

MASTER CONTROL DESK LDD 8950/XY



INTRODUCTION:

LDD 8950 is a microprocessor based master control desk, can be used together with LDD 8955 Communication System from D.D. Systems. It is designed for use in Control Stations or Control Rooms.

The basic configuration of the desktop intercom station has 1 operating layer with up to 24 display keys which can be individually configured. To implement more communication solutions, you can easily upgrade the touch display to 2 operating layers with up to 96 display buttons. The Second layer with 8 keys are used for Hot Keys with special functions. The modular design allows for further flexibility to add upto 3 additional keypads to the desktop intercom station at any time.

Easily Expandable

Based on customer or application requirements the intercom station can be expanded by a handset and up to 3 additional keypads. Thus a total of 104 mechanical keys is possible.

Flexible

The basic configuration of the this desktop intercom station has one operating layer with up to 24 freely programmable display buttons & 5 keys for special function like Epabx, Alarm Buttons and 3 keys for Hot Keys like DROP OUT KEY, ALL CALL KEY & SIMPLEX Keys.

CONSTRUCTION:

This unit is desk top mounting type unit made of CRCA sheet. This unit has a built in Goose-neck microphone with a noise cancelling type dynamic capsule & a built-in 2W (rms Power) loudspeaker with back illuminated keypad of 32 keys (feather touch type) and with a PRESS TO PAGE SWITCH.

This unit is supplied with 15 meters Cable to interconnect with the System.

COLOUR SCHEME:

This unit is painted in RAL 7032 or made as per customer requirement.

DIMENSIONS (WITHOUT GOOSE NECK MICROPHONE):

STANDARD MCD:
LENGTH: 391 mm WIDTH: 178 mm HEIGHT: 100 mm
WEIGHT: 4.5kg (with Gooseneck Mic)

MCD WITH LCD DISPLAY:
LENGTH: 410 mm WIDTH: 178 mm HEIGHT: 100 mm
WEIGHT: 4.6kg (with Gooseneck Mic)

MOUNTING:

This MCD can be mounted either on RACK OR CONSOLE OR FLUSH MOUNTING. Accessories are supplied with individual MCD.

INTERCONNECTIONS:

Individual MCD is supplied with 15 Meters multi pair cable. In case if the distance between the MCD & Central exchange is to be increased beyond 15 mtrs, then a junction box is required to terminate the unarmored cable. Exchange can drive the MCD up to a distance of 100mtrs only. Beyond this, a 24 Vdc power supply is to be provided at the MCD location.

INDICATIONS:

Keypad with a back illuminated orange LED bars are provided with KEYS and 3mm RED LEDs are provided near the keys to indicate that the keys are selected or not selected identification.

CONTROL & FACILITIES:

1. Dynamic, unidirectional microphone with adjustable sensitivity.
2. 4W audio output with pre-settable volume control.
3. 10 KHz band with providing excellent speech clarity.
4. Instant communication.
5. Variety of calling features such as:
 - Direct call
 - All call
 - Conferencing of up to 4 randomly selected field stations.
 - Inter MCU call.
6. Two modes of conversation: PAGE & PRIVATE (VOICE SWITCHED DUPLEX FUNCTION).
7. First 24 keys are call keys/station keys which is freely programmable.
8. 8 Keys for special function keys
9. PRESS TO PAGE KEY for PAGING FUNCTION
10. EPABX connectivity for talkback

DESCRIPTION : MASTER CONTROL DESK (MCD):

It is a small desktop mounted unit and consists of:

- * 24 call keys programmable to select field stations.
- * ALL CALL key.
- * MCD drops out key.
- * Private SIMPLEX key on the keyboard
- * Alarm keys (F1, F2, F3).
- * Global Call key (F4).
- * Press to Page switch.
- * EPABX Connectivity for TALK BACK facility.
- * Dynamic, noise canceling gooseneck microphone.
- * Built in 4 Watts loudspeaker.

The MCD has 24 nos. of programmable call keys to call the FCS. To call a particular FCS from the MCD the user will press the respective call key. There is a RED LED with each call key. The RED LED will glow steadily if the MCD calls the FCS or FCS calls the MCD (same LED will flash when the call is pending in the MCD).

The communication from MCD to any of the stations is a hands

free voice switched duplex communication and no number dialing is required as there is a separate key for each station. There is an LED on soft touch membrane key.

The MCD has two channels; Page and private. When a call is made between MCD and to any of the stations, both the channels get connected. The MCD can speak on page line using 'PRESS TO PAGE' switch or can converse on PVT channel without pressing any key. The FCS will always speak in the PVT mode with the MCD.

Protection:

The communication channel lines & data lines can withstand indefinite short circuit protection.

ENVIRONMENTAL SPECIFICATIONS:

Ingress Protection	:	Standard IP 42
IP 52 can be delivered in case of special request.		
Intended operating environment	:	Outdoor, not temperature controlled.
Temperature range	:	Operating : -10°C to +55°C
	:	Storage : -40°C to +70°C
Relative Humidity	:	Operating : < 90% R.H.
	:	Storage : < 95% R.H.

TYPES

LDD 8950/00 - STANDARD MCD (GOSENECK MIC WITH BUILT IN SPEAKER)

LDD 8950/02 - STANDARD MCD (WITH HANDSET & BUILT IN SPEAKER)

LDD 8950/10 - STANDARD EXTENSION MCD FOR 32 ZONES

LDD 8950/20 - MCD WITH GOOSENECK MICROPHONE, BUILT IN SPEAKER WITH LCD

LDD 8950/22 - MCD WITH HANDSET ASSLY, BUILT IN SPEAKER WITH LCD DISPLAY
(Facility to cut mic and speaker when handset is lifted)

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