

**Description for the Functional Clock System:** Functional Clock System, implemented in factory environments, automatically plays MP3 format audio files loaded onto a USB drive to signal the start and end of work breaks for employees. This feature aids employees in adhering to their work schedules, facilitating greater efficiency in business processes. Additionally, the system's visibility from distant locations at schools and public transport points allows for effective time tracking.

#### Standard Features:

- Remote control adjustment (all settings can be done using the remote control).
- Up to 200 alarms can be set, with up to 24 alarms per day.
- Backup of 32 alarms for up to 3 shifts.
- No need to adjust daily standard alarms once set.
- Additional 32 alarms can be added for specific occasions (such as holidays).
- Alarm deletion capability (desired alarms can be deleted).
- Adjustable alarm duration between 1 second and 300 seconds.
- Utilizes Samsung white LEDs (2835).
- DS3231 RTC integrated for a yearly deviation of 1 minute.
- Maintains time information in memory for up to 10 years in case of power outages.

#### Technical Specifications: YE-FMS-1

- Model: YE-FMS-1
- Dimensions (Enclosure/Display): 80cm X 30cm X 3cm - 23cm X 12cm
- Visibility (meters): 75-100m
- Enclosure: 1mm DKP sheet metal, laser-cut, static paint
- Audio Output: 2 x 100W speakers
- Volume Control: Potentiometer
- Audio Input: USB Flash Drive
- Power Input: 110-240V AC
- Temperature Measurement Range: -99°C to +99°C
- LED Color: White (can be customized upon request)

<https://www.youtube.com/watch?v=uFMesSxM1Zs>

