Dinplayer D-01

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COMMUNICATION SYSTEMS

Dinplayer is an advanced audio device with solid state memory, which has been designed to automatically play warning messages, voice alerts and all types of audio files.

Standard DIN clamp housing means that it can be used with different automation systems: PLC, industrial computers, touch screen operated terminals, automatic distributors, commercial promotion systems and various uses on switchboards.

Dinplayer is an high-technology device. It houses in a very compact space**:**

▸ **Stereo MP3 Player** (Mpeg 1 layer 3, from 64 to 160 Kbps res.), 1 Stereo unbalanced line level output.

▸ **20W Mono power amplifer** (4Ω ClassD). Stereo pre-amplified output.

▸ **6 opto-isolated logic inputs** to play audio files.

▸ **1 play status opto-isolated** logic output.

▸ **RS 485 serial port** for complete remote control.

▸ **4 front panel Play, Stop, FFW & RW and Volume**

SD & MultiMedia Card

Main Features

▸ High audio quality (comparable with CD quality).
▸ Very large memory space: Dinplayer can manage more than 8 hours of different audio messages, depending on the size (MB) of SD/MMC memory used.
▸ Reliability of the audio tracks: they are stored in digital format which ensures that the quality of the recorded messages is maintained over time.
▸ Hardware reliability: Dinplayer has no mechanical moving parts so it is not subject to any sort of wear.
▸ Quick, easy and intuitive files management.
▸ Message is played instantly, regardless at which point the audio track was stored.
▸ Removable SD/MMC memory enables quick updating of the audio files.
▸ Easy to operate: Dinplayer does not require any specific software to operate the archiving or management of the messages/audio files.
▸ Audio files can be transferred very quickly to and from a PC using USB reader/writer.
▸ Integrated power amplifier.
▸ RS485 serial port.
▸ Compact design to be fitted on standard DIN rail.
▸ PLAYLIST: operation with sequence of audio files as normal musical player.
▸ LOGIC INPUTS: direct selection or in binary combination of audio files (up to 63 files).
▸ RS485 SERIAL PORT: to interface with control systems for direct recalling of any messages/audio files stored in SD or MMC memory; no limitations on the number of files. Memory: no limitations on the number of files.
▸ Free Compact Flash configuration software.

Rear Panel (Inputs/Outputs)

1 Ground input
2 12/24 VDC
3 V-Play output
4 Line/speaker outputs
5 Logic inputs
6 RS-485 serial port

Technical Characteristics

▸ Mains voltage 12/24VDC.
▸ 6 opto-isolated logic inputs for the direct audio playing of 6 messages.
▸ Control of maximum 63 messages which can be activated via binary combination.
▸ 1 logic output (active during playing).
Memory configuration parameters for setting-up and storing:

  ▸ Output volume level
  ▸ Bass & Treble independent control level
  ▸ Loudness level
  ▸ Persistence time of the command on the logic inputs
  ▸ Loop/continuos play mode
  ▸ Restart mode

▸ Loop mode
▸ Local control of messages possible using only 4 keys.
▸ Dimensions 90x58x36 mm, width 2 DIN bar modules.
▸ SD and MultiMedia Card supported size: from 32Mb to 2Gb.
▸ MP3 formats supported: MPEG1 layer 3 (file MP3 from 64 to 192 Kbps).
▸ Amplifier power: 20W (4 Ω).
▸ Frequency Response: 20 ~ 20.000 Hz (±3dB).
▸ Signal/noise ratio: > 90dB.
▸ Harmonic distortion: < 0,1%.
▸ Flash memory included.
▸ Free Compact Flash configuration software.
▸ Weight:100gr