FML-E3/FSL-E3

Fiber Loop Modules

General

The Gamewell-FCI®, FML-E3 (Fiber-Optic Multi-Mode) and FSL-E3 (Fiber-Optic Single-Mode) are plug-in fiber loop modules used for fiber-optic networking with the RPT-E3-UTP (Network Repeater). The two types of fiber option modules are used as one channel to transmit or receive communications with the RPT-E3-UTP (Network Repeater) and/or the INI-VG Series voice gateway for the ARCNET communication circuit of the E3 Series® System.

The following describe the two types of fiber option modules.

- The FML-E3 is a fiber module that allows the multi-mode fiber to network between nodes. It features the ST style connectors with a maximum attenuation of 8db with 62.5/125 micrometer cable.
- The FSL-E3 is a fiber module that allows the single-mode fiber to network between nodes. It features the LC style connectors with a maximum attenuation of 30db with 9/125 micrometer cable.

Each fiber loop module can Transmit (TX) or Receive (RX) across the fiber-optic cable connected to a supporting E3 Series component. Up to two fiber loop cards can be added to each supporting E3 Series component, and both cards may be combined in the same configuration.

FML-E3

FSL-E3

Installation

The FML-E3/FSL-E3 modules are designed as a plug-in card that can be secured to the designated mounting pattern on the RPT-E3-UTP circuit board.

Note: For information on the installation of the FML/FSL-E3 modules, refer to the FML-E3/FSL-E3 Installation Instructions, P/N:LS10046-000GF-E.

Compatible E3 Series Components:

RPT-E3-UTP: Network Repeater

INI-VG Series: E3 Voice Gateway Series

Ordering Information

FML-E3: Fiber Loop Module - Multi-mode fiber, single TX or RX channel for RPT-E3-UTP

FSL-E3: Fiber Loop Module - Single-mode fiber, single TX or RX channel for RPT-E3-UTP

RPT-E3-UTP: Network Repeater, unshielded twisted-pair for E3 or S3,optional ML-E3 or FSL-E3 fiber modules
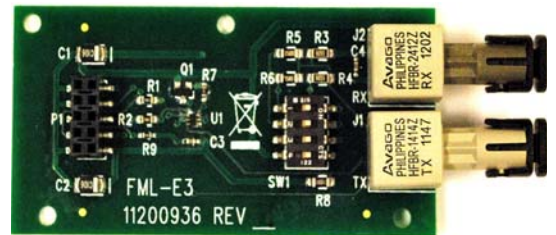
INI-VGC: Command Center Voice Gateway

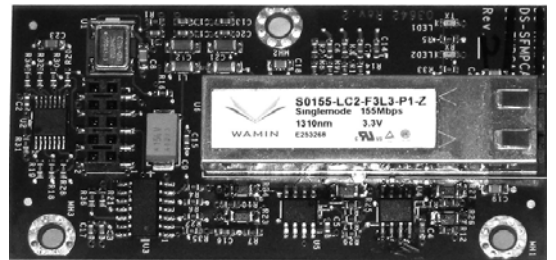**INI-VGE:** Command Center Classic Voice Gateway

INI-VGX: Transponder Voice Gateway

FEATURES & BENEFITS

- Listed per ANSI/UL® Standard 864 9th Edition
- FML-E3 features ST-style connectors with a maximum attenuation of 8 dB with 62.5/125 micrometer cable
- FSL-E3 features LC-style connectors with a maximum attenuation of 30db with 9/125 micrometer cable
- Offers the option to combine single and multi-mode modules on the same network card
- Provides a simple, plug-in card installation

FML-E3/FSL-E3 Technical Specifications

SYSTEM

FML-E3
Connections: ST style
Cable type: 62.5/125 micrometers
Operating Current: 0.053 amp
Alarm Current: 0.053 amp

FSL-E3
Connections: LC style
Cable Type: 9/125 micrometers
Operating Current: 0.079 amp
Alarm Current: 0.079 amp
Operating Temperature: 32° to 120° F (0° to 49° C)
Relative Humidity: 0 to 93%,non-condensing at 90° F (32° C)

TEMPERATURE AND HUMIDITY RANGES

This system meets NFPA requirements for operation at 0 – 49°C/32 – 120°F and at a relative humidity 93% ± 2% RH (noncondensing) at 32°C ± 2°C (90°F ± 3°F). However, the useful life of the system's standby batteries and the electronic components may be adversely affected by extreme temperature ranges and humidity. Therefore, it is recommended that this system and its peripherals be installed in an environment with a normal room temperature of 15 – 27°C/60 – 80°F.

STANDARDS

The FML-E3/FSL-E3 are designed to comply with the following standard:

UL Standard: S864 9th Edition
Seismic Codes: International Building Code
  IBC 2013
  IBC 2009
  IBC 2006
  IBC 2003
  IBC 2000 (Seismic)
California Building Code CBC: 2007 (Seismic)

AGENCY LISTINGS AND APPROVALS

These listings and approvals apply to the modules specified in this document. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult the factory for the latest listing status.

UL Listed: S1869
FM Approved: 3025415
MEA Approved, Fire Dept. of New York: COA# 6162
CSFM: 7165-1703-0176
City of Chicago: Class 1
VMC Reference of Certification: VMA-45894-02C
ISO 9001 Certification

For a complete listing of all compliance approvals and certifications, please visit: http://www.gamewell-fci.com/en-US/documentation/Pages/Listings.aspx

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UL® is a registered trademark of Underwriters Laboratories Inc.

This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

For more information

Learn more about Gamewell-FCI's FML-E3/FSL-E3 and other products available by visiting www.Gamewell-FCI.com

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