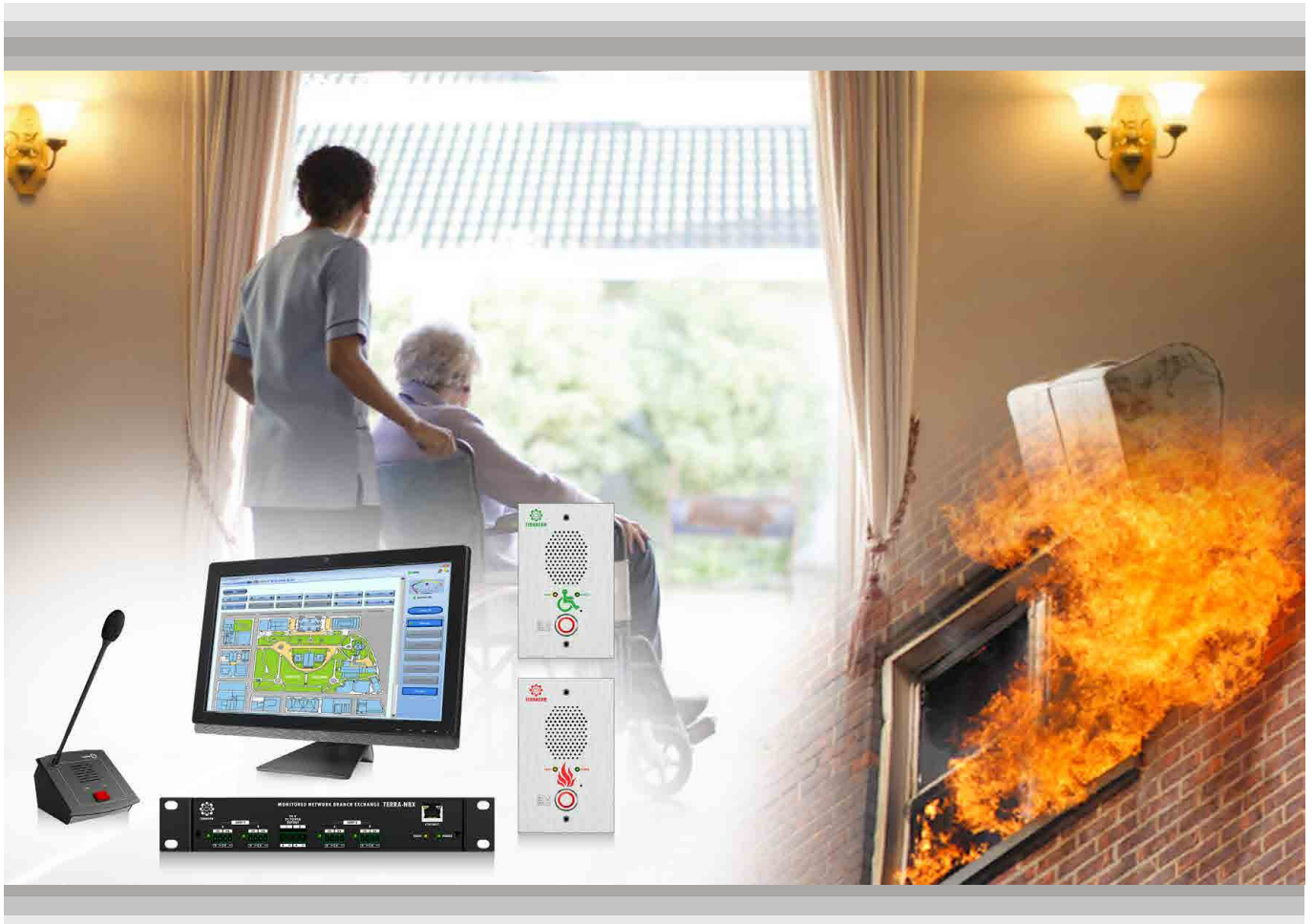




EMERGENCY VOICE COMMUNICATION SYSTEM



EVCS BROCHURE



IP HYBRID COMMUNICATION SYSTEM EMERGENCY INTERCOM • ACTIVATE • RESPOND

The EVCS is an emergency communications system designed for use as fire, disabled refuge and help point communications. The system allows people who need assistance to call the Operation Control Centre (OCC), and enable the OCC to call the end points. The refuge areas must meet certain criteria, the TERRACOM EVCS is designed to comply with BS5839, Part 9, 2011, which meets the standards of secure, monitored, bi-directional, full-duplex voice communication system, to assist fire fighters and emergency personnel in the management of an emergency situation. The system is ideally suited for use in many applications such as high-rise buildings and large sites where radio or cell phone access communication may not be possible during an emergency.

The EVCS consists of TERRA-NBX IP hybrid hub and TERRA-FIT digital flush-mount fire intercom unit. The TERRA-NBX unit can be powered by AC mains and/or connect to an external 24 VDC backup power supply. The power and data transmission of the TERRA-FIT is provided directly from the TERRA-NBX. The TERRA-NBX has 4 communication ports (2 redundant loops), each port can connect up to 16 x TERRA-FIT with a total of 64 per unit (4 ports x 16). They can be wired in a daisy chain configuration or 32 TERRA-FIT can be wired in 2 x redundant loops (2 loops x 16 TERRA-FIT). The control signal of the TERRA-FIT units in redundant loop or daisy-chain configuration can be run up to 250m between devices. The DLR01 digital loop repeater can be used to extend the distance by another 250m to 500m. The TERRA-NBX powers the connected TERRA-FIT units without the need for a local PSU.

The two-way communication between the emergency control center and refuge areas can also be managed via our TerraManager Graphical User Interface (GUI) software. It provides a simple and intuitive way for the operator to control and manage communications as well as monitor the whole system and quickly determine where assistance is required.

FEATURES

- Full duplex intercom
- Acoustic Echo Cancellation and Ambient Noise Reduction
- Up to 64 Terra-FIT can be wired in daisy chain or up to 32 Terra-FIT in redundant loop
- Maximum distance between Terra-NBX to Terra-FIT, Terra-FIT to Terra-FIT is up to 250m via STP CAT5/6 cable
- Web browser for control, monitor and management
- Easy integration with TerraManager and IP-PBX via SIP protocol
- Terra-FIT can be powered from Terra-NBX or local DC power
- BS5839, Part 9, 2011 compliant

APPLICATIONS

- High-rise buildings, commercial offices
- Retail & shopping malls
- Department stores, leisure center
- Industrial & warehouse
- Education institution, university campus
- Hospital, health center



SYSTEM COMPONENTS

TERRA-NBX
IP Hybrid Hub

- Control, program and monitoring via web browser
- Up to 64 x TERRA-FIT can be wired in daisy chain or up to 32 x TERRA-FIT in redundant loop
- AC mains power supply and/or external 24VDC power adapter
- Fault indication on front panel LED, web browser interface and TerraManager GUI software
- Connect to TERRA-FIT with a maximum distance of 250M via STP CAT5/6 cable


TERRA-FIT/TERRA-DAR
Digital Fire & Disabled Refuge Intercom Unit

- Built-in monitor loudspeaker
- High sensitivity, omni-directional microphone
- Stainless steel finish on front panel
- Simple push to call button to initiate 2 way communication
- Braille characters (call button) on the front panel for the visually impaired
- Call button LED indicates 3 modes: intercom, request to speak and page by TerraManager for the hearing impaired
- Fault indication on front panel, web browser and TerraManager
- Full duplex audio with Acoustic Echo Cancellation and Ambient Noise Reduction
- Connect to TERRA-NBX or TERRA-FIT/TERRA-DAR with a maximum distance of 250m via STP CAT5/6 cable


DLR01
Digital Loop Repeater with Power Injector

The DLR01 is a digital loop repeater which extends wiring distances of TERRA-FIT and TERRA-DAR intercom unit. It is designed for secure bi-directional communication. If the control signal between remote devices either in a redundant loop or daisy-chain configuration needs to be more than 250m the DLR01 can extend the distance by a further 250m. It is equipped with an external 24VDC input, providing local power to the connected TERRA-FIT and TERRA-DAR.


TERRAMANAGER
GUI Control and Monitoring Software

The TerraManager is a Graphical User Interface (GUI) software, providing Unicast/Multicast/Broadcast paging, IPS (Internet Paging Service) paging, full duplex intercom, music streaming, background music routing, message playback, recording, event, bell scheduler, device I/O monitoring, TTS SVE (Text To Speech-Synthetic Voice Engine), volume control functions and device management.

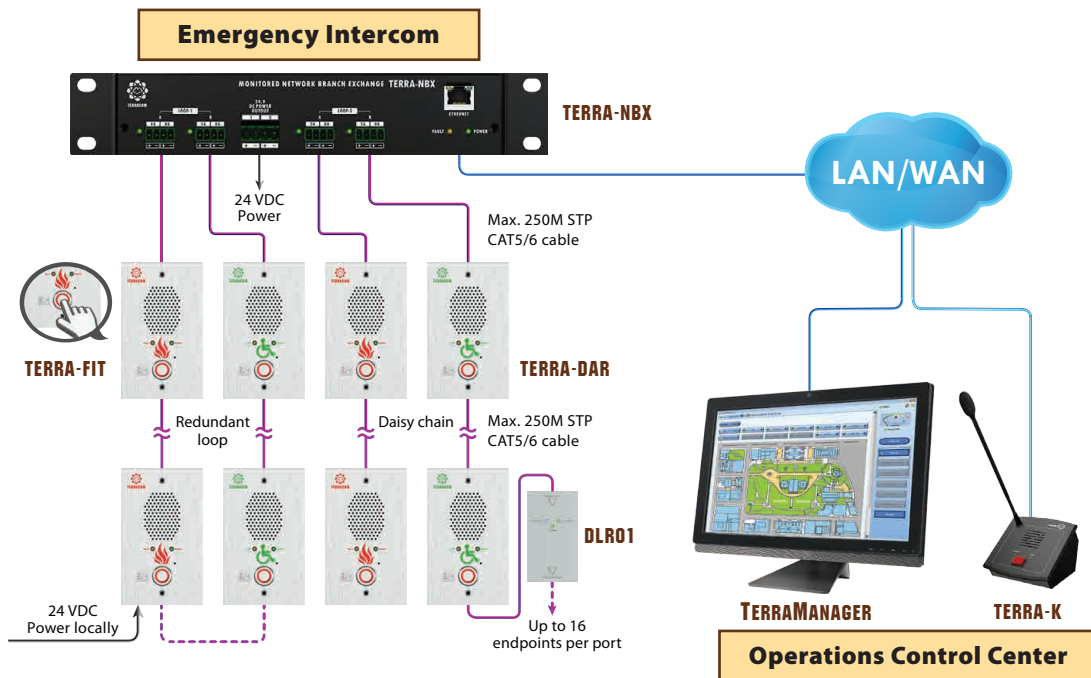

TERRA-K
IP-Based Intercom Microphone

The TERRA-K PoE intercom microphone is designed to be deployed anywhere on the network, it can be programmed to call a single zone, group of zones, or all zones. The TERRA-K can be used with TerraManager, providing paging, intercom, recording and monitoring function.


PPM-IT5
IP-Based Touch Screen Paging and Intercom Console

The PPM-IT5 is a touch screen paging console that provides the ability to make paging announcements to a single zone, a group of zones, intercom, recording, messaging and logic control such as door entry, lockdown or lighting control, all with a touch of a button. The settings can be configured via web browser.

SYSTEM DIAGRAM



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