LDD 8956 CENTRAL CONTROL EXCHANGE

INTRODUCTION:

This Public Address System offered is meant for independent two-way communications network in the industrial plant. Functionally, the different process unit and offsite areas of an industrial plant will be inter connected with the central control room through this communication network. Compatible with all types of industrial paging systems.

The CCE is a microprocessor based exchange. The CCE is provided with a switching matrix of relays for communication. There are two modes of communication provided in this system, i.e., PAGE to address large area and PRIVATE to hold conversation. The Standard CCE can be expanded from 8 way to 32 way with one or two MCD. In special case, we can expand up to 96 way with up to 8 MCD. The cards used in the CCE is in modular type and distributed in standard 19" sub racks. The details are explained in GA drawings. Please contact our office for further details.

The P.A. System network mainly comprises with the following items:

1. Central Control Exchange (CCE)
2. Master Control Unit (MCU)
3. Field Call Stations (FCS) with accessories (Junction Boxes and Loud Speakers)
4. Cables for interconnection.

INDUSTRIAL PAGING SYSTEMS
D.D. SYSTEMS
Everything is Possible

MECHANICAL CONSTRUCTION :

General Arrangement and size of the rack are made as per customer requirement.

CONSTRUCTIONAL DETAILS :

The CCE is made of a free floor mounting type rack. The sub racks used in exchange are 19" standard sub racks. The front and rear doors of the rack has locking facility. The side covers can be opened for any service if required. The rack is supplied with 100mm base frame or with castor wheels.

INTERCONNECTIONS :

The cables from field stations and master control station are terminated on terminal blocks, which is easily accessible from the bottom of the rack or from front side. The detachable gland plate is provided at the bottom of the rack, which can be removed & holes punched to facilitate the entry of cables. All the cards/ modules used in this system are plugged and distributed in sub racks. Euro connectors are used to interface the same with motherboard. It is very easy to add some cards for further expansion.

CONTROL & FACILITIES :

1. Fan cooling facility is provided to circulate the air with in the rack.
2. Non blocking type of communication.
3. Single communication channel mode.
4. Independent PAGE and PVT channel. When PVT channel is in use PAGE channel can used for the same location without any system limitations.
5. The CPU module has LED's indication to indicate the CPU function.
6. Interface of EXISTING PLANT EPABX is possible. EPABX INTERFACE can be done on zone wise or on ALL CALL basis.
7. Direct interface for the FDA SYSTEM is possible.
8. Music & Pre-recorded messages on Zone wise or on ALL CALL BASIS.
9. Power ON LED's are provided for indication.
10. On mains panel, MAINS ON lamp is provided to indicate the Panel ON indication.

ELECTRICAL SPECIFICATIONS :

1. Power Supply :

Rated supply voltage	: 110V/240V, 50 Hz (+/-10%)
Total Power Consumption	: 200 VA @ 240VAC at critical condition
2. Input Signal Level	: 0.1 Vrms to 2.00Vrms(+/- 50%)
3. Rated o/p	: 0.1 Vrms to 2.00Vrms(+/- 50%)
4. Frequency response	: 10Hz- 40KHz
5. Signal to noise ratio	: - 90dB
6. Distortion	: 0%
7. Channel Separation	:- 90 dB

PROTECTION :

The communication channel lines can withstand indefinite short circuit & meets safety requirements as per IEC-65.

ENVIRONMENTAL SPECIFICATIONS :

Intended operating environment : Indoor, temperature controlled.

Ingress Protection	: IP 22, IP 32 & IP 42.	
Temperature range	: Operating	: -10°C to +55°C
	: Storage	: -40°C to +70°C
Relative Humidity	: Operating	: < 90% R.H.
	: Storage	: < 95% R.H.

D. D. Electronic Equipments Private Limited

Work Address :
32/33, Prestige Plaza I,
Opp. Formica Akurdi, Pune - 411 035.
Tel : 020 - 27249123/ 24, 09595578095
E-mail : info@ddsystems.in
Website : www.ddsystems.in

DEALER'S ADDRESS :