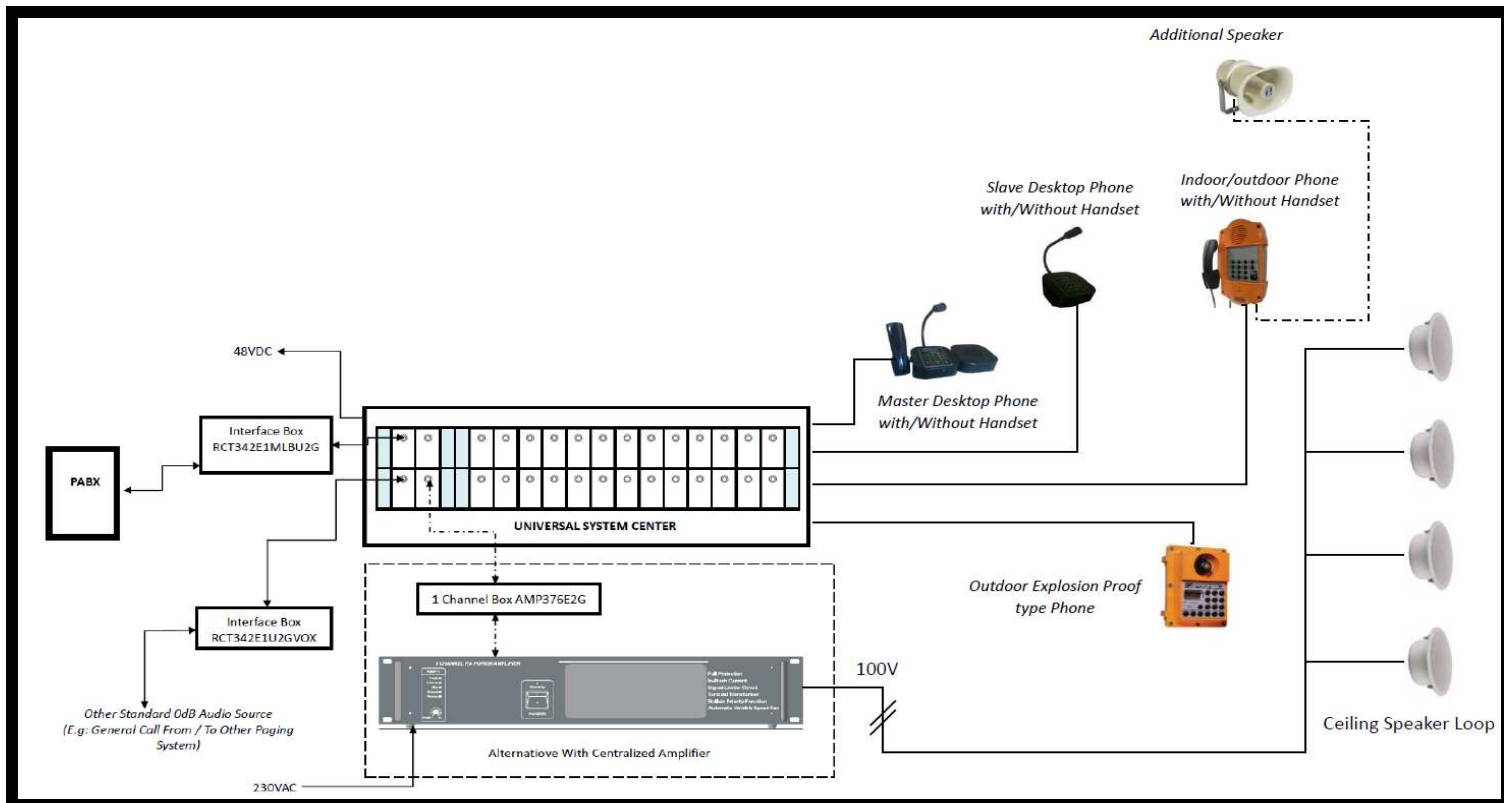




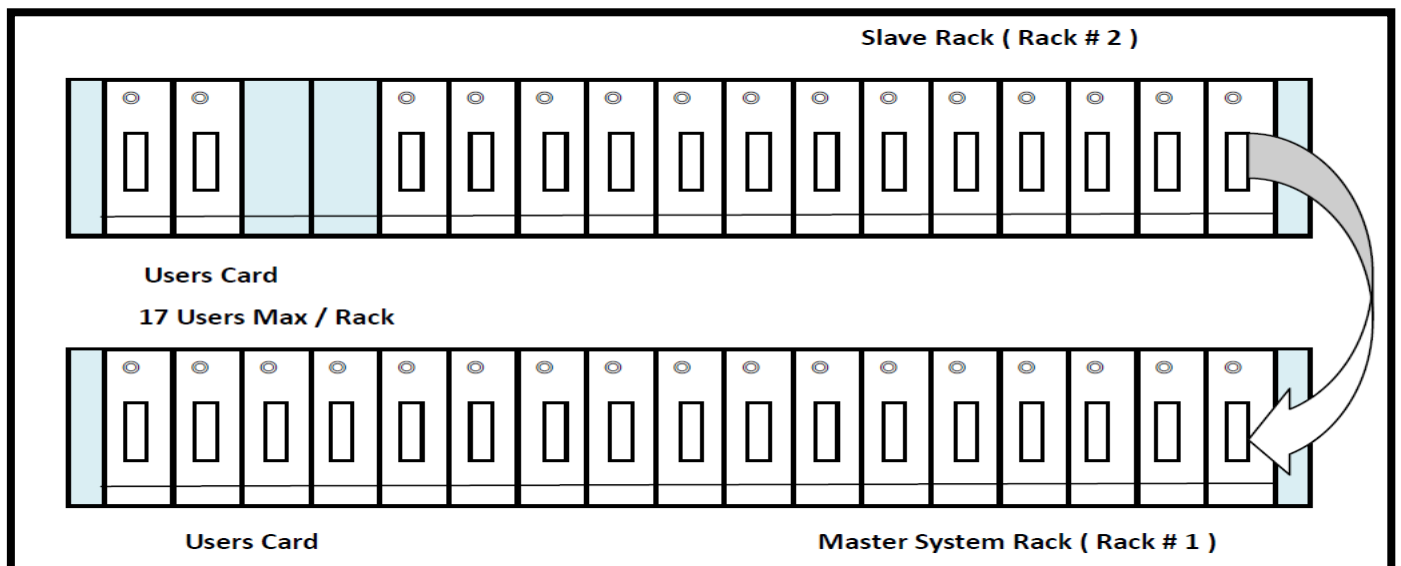
PUBLIC ADDRESS & INTERCOM SYSTEM

This system is specially designed to operate in the most hostile conditions: noise, corrosion and weather extremes, vandalism. The 'UNIVERSAL' range of intercoms are the result of LE LAS experience of installing such equipment in hundred of locations in extreme conditions, throughout the world. This system also provides Public Address facilities using internal and external loudspeakers.

Connection Scheme



Configuration Examples





- **Ease of listening:** Every communication is perfectly audible in all circumstances. The volume of the loudspeaker is optimized and adjustable remotely from the Master phone
- **East to Install:** Star type by 1 pair 0.6 / 0.9mm cable.
- **Powerful phone:** 1 / 5W built in speaker (5W built in amplifier) inside of indoor phone and 15W(20W built in amplifier)for outdoor phone.
- **Safety:** Substation operates in 'hands free' mode and Master Phone Talk/Listen alternatively



TLS376

UNIVERSAL CONFIGURATION

- **Star type network**
Consists of a Master Phone and up to 99 Sub-phones only direct call to Master phone
Option: Max 3 Master phones at same network, or all Master phone configuration.
- **Centralize Amplifier type network**
Possible to add center Amplifier for PA&GA, provide speaker loop monitoring and amplifier standby function.



TCH202

POSSIBILITIES OF UNIVERSAL

- Directly call by dialing or push button, for a privately point to point conversation
- General call / Group call and Conference
- Possibility of installing only loudspeakers with amplifier box for public address
- Easy programming from Master phone or PC with software (sound volume, numbers of stations, type of programs, quantity of rings before answering and so on) and auto test the status of system. Possibility of recording the conversations
- Hands free phone or full additional duplex handset as demand
- Possibility to make interface with PABX system – general call to Universal system
- Possibility to make interface with other Paging system
- LCD display on Master phone shows: programmed codes, storage in memory of calling phones, set up of several phones in conference and so on.
- Message distributed across on or several predefined zones (general call priority, or zone call), by using network stations and/or amplified loudspeakers or volume amplifier with loudspeakers.



TLH214

UNIVERSAL INSTALLATION

Simple and very flexible, installation is independent of configuration

- **Star installation** :Connection of each station by a single cable, with 0.9 mm screen cable. Central junction box providing easy installation.
- **Power supply** :48V(24 adjustable) central power (above 800 meters) or local power (25Km)according to the sitting of phones. Installation possible on existing low current cable network or optical fiber.
230V as demand.
- **Choice of equipment** : Medium or high volume stations (5 or 15 Watts). Phone with keypad or 1 call button are available in desk mounted, flush-mounted, weather proof, or explosion proof version.
- **Options** :Audio visual extension ringer, Sound extension by amplifier or loudspeaker, Remote control by relay, Tele-surveillance, acoustic booths, Link to amplifier exchange, radio network, etc.....



TLH250



TLH402



OUTDOOR WEATHER PROOF MASTER PHONE

Outdoor weather proof phone **376 / 402 / 344** series is IP65/66 phone for indoor/outdoor use. External 15 / 30W loud speaker for field with giant noise.

MACHANICAL CHARACTERISTICS:

Body material :

TLH376 EG*/ 344EG* :.....Aluminium / Orange RAL2003

TLH402EGG* :.....Polyester carbon/ Orange RAL2003

T= / 100 Lines system capacity*

Microphone:.....Anti noisy / built in Microphone

Loudspeaker: 5 / 15 Watt Built in Speaker

Mounting: Wall mounting

Termination:..... Inside screw connections

Dimensions:

TLH376 EG* :.....316 x 190 x 65 mm

TLH344EG* :..... 190 X 300 X 182 mm

TLH402EGG* :.....201 X 320 X 113 mm

IP-rating:65 / 66

Weight:

TLH376 EG* :.....4.2 Kg

TLH344EG* :.....7.2 Kg

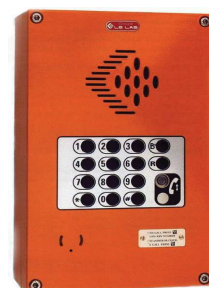
TLH402EGG* :.....2.3 Kg

Max. / min. Work Temp:.....-40°C / + 60°C

Cable Glands:2 entres with Weatherproof type cable glands



TLH344EG*



TLH376EG*

ELECTRICAL CHARACTERISTICS:

Power :24 - 48 VDC, Option 230 VAC

consumption:..... 0.5A / 48Vdc

Maximum level of sound by built in Speaker:

TLH376 EG*/ TLH402EGG* :90 dB/ 1 meter

TLH344EG* :..... ≥110 dB at 1 m

Built Amplifier:

TLH376 EG* :.....5 Watt RMS

TLH344EG*/ TLH402EGG* :.....20 Watt RMS

Sound level: Adjustable by button

LCD display: To show the programmed codes and calls



TLH402EGG*

OTHER CHARACTERISTICS:

Conversation Mode:PTT(Push To Talk mode) in hands free or full duplex by handset

Functions:Programming, general call, conference call, group call, individual

Additional Visual:..... Incoming call visual flashing beacon, built in type at front face / Top of phone

callConnection:Star cable connection

Cable:1 or 2 pair, 0, 9 mm²



LOUD SPEAKER (Suit)

EXPLOSION PROOF SPEAKER RED225A1C1A

Material / Color: aluminum light alloy /orange
 Power, Watts: :15 / 25 W
 Input impedance standard model: ... 16 ohm.
 Frequency Response: 370 – 7000 Hz
 Max S.P.L:125dB
 ATEX Level: ATEX EExd IIC + H2 T6 GD
 IP rating:IP 66
 Dimensions:..... Ø 25cm x 35 cm
 Nett weight:8 Kg
 Max/min ambient temperature:..... -40° C to +70° C
 Possibility of choice between amplified loudspeaker with **15Watt amplifier (RED225A2C)**
 and 100 Volt line loudspeaker (**RED225A1C1D**)



WEATHERPROOF LOUD SPEAKER RED364A1C1A

Material / Color: aluminum light alloy /orange
 Power, Watts: :15 / 25
 Input impedance standard model: ... 16 ohm.
 Frequency Response: 370 – 7000 Hz
 Max S.P.L:125dB
 IP rating:IP 66
 Dimensions:..... Ø 25cm x 35 cm
 Nett weight:8 Kg
 Max/min ambient temperature:..... -40° C to +70° C
 Possibility of choice between amplified loudspeaker with **15Watt amplifier (RED364A1C1E)**
 and 100 Volt line loudspeaker (**RED364A1C1D**)

ACCESSOIRES OF SYSTEM

POWER SUPPLY MODULE

Integer Power Supply BAT179PV10

MAIN CHARACTERISTICS:

Input:115V/5.8A, 230V/2.9A 50/60Hz
 Output:48V / 10.5A
 Dimension:242.5 X 114.5 X 56mm
 Weight :1.6 Kg



BAT179PV10

Outdoor Weatherproof type power BAT376E2VA48

MAIN CHARACTERISTICS:

Material/colour:aluminum light alloy RAL2003
 Input:115 to 230VAC 50/60Hz
 Output:48V / 2.3A
 IP Rating:66
 Dimension:300 X190 X 65mm
 Weight :4.5 Kg



BAT376E2VA4



ACCESSOIRES OF SYSTEM (Suit)

CENTER JUNCTION BOX BDV 376E1P12CF

UNIVERSAL 2G system center JB box, for Max 12 phones. 12 enters with cable glands.

MAIN CHARACTERISTICS:

Material/colour:aluminum light alloy RAL2003
 IP Rating:66
 Dimension:300 X190 X 65mm
 Weight :4.5 Kg



BDV 376E1P12CF

UNIVERSAL / PABX INTERFACE BOX RCT342E1MLBU2G

RCT342E1MLBU2G provide the possible to received 'General Call' from PABX system.

Box includes:

- 1 telephone card WK140MLT
- 1 Universal Mother card WK234U2G
- 1 Relay card WK026CRG
- 1 WK066EAG card

MAIN CHARACTERISTICS:

Material/colour:aluminum light alloy RAL2003
 Power Input:24/48V
 IP Rating:66
 Dimension:242.5 X 114.5 X 110mm
 Weight :5 Kg



RCT342E1MLBU2G

UNIVERSAL / PAGING INTERFACE BOX RCT342E12GVOX

UNIVERSAL system provide possible sending /receiving OdB Voice general call / Paging from other system, such as from Page Party Line of other manufacture, Alarm system etc.

Box includes:

- 1 Universal Mother card WK234U2G
- 1 Vox control card
- 1 Relay card WK026CRG
- 1 WK066EAG card
- 1 sortie of audio

MAIN CHARACTERISTICS:

Material/colour:aluminum light alloy RAL2003
 Power Input:24/48V
 IP Rating:66
 Dimension:242.5 X 114.5 X 110mm
 Weight :5 Kg



RCT342E12GVOX