

MCP-2350A

Compact public address system

Ideal for :

- Oil & gas
- Petrochemical industry
- Mining
- Hazardous industrial sites



Description

The MCP-2350A central amplifier is a compact, wall mount, safe area panel designed for use in aggressive industrial environments.

The unit is specifically developed to provide a menu of alarm tones and live voice paging drive to an associated projector horn or safe area loudspeaker array for purpose of site wide acoustic coverage.

The panel carries the following essential parts:

a) two 350 W amplifier modules

This unit is a highly developed mission critical audio power amplifier unit capable of 350 W.

b) one compact 1500 W rated power unit
Down converts AC to 48 VDC supply.

c) one loudspeaker loop termination

This device provides for self healing execution for up to eight loops – four loops connected to amplifier 1 and four loops to amplifier 2.

The package carries inputs to enable connection of two safe area microphone access units, which enable live speech and alarm tone broadcast initiation.

Alarms can be initiated by dry contact. Up to four alarm tone cadences are possible.

Key features

Safe and reliable

- Integrated line supervision
- Critical path monitoring
- Duplicated architecture

High efficiency

- Class G amplifiers
- Low heat emission
- Compact enclosure

User interface

- 4 dry contacts
- 2 microphone inputs

Mechanical

- Small form factor
- Wall mount

Specifications

Speaker load

350 Wrms per amplifier
700 W total

Inputs

4 dry contacts
2 live speech voice inputs

Supply input

110/120VAC or 220/240Vac
50/60 Hz

Speaker loops

Up to 4 loops per amplifier

Operating temperature

-20°C to +60°C

Power requirement

Full load : 800VA

Speaker loops

70 V line voltage (default)
100 V line voltage (option)
Monitored (LTD003)

Location

Safe area, shaded

Power requirement

Power factor : >95%

Dimensions

800 x 600 x 300 mm

Alarm tones

Up to 4 different

Weight

30 kg

