



## TRAIN DIGITAL SOUND GENERATOR – ETDSG



### Features

- TCP/IP connectivity. Set IP address (static)
- Emulates serial port - replacing RS-232 interface
- USB-B/M12 interface for configuration and servicing,
- 16 Input and 4 Relay outputs

### Benefits

- Programmable volume schedule per City Zone limits
- Upload/delete audio files with PC
- Save configuration file with all settings to a PC
- Input voltage 17-36VDC
- EN 50155 and IEC 61373 complaint

### Introduction

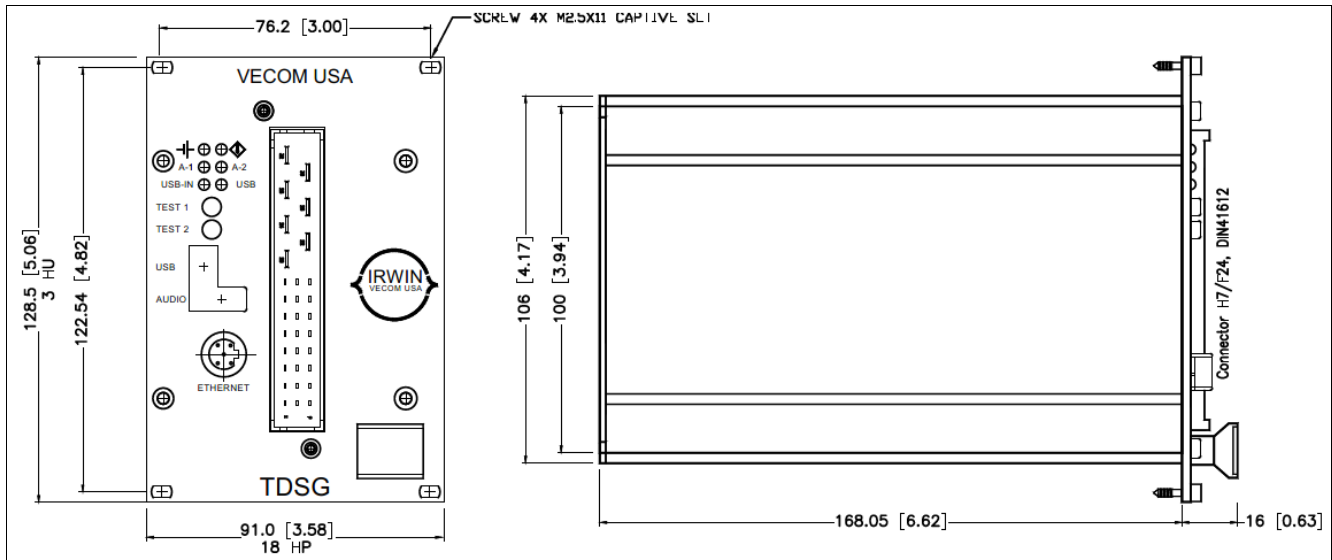
The Train Digital Sound Generator 200/25 (TDSG 200/25) provides automatic exterior and simultaneous interior digital announcements, sounds and tones for public transportation vehicles. The system consists of a Controller/Amplifier Unit which is mounted inside the vehicle connects to an exterior/interior speaker system.

### System Functions

- Announcements, sounds and tones can be initiated automatically by external input signals
- The vehicle operator can initiate announcements, sounds and tones manually by activating relevant pushbuttons
- The volume of announcements, sounds and tones can be configured for time-of-day segments using an integrated time clock
- Programmable High and Low Priority Inputs

### Service Tools

- Two pushbuttons on the front of the Controller/Amplifier Unit are used for initiating test procedures
- Four LEDs on the front of the Controller/Amplifier Unit display the system status
- A user-friendly software application is available for configuration and testing purposes



## Installation

We have two options for the installation of the TDSG, it can be installed in a rack or as a standalone unit

## TDSG Specifications: P/N 6950 0000 7041

Power Amplifier 1	Class-D 200 W at 8 Ohm	
Field Test Results	High Horn: 102 dB at 30m distance, Low Horn: 96 dB at 30m distance and Bell: 92 dB at 15m distance.	
Power Amplifier 2	Class-D 25 W at 8 Ohm	
Audio Bandwidth	20 - 15 kHz	
Audio Compression	MP3	
Communication Interface	TCP/IP and USB Interface	
Internal Memory	2GB micro-sd card	
Power Requirements	Power Consumption	24 VDC 8 Amps
	Input Voltage	17 ~ 36 VDC
Environment	Temperature	-13 ~ +158 °F (-25 ~ +70 °C), Operating
	Humidity	-95% @ 104 °F (40 °C) (non-condensing), Operating
	Vibration Resistance	1 Grms, IEC 60068-2-64, Random, 5 ~ 500 Hz, 1 Oct/min, 1 hr/axis, Operating
	Shock Resistance	20 G, IEC 60068-2-27, half sine, 11 ms, Operating
Physical Characteristics	Construction	Aluminum housing
	Mounting	19" Rack or Stand alone
	Dimensions (WxHxD)	3.58 x 5.06 x 6.62
	Weight	2.4 lb (1.08 kg)

## Ordering Information

Part Number	Description
6950 0000 7041-xx	ETDSG – 200/25