FIRE CONTROL INSTRUMENTS

by Honeywell

NetSOLO® Broadband INI-VG-C Series

Command Center/Transponder Voice Gateway

Description

The INI-VG-C Series of the Intelligent Network Interface Voice Gateways are components of the NetSOLO® Broadband (Canada) Emergency Voice Evacuation System. There are two (2) versions of the INI-VG-C Voice Gateway:

- INI-VGC-C: CACF Control Facility Voice Gateway
- INI-VGX-C INX-C Distributed Audio Voice Gateway

Each version is available in two models:

- copper wire / optical fibre connectors (-FO)
- copper wire only connectors (-UTP)

INI-VGC-C

The INI-VGC-C Control Facility Voice Gateway provides command and control functions for the CACF Control Facility. The CACF serves as the point of interface between an operator and the system's audio evacuation, fire fighter intercom, and building control circuits.

A typical CACF assembly consists of an Intelligent Network Interface-Voice Gateway (INI-VGC-C) Module and one or more Annunciator Switch Modules (ASM-C Series). Each INI-VGC-C can support up to sixteen (16), ANU-48-C LED Driver Modules or ASM-C Series for a total of 256 fully programmable switches and 768 LEDs (red, yellow, and green).

The INI-VGC-C occupies a single node on the NetSOLO® Broadband network and is connected by a single pair of twisted, unshielded wire, optical fibre cable or any combination of the two. The INI-VGC-C-UTP is not equipped with optical fibre connectors.

The CACF Control Facility's INI-VGC-C module also provides connections for an optional emergency voice page microphone as well as a Fire Fighter telephone handset.

The INI-VGC-C is a fully digital voice/tone generator using state-of-the-art Digital Signal Processing (DSP) technology to produce the clearest, most intelligible signal possible. The INI-VGC-C provides an output to a local speaker for message verification and testing.



INI-VG-C

Features

The I**NI-VG-C Series** include the following features:

- Listed under ULC® Standard
- All communication signals and control-by-event sequences over twisted, unshielded pair of wires or optical fibre cable
- Distributed architecture, including DCLC wiring configuration, allows system components to continue normal operation with NO loss of function during single line fault conditions

The **INI-VGC-C** includes the following features:

- The INI-VGC-C supports up to sixteen (16), ANU-48-C LED drivers or ASM-16-C switch modules for a total of 256 switches and connects to a voice page microphone and fire fighter's handset
- Redundant command centres with microphone and fire fighter's handset are configured by adding CACFs
- Advanced digital signal processor (DSP) technology for efficient audio compression and filtering
- Network data transfer rate at 625K baud

The **INI-VGX-C** includes the following features:

- Software-programmable multi-channel digital audio applications
- One Class B, data communications link (DCL) supporting up to thirty-two (32), addressable speaker circuits
- Supports up to 150 watts of audio power (AM-50-C Series amplifier modules) with additional 50 watts of standby in a single, compact wall-mounted cabinet
- 16 message capacity with up to 3 minute duration per INX-C and messages are easily field-configurable via a laptop computer

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Description (Continued)

INI-VGC-C (Continued)

The NetSOLO® Broadband (Canada) Emergency Voice Evacuation System is a peer-to-peer, self-regenerating, token ring network comprised of up to sixty-four (64), individual nodes. Each NetSOLO® Broadband node can be spaced on the network up to a maximum distance of 914.4 m or up to an 8dB loss using optical fibre cable.

Built-in isolation at each node permits DCLB, DCLA, and DCLC network configurations.

INI-VGX-C

The INI-VGX-C Distributed Audio Voice Gateway is a component of the NetSOLO® Broadband (Canada) Emergency Voice Evacuation System. It is a multi-function module that incorporates:

- Network interface using twisted, unshielded wire or optical fibre cable
- Fully digital message generator
- One (1) data communications link (DCL) for local peripheral devices
- Local fire fighter phone riser

It occupies a single DIP switch selectable address on the network and provides termination points for the network connection using either a pair of twisted, non-shielded wire (12 gauge max.) optical fibre cable, or a combination of the two. The INI-VGX-C-UTP is not equipped with optical fibre connectors.

The INI-VGX-C provides command and control for up to four (4), AM-50-C Series 50 watt amplifiers in a single cabinet. The INI-VGX-C uses advanced Digital Signal Processing (DSP) technology for audio compression and filtering allowing NetSOLO Broadband to produce the clearest audio possible. Background noise is automatically filtered during voice paging and fire fighter communications which increases the audibility and eliminates the need for Push-to-Talk devices.

Specifications

Description
INI-VG-C Series

Operating Voltage:	24 VDC (nominal) (from PM-9-C power supply)
Operating Current:	0.150 amp
Operating Temperature:	0° to 49°C
Relative Humidity:	0 to 93% (non-condensing) at 32° C
Protocol:	Asynchronous
Speed:	RS-232 up to 64 KBps RS-485 up to 128 KBps
Fibre Connectors:	Up to 200 micron (multi-mode), Optimized for 62.5/125 micron

Ordering Information

Part Number	Description
INI-VGC-C-FO	CACF Control Facility Voice Gateway, fibre/unshielded twisted-pair
INI-VGC-C-UTP	CACF Control Facility Voice Gateway, unshielded twisted-pair only
INI-VGX-C-FO	INX-C Distributed Audio Voice Gateway, fibre/unshielded twisted-pair
INI-VGX-C-UTP	INX-C Distributed Audio Voice Gateway, unshielded twisted-pair only