

DG25III

ALARMING SOUND ACTIVATED BASE STATION

TECHNICAL DATA SHEET

DESCRIPTION

Model DG-25III is a 25 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-25III is supplied with 25 zone cards. When a sound or disturbance occurs that is **below** the preset threshold level, the nearest microphone detects the disturbance and identifies the zone with a lighted LED that blinks GREEN. When 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-25III 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. The Model DG-25III can be cascaded up to 10 units for a total of 250 zones. All LOUROE Microphones (Models 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-25III.

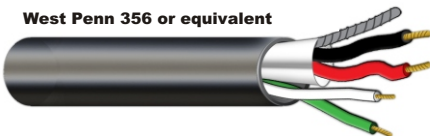
APPLICATION

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

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

West Penn 356 or equivalent



If using microphone for two-way listen/talkback

COMPANION DG-MA

NOTE:
DG-25III requires companion unit Model DG-MA Monitor/Talkback Amplifier. **Details on back page.**



MODEL DG-25III

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	50W (standby) 75W (max)
■ Size	19"W x 7"H x 10 1/4"D
■ Weight	17.5 lbs. (7.95 lbs)
■ Finish	Black anodized

WIRING REQUIREMENTS

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

NOTE: Unshielded cable is not satisfactory for audio systems

West Penn 452 or equivalent



If using microphone for one-way/listen only

INSTALLATION AND OPERATING INSTRUCTIONS

ARCHITECTS AND CONSULTING ENGINEERS SPECIFICATIONS

The Audio Monitoring System shall be Louroe Electronics Model DG-25III or approved equal. It shall consist of an audio base station with a 19" standard rack mountable chassis, 7" in height. As a 25 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 25 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. (*) Companion unit Model DG-MA provides two-way communication between the base station and the remote station. Normal output to the speakers shall be 20W. The system shall have the capability to expand to 250 zones by cascading up to 10 DG-25III Base Stations.

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
- Three second audio alert tone when a zone goes into alarm
- Variable alarm delay per zone from 0.1 to 3.2 seconds (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.
- Up to 10 DG-25III Base Stations can be cascaded for a total of 250 zones

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

- (DG-MA is used in conjunction with the DG-25III for providing two-way communication and "All Call"
- 3" speaker for monitoring audio
- Hand-held microphone for talkback
- ALL-CALL switch for addressing all 25 zones simultaneously. (Maximum of 25 zones)
- Outputs for connection to external amplifier for ALL-CALL to more than 25 zones (When cascading DG-25III's)
- 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

(*) The MLA-6 Mixer is used for zone expansion only

An MLA-6 with a combination of up to six microphones or speaker/microphones comprises one zone

