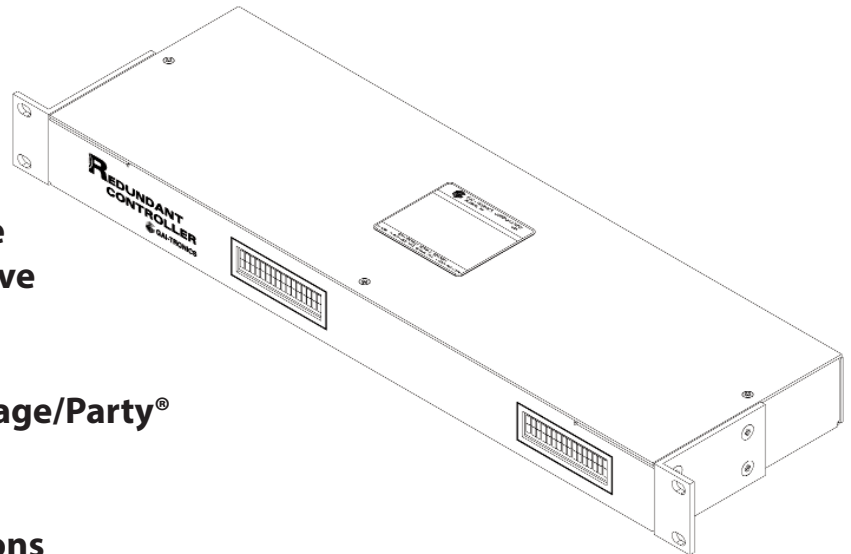


## Features

- **Allows two GAI-TRONICS Audio Messenger Interface units to be used in an “active / backup” configuration**
- **May be used with either Page/Party® or public address systems**
- **Single or dual configurations**



## Options

- **Model 10962-001 — Single AMI Redundant Controller**
- **Model 10962-002 — Dual AMI Redundant Controller**

The model 10962-001 and 10962-002 AMI Redundant Controllers (ARCs) are designed for use with either GAI-TRONICS Page/Party® or public address systems when redundant alarm tone / speech generators are required.

ARC modules work in conjunction with a pair of GAI-TRONICS' Audio Messenger Interfaces (AMIs). Each AMI acts as an alarm tone/speech generator to produce emergency tones and/or prerecorded speech messages.

The ARC and AMI devices can be connected in two different configurations depending on system requirements. If both AMIs are to be installed at the same location, one model 10962-002 ARC Module can be used to control both AMIs. If the AMIs must be installed at separate locations, one model 10960-001 ARC Module is required at each location. In

either configuration, one AMI acts as the “active” alarm generator and the other AMI acts as the “back-up.” Both AMIs are powered up and running. The ARC module(s) determine which AMI is active and which is the backup.

During normal alarm operation, input contacts are applied simultaneously to both the active and back-up AMIs. The ARC module(s) allow only audio from the active generator to play over the system speakers. The back-up AMI is held in standby mode to prevent mixing of the two AMI tone/speech messages.

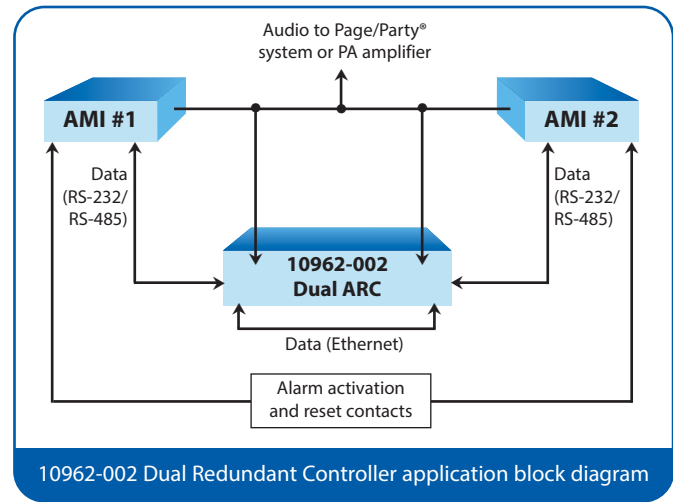
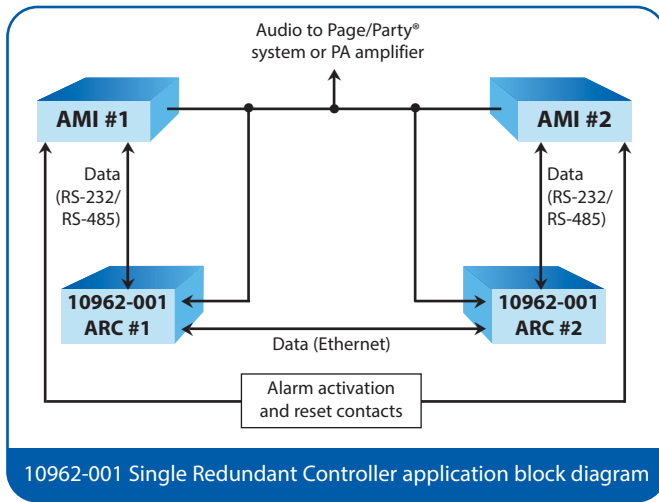
In the event of the active AMI failing, the back-up AMI becomes active and plays its audio over the system speakers.

# AMI Redundant Controller

10962-001 and 10962-002



## Typical Applications



## Specifications

### Power Supply Requirements

Connection to a 12 to 24 V dc (UL-listed) Class 2 power source ..... 0.2 amps minimum  
 Power Consumed ..... 2 watts maximum

### Electrical

Logic Outputs ..... Sink 100 mA per output to circuit common (must be powered from an external power supply of the same voltage as the ARC module)

### Mechanical

Enclosure ..... Steel body and cover, black fine-textured paint finish  
 Mounting ..... Rack-mount, 1U standard 19-inch rack  
 Dimensions..... 19.00 W x 5.30 D x 1.75 H inches (431 W x 135 D x 44 H mm) nominal  
 Weight ..... 5 lbs (2.3 kg)

### Environmental

Temperature Range ..... +32° F to +122° F (0° C to +50° C)



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Quality Management System Certified by DNV-GL - ISO 9001:2015. The policy of GAI-TRONICS is one of continuous improvement; therefore the company reserves the right to change specifications without notice.

