RPT-E3

Gamewell FCI FIRE CONTROL INSTRUMENTS
by Honeywell

Description

Network Repeater

The ARCNET Repeater Module (RPT-E3) is an optional component of the E3 Series® and S3 Series fire alarm control panels. It allows the following remote E3 Series and S3 Series sub-assemblies to connect to the Broadband network from remote locations:
- ILI-MB-E3/ILI95-E3 Series
- S3 Series, SLP (Smart Loop Panel-Main Board)
- ANX-SR/ANX-MR-UTP/ANX-MR-FO
- NGA

The RPT-E3 comes standard with network connections using unshielded, twisted-pair, copper wire.The following optional fiber-optic network connections using add-on modules are available.
- FML-E3 multi-mode fiber module (optional)
- FSL-E3 single-mode fiber module (optional)

In addition, you can use the RPT-E3 to connect remotely-mounted NGA modules to the network.

Installation

The RPT-E3 is adaptable for an installation in the standard E3 Series and S3 Series cabinets. Typically, the RPT-E3 module is mounted on standoffs on the top of the right side of the ILI-MB-E3/ILI95-MB-E3/ANX modules and SLP motherboard.

For instructions on the installation of the RPT-E3, refer to the following documents:
- E3 Series® UL Listing Document,
  P/N: LS10080-051GF-E
- RPT-E3-UTP Installation Instructions, P/N: 9000-0580
- S3 Series UL Listing Document,P/N:LS10005-051GF-E

Specifications

Operating Voltage:	24 VDC FWR
Operating Current:	0.016 amp
Alarm Current:	0.017 amp
Operating Temperature:	32° to 120° F (0° to 49° C)
Relative Humidity:	0 to 93%, non-condensing at 90° F (32° C)
Wiring Specifications:	
Copper Wire:	16 to 18 AWG twisted-pair, unshielded Up to 3,000 ft. (914.4 m) between each node.
Fiber-Optic Cable: (FML-E3 only)	Up to 200 microns optimized for 62.5/125 microns. Up to 8 dB loss between nodes.
Fiber-Optic Cable: (FSL-E3 only)	Optimized for 9/125 micrometer cable @ 1310 nm. Up to 30dB loss between nodes.

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RPT-E3-UTP

Features

- Listed under UL® Standard 864, 9th Edition.
- Provides the capability for networked E3 Series and S3 Series sub-assemblies to connect in Styles 4 or 7 configurations.
- Offers standard unshielded, twisted-pair copper wire network connections.
- Provides add-on fiber-optic modules that allow the network connection through single or multi-mode fiber-optic cables.
- Has 625K baud ARCNET Repeater.
- Uses the RPT-E3 to connect remotely-mounted NGA modules to the network.

Ordering Information

Part Number	Description
RPT-E3-UTP	Network Repeater, unshielded, twisted-pair
FML-E3	Multi-mode fiber-optic module for RPT-E3-UTP (one channel)
FSL-E3	Single-mode fiber-optic module for RPT-E3-UTP (one channel)

SIGNALING

UL LISTED S1869 | FM APPROVED 3025415 | MEA Approved FDNY: COA #6077 | 7165-1703:0125 | City of Chicago Approved Class1 Class2 High Rise | City of Denver Approved

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