1A at 12 Vdc / 12W
	Audio Output:	10W or 30W Class D amplifier under HP 8 Ohms. handset, full duplex .
	Voice:	Management of the suppression of the local echo and the ambient noise.
	Electronic Bell:	84 dB @ 1M (NTA402 type) or 92 dB@1M(NTS402 type)
	Hook:	Magnetic
	Conversation Mode:	By handset or by built-in Microphone
ENVIRONMENT		
	Ambient temperature during operation	-40 °C to + 70 °C
	Relative humidity (non - condensing)	Max. 95 %
	Degree of protection	IP66 or IP67
	Impact Rating (IK)	IK 10

ORDER NUMBER	DESCRIPTION
NTS 402 E5C9G	SIP PoE phone with 14 key buttons, handset, with handsfree function
NTS 402 E5C9GL	SIP PoE phone with 14 key buttons, handset, display, with handsfree function
NTS 402 E5C9FGL	SIP PoE phone with 14 key buttons, handset, display, built-in flash with hands free function

DATASHEET - 402 E WP VoIP TELEPHONE

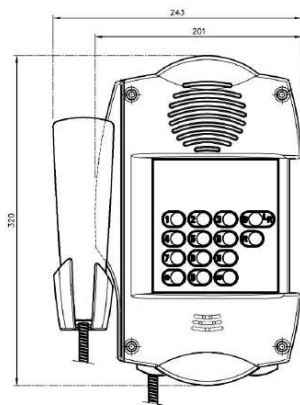**TELEPHONE & INTERCOM COMMUNICATION EQUIPMENT**

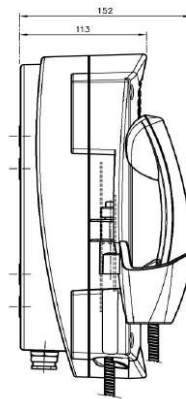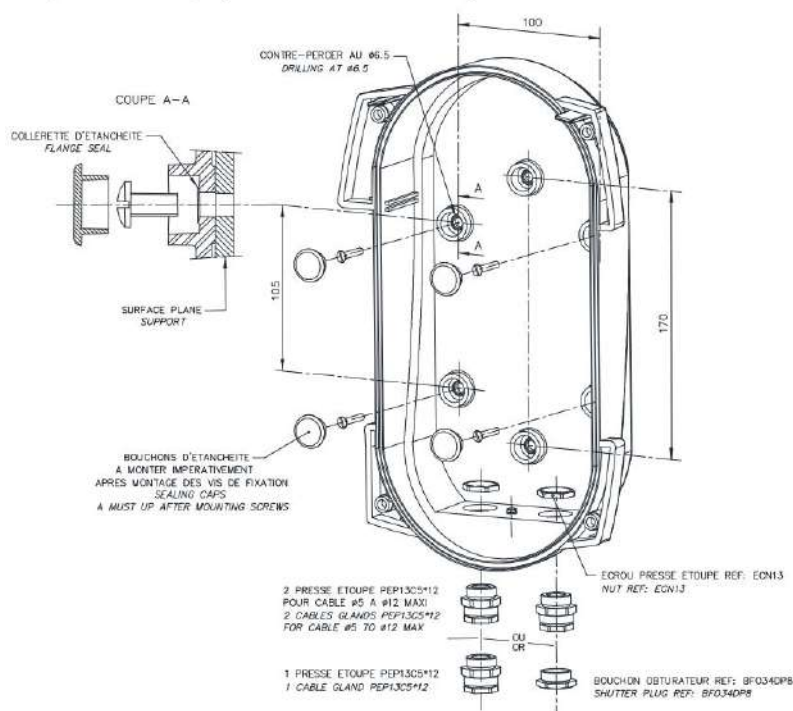Fig. 1: Dimensional drawing NTS 402E1   Fig. 2: Dimensional drawing NTS 402E2C9GL
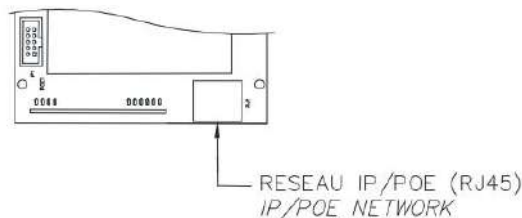

Fig. 3: Mounting drawing 402 type

Fig. 4: Connecting drawing

DATASHEET - 402 E WP VoIP TELEPHONE

TELEPHONE & INTERCOM COMMUNICATION EQUIPMENT

TECHNICAL DATA

CODECS	• G.711 ulaw, G.711 alaw, G.722 HD, G.726 (16kbps), G.726 (24kbps), G.726 fixed payload, G.729 • G.726 (40kbps), DVI4 Narrowband, DVI4 HD, Linear PCM, Linear PCM HD, Linear PCM (little endian), • Linear PCM HD (little endian), ILBC-30, ILBC-20, SPEEX Narrowband, SPEEX Wideband, SILK Narrowband, SILK Wideband.
FUNCTION	• Caller ID. (For version with display.) • General call and group calls (With or without SIP server LELAS). • Conference (requires SIP server LELAS). • Peer-to-Peer mode for making point-to-point calls without a server (IP addressing call). • Direct call via programmable memory button for secondary stations (10 keys) (For version 402E2) • Ringer volume control via Web. • Timed break recall facility / Last number redial facility. • Management of a strike by DTMF activation code. • Report/transfer. • Static Mode or DHCP or PPPoE • Management of a strike by DTMF activation code. • Embedded web server set-up: number of rings off-hook, max time on-line, HP volume, ringer and microphone, adding custom ringtones, option strikes, report / transfer number, IP address and Netmask, cascade dialling, direct call numbers, SIP settings, codecs, button press time (call taking, cancelling communication), adding three broadcast messages …
POSSIBLE OPTION WITH SIP LELAS SERVER	• Simultaneous calls depending on the server (from 30 to 60). • Supports up to 500 SIP terminal registrations. • Supports up to 32 participants in conference, invitation to a conference. 99 conference channels. • Supports Static Queue Mode with different strategies (Simultaneous, Linear, Less Recent, Less Call, Random, Circular with Memory). Editable music broadcasting. Interception of calls. • Voicemail, consultation with PIN. • Interactive voice answering machine. • DND call forwarding (Do not disturb, call forwarding if busy, if no answer, unconditional …). • Recording of communications (WAV format) saved on SD card.
SIP SERVER LANGUAGE	• English, French, Chinese.

Installation, Operation and Maintenance Procedures

- Open the pivoting front panel removing the four screws
- Pass the cables through the cableglands being sure that the cable fit with the rubber gasket.
- Connect the telephone wires at the screw terminals
- Close the front panel in conformity to the safety rules for classified areas

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

DATASHEET - NTC402 E WP VoIP HOTLINEPHONE

TELEPHONE & INTERCOM COMMUNICATION EQUIPMENT

DESCRIPTION- NTC402 E Range VoIP Hotline Telephone

The 402 E type VoIP telephone is design for critical/ the worst environments and meets industrial and offshore requirements. The GRP body with special reinforced treatment is designed to withstand most chemical and environmental hazards found on - or offshore.

The NTC402E range VoIP hotline phone range phone can connect with hotline system PBX, to make a emergency call by one pick up action.

- Weather Proof total IP66 / 67

MECHANICAL DATA

Housing/Handset	GRP / Polyester carbon
Handset cord:	Stainless steel 100kg resistance
Mounting:	Wall or Pole
Diameter	201 X 320 X 113 mm
Cable Entry	2 x weather proof plastic cable ∅ 5-12mm
Connection	Inside screw connections or RJ45
Weight	Approx. 2.3 kg
Color	Black for back cover, orange for front cover

ELECTRICAL DATA

Direct current supply:	12 / 24Vdc base on version or PoE
Consumption:	Maxi 1A at 12 Vdc / 12W
Audio Output:	10W or 30W Class D amplifier under HP 8 Ohms. handset, full duplex .
Voice:	Management of the suppression of the local echo and the ambient noise.
Electronic Bell:	84 dB @ 1M (NTA402 type) or 92 dB@1M(NTS402 type)
Hook:	Magnetic
Conversation Mode:	By handset

ENVIRONMENT

Ambient temperature during operation	-40 °C to + 70 °C
Relative humidity (non - condensing)	Max. 95 %
Degree of protection	IP66 or IP67
Impact Rating (IK)	IK 10

ORDER NUMBER	DESCRIPTION
NTC 402 E5	SIP PoE phone with handset, without keypad
NTC 402 E5/3001	SIP PoE phone with handset, without keypad. red color front cover of phone

DATASHEET - NTC402 E WP VoIPHOTLINE PHONE

TELEPHONE & INTERCOM COMMUNICATION EQUIPMENT
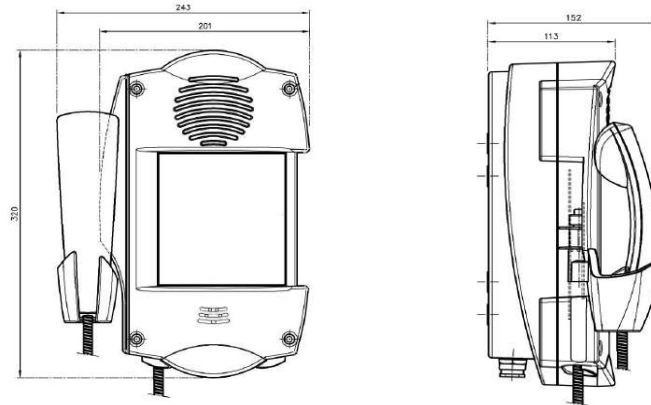

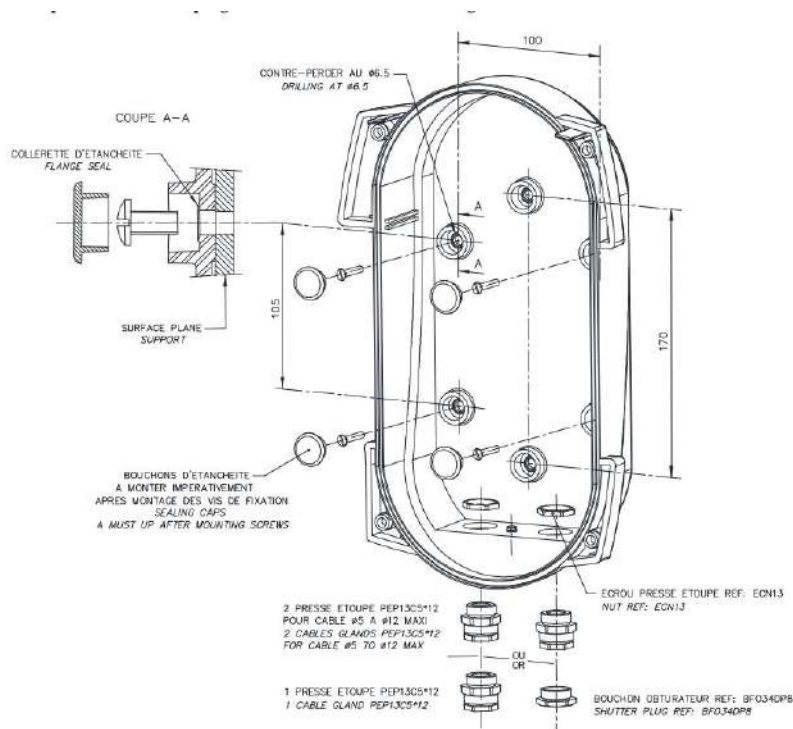Fig. 1: Dimensional drawing NTC 402E5
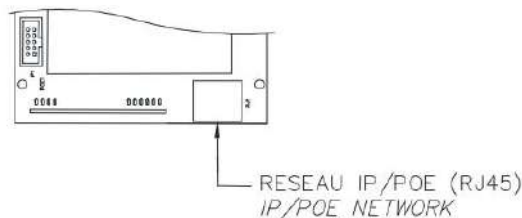

Fig. 2: Mounting drawing 402 type

Fig. 3: Connecting drawing

DATASHEET - NTC402 E WP VoIPHOTLINE PHONE

TELEPHONE & INTERCOM COMMUNICATION EQUIPMENT

TECHNICAL DATA

CODECS	• G.711 ulaw, G.711 alaw, G.722 HD, G.726 (16kbps), G.726 (24kbps), G.726 fixed payload, G.729 • G.726 (40kbps), DVI4 Narrowband, DVI4 HD, Linear PCM, Linear PCM HD, Linear PCM (little endian), • Linear PCM HD (little endian), ILBC-30, ILBC-20, SPEEX Narrowband, SPEEX Wideband, SILK Narrowband, SILK Wideband.
FUNCTION	• Caller ID. (For version with display.) • General call and group calls (With or without SIP server LELAS). • Conference (requires SIP server LELAS). • Peer-to-Peer mode for making point-to-point calls without a server (IP addressing call). • Direct call via programmable memory button for secondary stations (10 keys) (For version 402E2) • Ringer volume control via Web. • Timed break recall facility / Last number redial facility. • Management of a strike by DTMF activation code. • Report/transfer. • Static Mode or DHCP or PPPoE • Management of a strike by DTMF activation code. • Embedded web server set-up: number of rings off-hook, max time on-line, HP volume, ringer and microphone, adding custom ringtones, option strikes, report / transfer number, IP address and Netmask, cascade dialling, direct call numbers, SIP settings, codecs, button press time (call taking, cancelling communication), adding three broadcast messages …
POSSIBLE OPTION WITH SIP LELAS SERVER	• Simultaneous calls depending on the server (from 30 to 60). • Supports up to 500 SIP terminal registrations. • Supports up to 32 participants in conference, invitation to a conference. 99 conference channels. • Supports Static Queue Mode with different strategies (Simultaneous, Linear, Less Recent, Less Call, Random, Circular with Memory). Editable music broadcasting. Interception of calls. • Voicemail, consultation with PIN. • Interactive voice answering machine. • DND call forwarding (Do not disturb, call forwarding if busy, if no answer, unconditional …). • Recording of communications (WAV format) saved on SD card.
SIP SERVER LANGUAGE	• English, French, Chinese.

Installation, Operation and Maintenance Procedures

- Open the pivoting front panel removing the four screws
- Pass the cables through the cableglands being sure that the cable fit with the rubber gasket.
- Connect the telephone wires at the screw terminals
- Close the front panel in conformity to the safety rules for classified areas

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

GROUPE LE LAS

DATASHEET - NHE402HC9 WP VoIP INTERCOM

VOIP INTERCOM 'GLOBAL IP' COMMUNICATION EQUIPMENT

DESCRIPTION- NHE402HC9 Range VoIP Intercom Call Station

The NHE402HC9 VoIP intercom is design for critical/ the worst environments and meets industrial and offshore requirements. The GRP body with special reinforced treatment is designed to withstand most chemical and environmental hazards found on - or offshore.

The 402E range VoIP phone can integrated with different communication solutions. It can work as standard VoIP intercom (standard version with 10w amplifier) by connect to standard IPBX, or became intercom station of Public address & General alarm system (Digicom 3K Plus system), or master & slave intercom station of Global IP system, with Maxi 25w (optional) amplifier and local power.

- Weather Proof total IP66 / 67

MECHANICAL DATA

Housing/Handset	GRP / Polyester carbon
Handset cord:	Stainless steel 100kg resistance
Mounting:	Wall or Pole
Diameter	201 X 320 X 113 mm (without handset)
Cable Entry	2 x weather proof plastic cable $\varnothing$ 5-12mm
Connection	Inside screw connections or RJ45
Weight	Approx. 2.3 kg
Color	Black for back cover, orange for front cover

ELECTRICAL DATA

Direct current supply:	12 / 24Vdc base on version or PoE/Option 230V
Consumption	Maxi 1A at 12 Vdc / 12W
Audio Output:	Maxi15W or 30W under speaker 8 Ohms. handset, full duplex .
Voice:	Management of the suppression of the local echo and the ambient noise.
Electronic Bell:	85 dB @ 1M
Hook	Magnetic
Conversation Mode:	By handset or by built-in Microphone(optional handsfree)

ENVIRONMENT

Ambient temperature during operation	-40 °C to + 70 °C
Relative humidity (non - condensing)	Max. 95 %
Degree of protection	IP66 or IP67
Impact Rating (IK)	IK 10

ORDER NUMBER	DESCRIPTION
NHE 402 HC9FGLM	SIP PoE with 14 key buttons, handset and display, with built-in flashing
NHE 402 HC9GLMCA	SIP with 14 key buttons, handset, display, power by 230Vac
NHE 402 HC9GLMA/25T	SIP with 14 key buttons, handset, display, with 25W built in amplifier, power by 24Vdc

GROUPE LE LAS

DATASHEET - NHE402HC9 WP VoIP INTERCOM

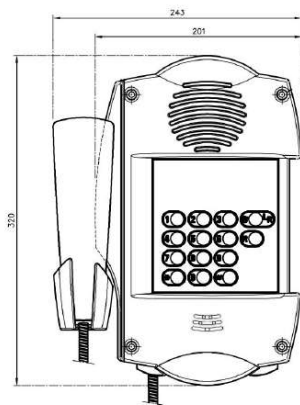**VOIP INTERCOM 'GLOBAL IP' COMMUNICATION EQUIPMENT**

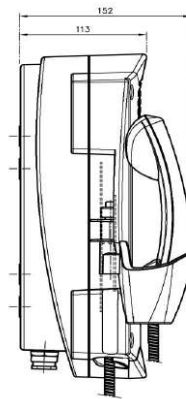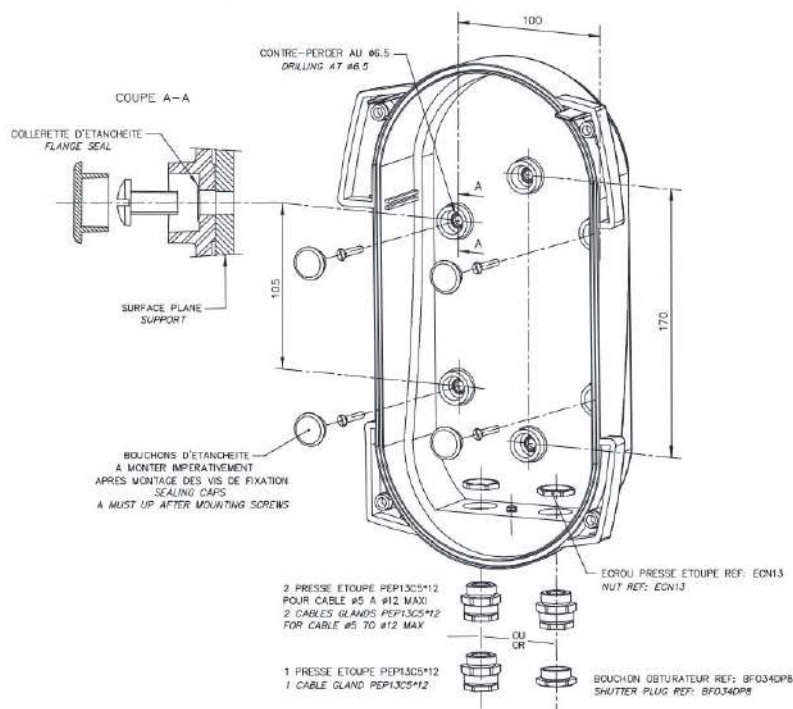Fig. 1: Dimensional drawing NHE 402HC9G   Fig. 2: Dimensional drawing NHE 402HC9GL
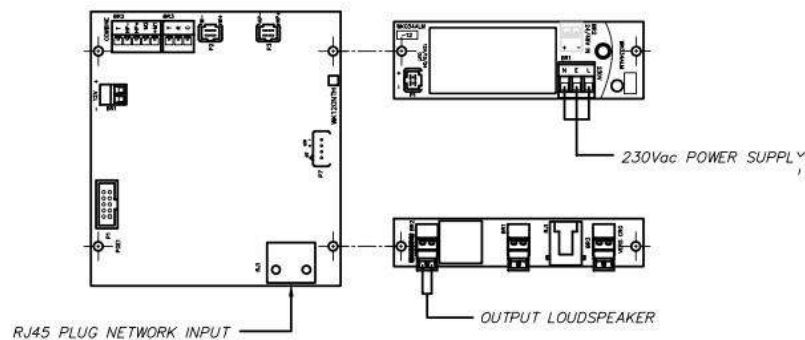
Fig. 3: Mounting drawing 402 type

Fig. 4: Connecting drawing

DATASHEET - NHE402HC9 WP VoIP INTERCOM

VOIP INTERCOM 'GLOBAL IP' COMMUNICATION EQUIPMENT

TECHNICAL DATA

CODECS	• G.711 ulaw, G.711 alaw, G.722 HD, G.726 (16kbps), G.726 (24kbps), G.726 fixed payload, G.721 • G.726 (40kbps), DVI4 Narrowband, DVI4 HD, Linear PCM, Linear PCM HD, Linear PCM (little endian), • Linear PCM HD (little endian), ILBC-30, ILBC-20, SPEEX Narrowband, SPEEX Wideband, SILK Narrowband, SILK Wideband.
FUNCTION	• Caller ID. (For version with display.) • General call and group calls (With or without SIP server LELAS). • Conference (requires SIP server LELAS). • Peer-to-Peer mode for making point-to-point calls without a server (IP addressing call). • Direct call via programmable memory button for secondary account • Ringer volume control via Web. • Timed break recall facility / Last number redial facility. • Management of a strike by DTMF activation code. • Report/transfer. • Static Mode or DHCP or PPPoE • Management of a strike by DTMF activation code. • Embedded web server set-up: number of rings off-hook, max time on-line, HP volume, ringer and microphone, adding custom ringtones, option strikes, report / transfer number, IP address and Netmask, cascade dialling, direct call numbers, SIP settings, codecs, button press time (call taking, cancelling communication), adding three broadcast messages …
POSSIBLE OPTION WITH SIP LELAS SERVER	• Simultaneous calls depending on the server (from 30 to 60). • Supports up to 500 SIP terminal registrations. • Supports up to 32 participants in conference, invitation to a conference. 99 conference channels. • Supports Static Queue Mode with different strategies (Simultaneous, Linear, Less Recent, Less Call, Random, Circular with Memory). Editable music broadcasting. Interception of calls. • Voicemail, consultation with PIN. • Interactive voice answering machine. • DND call forwarding (Do not disturb, call forwarding if busy, if no answer, unconditional …). • Recording of communications (WAV format) saved on SD card.
SIP SERVER LANGUAGE	• English, French, Chinese.

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