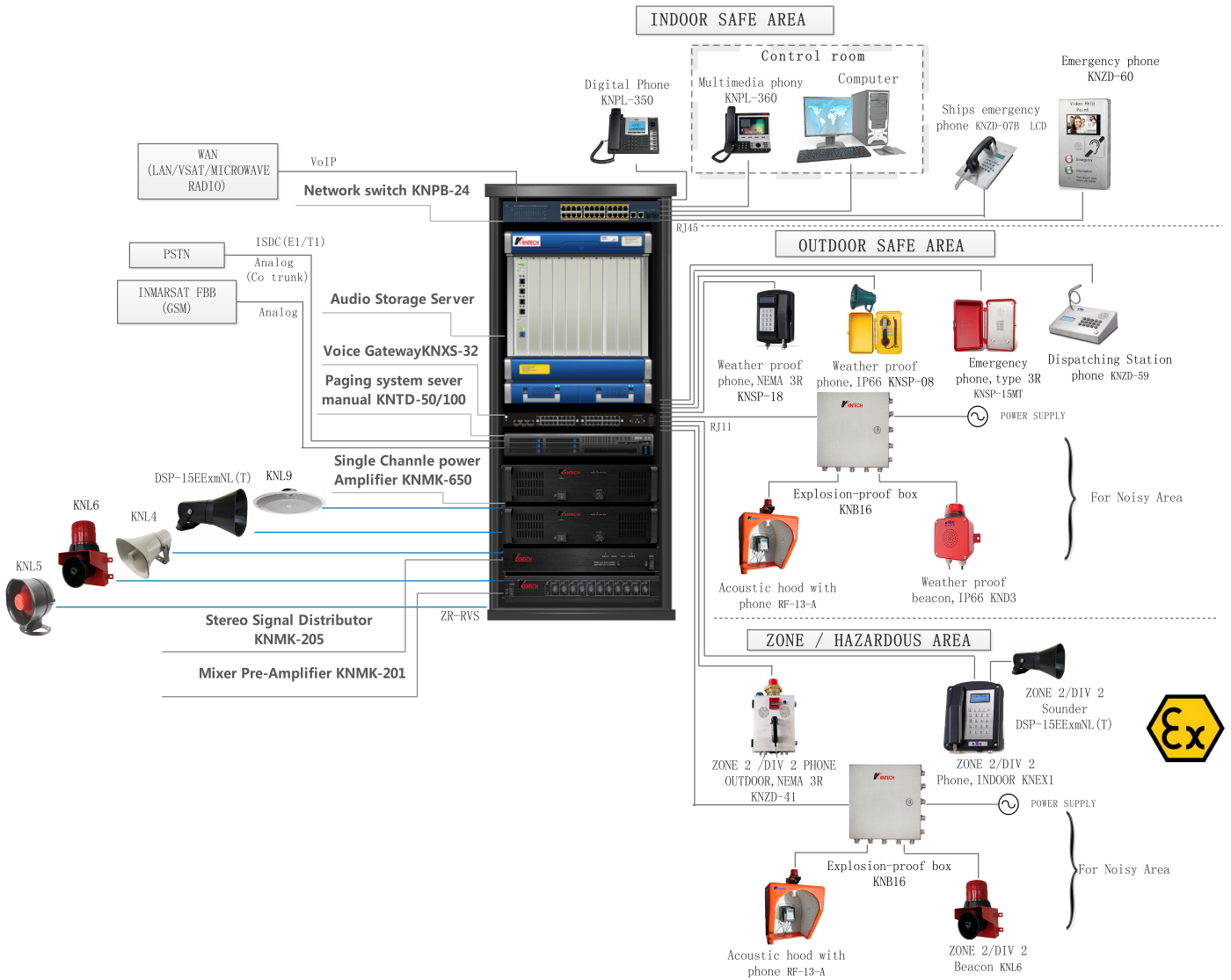


KNTECH PAGA System Instructions

PAGA system configuration diagram



PAGA SYSTEM



1. Description

KNTECH Offshore platform PAGA (Public Address and General Alarm) system is an important part of internal communication. PAGA technical field is integrated PABX (phone system) and the audio / video intercom, paging, broadcast, commend and other communication function. Function of the system is characterized by diversity, serve for big area and long transmission distance. This PAGA system is the current international mainstream platform PAGA system configuration and function analysis, formed a relatively safe and reliable, economic and reasonable Offshore platform. In addition, the PAGA system is also widely used in railway stations, airports, docks, schools, shopping malls, ships, etc. The project is optimal design for this system, which is a helpful reference for related engineering and technical personnel.

2. Offshore platform PAGA system's composition and function

2.1 The composition of Offshore platform PAGA system

For the offshore platform, the basic composition of PAGA includes three parts:

- (1) The PAGA host, including the main controller module, audio and video media module, a power amplifier module, power module, frame and other auxiliary modules.
- (2) PAGA operating station, including the main control station, remote control station.
- (3) Terminal equipment, including speakers, sound and light alarm device, emergency waterproof /explosion-proof telephone and so on.

2.2 The function of Offshore platform PAGA system

For offshore platform, its PAGA system basic function includes three parts:

(1) Public Address, also namely the function of PA

The main functions are the platform Public Address and voice broadcast. It is the highest use frequency on function of this system. Platform staff through telephone station or audio system input port, and the voice information will be broadcast through a speaker on the platform, finally it achieves the public address. The system should make the people who are usually from place to place can hear the radio clearly in daily operation. In addition, the system shouldn't need to be recipient for any action to receive the broadcast information. Broadcasting system can also have the function of distinguish different region.

(2) General Alarm function, also namely the function of the GA

The function is mainly refers to play the General Alarm information on the platform. It is the combination of security system. When the platform in an emergency, the staff can trigger the corresponding alarm, or this alarm will be triggered automatically by security system to make staff do relevant emergency operation. The PAGA system can realize general alarm function via tone generator. The tone generator stores up to 30 editable tones, meanwhile, it provides 30 interfaces to other system for alarm initiation/alarm ending. In the mean time, it's possible to program different alarm initiation (e.g., fire alarm, gas alarm, abandon alarm) as well as alarm ending function to the button of per control station. The GA function of the system is as below,

- alarm tone can be initiated/ stopped from either control station or I/O interfaces from F/G system or control system
- editable alarm tones are stored in tone generator
- control station can make emergency speech over alarming

(3) Phone functions, also namely the function of BX

A powerful PAGA communication system include the PABX system (telephone system). The function is applied to the platform's emergency calls, emergency intercom, video intercom telephone, also dispatching function of platform. In daily work, the staff who need to communicate with other post staff or post to meet emergencies can convey the information by using emergency phone call, including all calling, single calling, group calling function. Control center staff can use command functions to achieve single-call, group-call, all-call, interrupt-call, replace-call, monitor, busy indicator, order-call, Area-call and other operations.