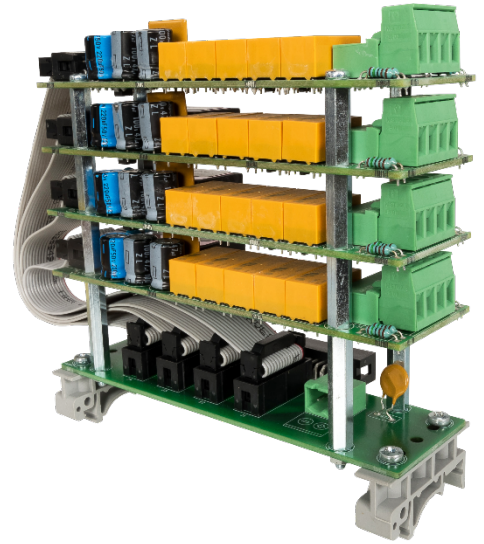




IS8200-100 Loop Monitor

Description

The IS8200-100 loop monitor is a device that connects to the output circuitry of any voice alarm evacuation system. It functions as a standalone system that controls a 100V loop speaker line network with TMCDAS IS8200 isolators.

The system is constructed with an IO PCB-C base board and a maximum of four IO PCB-B loop monitor boards. Each PCB-B board can power up to 90 isolators in a 100V speaker line and controls the signal path in two directions: from left to right and vice versa. The maximum output power per IO PCB-B board is 200W. The nominal power is 140W on the speaker line.

Short circuits in the speaker line will be detected immediately within 3 seconds, while interruptions or breakages will be detected within 100 seconds.

For correct operation, the loop monitor must be connected to an amplifier with a transformer. If the loop monitor is connected to a transformerless amplifier, a digital amplifier interface must be used.

Key Features

- Scalable Loop Capacity
- Bi-Directional Redundancy
- Rapid Fault Detection
- Sequential “Soft” Start-up
- High Compatibility & Integration

Specifications

Power requirement	24V DC
Maximum current	2A DC
Nominal power at 50V	100W
Nominal power at 70V	140W
Nominal power at 100V	200W
Maximum power at 100V	200W
Wire gauge for loudspeaker connection block	2,5mm ²
Wire gauge for power supply connection block	2,5mm ²