

Desigo® Fire Safety Modular System

Audio Input Card Model AIC

Architect & Engineer Specifications

- ☐ Two (2) independent analog audio inputs
- ☐ Two (2) external switch inputs to activate the two (2) analog audio inputs
- ☐ Inputs are separately transformer isolated
- ☐ Inputs are separately supervised for loss of signal
- ☐ Inputs contain separate analog / digital converters
- ☐ CAN network module
- ☐ Separate level indicator for each input
- ☐ Diagnostic light-emitting diodes (LEDs)
- ☐ Downloadable firmware
- ☐ UL864 & CAN / ULC-S576 Listed

Product Overview

The Audio Input Card (Model AIC) provides two (2) external, isolated analog inputs to the Desigo Fire Safety Modular systems. Model AIC also provides two (2) dry-contact inputs used to separately activate the two (2) audio inputs. Model AIC is a CAN network card, and the number of allowable addresses is from 1 to 99.

Specifications

Model AIC provides two (2) external, isolated analog inputs to the Desigo Fire Safety Modular systems for external sources such as:

- Tape recorders
- Compact-Disc (CD) players
- PBX interface
 - (for convenience paging from the telephone system)

Model AIC also has two (2) dry-contact inputs to activate the two (2) audio inputs separately — permitting each input to be controlled automatically, via system logic or manually through switches on the voice-control panel.

The input levels can be adjusted manually with push buttons found on Model AIC or configured in the *Zeus-D* Programming configuration software application.

Model AIC is a CAN network card, and the number of allowable addresses is from 1 to 99.

The CAN network for Model AIC must come from one (1) Model DAC-NET. Up to 99 CAN module addresses are available per enclosure.

The maximum number of Model AIC cards on one (1) Desigo Fire Safety Modular system (single node) is two (2) Model AIC cards.

Model AIC takes one (1) card slot, and mounts in a Model CC-2 or Model CC-5 card cage inside a Model CAB-1, Model CAB-2 or Model CAB-3 enclosure.



Model AIC
Audio Input Card



Model AIC
Audio Input Card,
Faceplate



Temperature and Humidity Range

Model AIC is UL 864 9th Edition Listed for indoor dry locations within a temperature range of 120+/-3°F (49+/-2°C) to 32+/-3°F (0+/-2°C) and a relative humidity of 93+/-2% at a temperature of 90+/-3°F (32+/-2°C).

Electrical Ratings

INPUT POWER	
24V Current Draw: [Back Plane]	25mA
24V Current Draw: [Screw Terminal]	0mA
6.2V Current Draw: [Back Plane]	25mA / active channel
24V Current Draw: [Standby]	50mA

Audio Ratings

NOMINAL AUDIO INPUT:	0dB, 1mW (0.775VRMS) @ 600Ω differential (symmetric)
MAXIMUM AUDIO-INPUT RANGE [CONTROL RANGE]	-12dBu to +15dBu (27 dB) (0.2VRMS to 4.34VRMS, 0.55Vpp to 12.3Vpp)
DRY-CONTACT INPUT:	24V / 10mA

Details for Ordering

MODEL OR TYPE	PART NUMBER	DESCRIPTION
AIC	500-035300	Audio Input Card

NOTICE – The information contained in this data-sheet document is intended only as a summary, and is subject to change without notice. The product(s) described here has/have a specific instruction sheet(s) that cover various technical, limitation and liability information. Copies of install-type, instruction sheets – as well as the *General Product Warning and Limitations* document, which also contains important data, are provided with the product, and are available from the Manufacturer.

Data contained in the aforesaid type of documentation should be consulted with a fire-safety professional before specifying or using the product.

Any further questions or assistance concerning particular problems that might arise, relative to the proper functioning of the equipment, please contact the Manufacturer.

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