

#### DESCRIPTION

Model DG-12II is a 12 zone alarming sound activated audio monitoring base station. When combined with companion unit DG-MA (Listen/Talkback Amplifier) and interfaced with remote speaker/microphones, it provides a sound activated duress audio system with two-way communications. Each zone has a variable threshold level control, based on frequency and sound pressure level, and a variable alarm delay (from 0.1 to 3.2 seconds) that can be set by using the built-in tester (included) for **alarm audio** and **time delay**. The time delay feature is effective in reducing false alarms. The DG-12II is supplied with 12 zone cards. When a sound or disturbance occurs that is **below** the preset threshold level, the nearest microphone detects the sound and identifies the zone with a lighted LED that blinks GREEN. If the sound **increases**, the LED intensifies to a solid GREEN. If it **exceeds** the preset threshold, the zone goes into alarm, with the zone LED changing to RED, along with a 3 second beep. A relay contact closes to activate a camera or other annunciation. The person at the remote station can communicate hands-free with personnel at the base station. The person at the DG-12II can talk/listen with the remote station by pressing the zone switch. Talkback to the remote station is with a hand-held microphone (provided) that is connected to the companion DG-MA Listen/Talkback Amplifier. Zone alarm can be cancelled by automatic or manual reset feature. Automatic re-set can run between 3 sec and 3 minutes. All LOUROE Microphones (A, B, C, D, D-V, E, K and L-DT) and all Speaker/Microphones (Models TLI, TLM, TLMC, TLO, TLSP and TLSP-PB) are compatible with the DG-12II.

#### APPLICATION

- Parking Structures
- Correctional Facilities
- Public Access Buildings
- Juvenile Detention Centers
- Elevator Cabs
- Elevator Lobbies
- Stairwells
- Hallways

#### WIRING REQUIREMENTS

2 Conductor **shielded** cable, 22 gauge with a 24 gauge drain wire

**NOTE:** Unshielded cable is not satisfactory for audio systems



#### COMPANION DG-MA

Monitor/Talkback amplifier provides:

- ◆ Two-way listen/talkback between base station & remote units
- ◆ "All-Call" for addressing all zones simultaneously (12 zones maximum)
- ◆ Input/output to DVR/VCR for audio recording & playback



MODEL DG-12II

## FEATURES

- 19" Rack mountable
- Variable threshold level control based on frequency and sound pressure
- Bi-color LED (each zone). GREEN when monitoring, RED when in alarm
- Variable alarm delay control (from 0.1 to 3.2 seconds)
- NO/NC relay contacts for each zone for activating camera or other annunciations
- Two threshold level settings - HIGH (night) and LOW (day)
- DAY and NIGHT threshold sensitivity switch
- Automatic or manual reset for alarm cancellation: auto reset variable from 3 sec to 3 min.
- Built-in tester for **alarm audio** and **time delay**
- Zone expansion (for up to six microphones or speaker/microphones per zone using Model MLA-6 Mixer)

#### SPECIFICATIONS

Power requirements for microphone	12Vdc @ 4mA
Input sensitivity @ alarm frequency	-20 dB
Monitor output frequency	100 Hz - 10kHz
Relay contact	0.5A @ 125 Vac
Alarm tone duration	3 Seconds
Power consumption	42W (standby) 60W (max)
Size	19"W x 7"H x 10 1/4"D
Weight	16.5 lbs. (7.48 Kg)
Finish	Black Anodized

#### WIRING REQUIREMENTS

- 4 Conductor consisting of:
- 2 Conductor **shielded**, 20 gauge with 22 gauge drain (microphone connection)
  - 2 Conductor **unshielded**, 18 gauge (speaker connection)
- All in the same jacket



## ARCHITECTS AND CONSULTING ENGINEERS SPECIFICATIONS

The Audio Monitoring System shall be Louroe Electronics Model DG-12II or approved equal. It shall consist of an audio base station with a 19" standard rack mountable chassis, 7" in height. As a 12 zone base station, it will process electret condenser, omni-directional microphones with a frequency response of 40 Hz to 15 kHz  $\pm$  1dB. Speakers used as microphones shall not be acceptable. The alarming audio base station shall provide an adjustable threshold level and variable alarm delay (from 0.1 seconds to 3.2 seconds) per zone. All 12 zones will be constantly listening. Systems that utilize zone scanning shall not be acceptable. Up to six microphones or speaker/microphones (with no more than 4 being speaker/microphones) may be combined for zone expansion, using a Louroe MLA-6 Mixer. (\*) Unit provides two-way communication between the base station and the remote station (speaker/microphone). Normal output to the speakers shall be 20W.

THE FOLLOWING FEATURES AND FUNCTIONS SHALL BE PROVIDED:

- NO or NC dry contacts (each zone) for activation of a camera or other annunciation
- Two continuously variable threshold levels, high and low, for day/night operation
- Three second audio alert tone when a zone goes into alarm
- Variable alarm delay per zone from 0.1 second to 3.2 second (adjustable)
- LED zone alarm identification
- Bi-color LED. GREEN for monitoring, RED for alarm
- Three-position selector switch for MONITOR - OFF - TALKBACK with spring return to OFF
- DAY/NIGHT threshold sensitivity switch
- Automatic or manual reset for alarm cancellation. Auto reset variable between 3 sec and 3 min.

COMPANION MONITOR/TALKBACK AMPLIFIER, MODEL DG-MA, SHALL PROVIDE THE FOLLOWING:

- DG-MA is used in conjunction with the DG-12II for providing two-way communication and "All Call"
- 3" speaker for monitoring audio
- Hand-held microphone for talkback
- ALL-CALL switch for addressing all 12 zones simultaneously. (Maximum of 12 zones)
- LED indicator when talkback circuit is in use
- 20W output, 70V line
- Input/Output to DVR/VCR or other recorder for audio recording and playback
- Volume control for monitor and talkback
- Headphone jack
- Self contained power supply - 110 Vac

### IMPORTANT NOTICE

When this equipment is used as part of an audio monitoring system, the law requires that the public be given notice of AUDIO MONITORING ON THE PREMISES. A decal notice is included with each microphone shipped.



Federal Law References:  
 Federal Regulations, US Code, Title 18,  
 Crime and Criminal Procedure, Sec 2510.

