

Features

Connect a 4100ES fire alarm control panel to AUTOCALL TFXnet Networked fire alarm control panels:

- Customized information mapping allows 4100ES fire alarm control panel status information to be communicated to the TFX Network control panels
- The TFX Network Master provides Acknowledge, Silence, and Reset to the 4100ES

Point information is mapped between the 4100ES and the AUTOCALL TFX on a point basis per the following:

- Functions include: Alarm, Trouble, Supervisory, and Utility information
- Total TFX Network Nodes + total 4100ES Network Nodes with 4100-6068 TFXi Feature = 62

TFXnet Network Interface Feature 4100-6068 includes three internally mounted modules:

- The TFXi RS-232 Module (formerly the 4100-6062 Module) provides communications between the 4100ES and the TFXnet Communications Module; this single slot module mounts in the CPU bay or an expansion bay
- The TFXnet Communications Module (TLT-530) connects to the external TFX network
- Power for the TFXnet Communications Module is supplied by a dedicated power supply module
- Both the TFXnet Communications Module and its power supply module are mounted on a common bracket requiring a double wide 4100ES block space (4 x 10 horizontal)

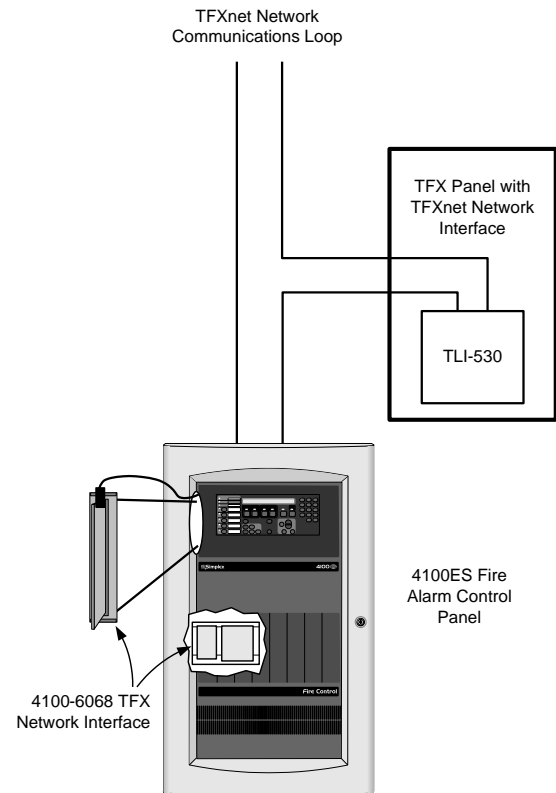
UL Listed to Standard 864

Introduction

TFXnet Network Expansion Flexibility. When a fire alarm system using existing TFX Network fire alarm control panels requires expansion, use of the 4100-6068 TFXi Feature allows the expansion to include the capabilities of the 4100ES fire alarm control panel.

TFXnet Node. Standard operation is for the 4100ES to be a TFXnet node capable of sending its point status information to the network. Typically all programmed 4100ES points would go to the TFX Network. The TFX Network Master provides Acknowledge, Silence, and Reset. The 4100ES does not provide that control to the TFX Network.

[For special applications, with point capacity and control limitations, the 4100-6068 TFXi Feature will allow the 4100ES to be configured either as a peer-to-peer member node of the TFXnet Network or to be the TFXnet master control panel. Contact your local SimplexGrinnell representative for application guidance.]



4100ES TFX Network Interface Block Diagram

Description

Point Mapping. TFX Network point groupings and general information is formatted differently from the 4100ES. With the 4100-6068 TFXi Feature, events are mapped by programming a table of 4100ES-to-TFX point status associations. Point status is then sent to the TFX Network from the 4100ES.

4100ES Module Considerations. The 4100-6068 TFXi Feature is a unique card type whose function consumes one Computer Port Protocol resource. [For reference, the 4100ES can support up to *five* RS-232 type ports; *two* are available for special features/modules such as the 4100-6068, or a DACT, SafeLINC® Internet Interface, or Computer Port Protocol device; the remaining ports can be assigned for printer support up to five total.]

For additional information, refer to 4100-6068 Installation and Programming Guide 579-902. Additional TFXnet interconnection reference for the AUTOCALL Line Interface Boards may be found in Installation Instructions 19700344.

* This product has been approved by the California State Fire Marshal (CSFM) pursuant to Section 13144.1 of the California Health and Safety Code. See CSFM Listing 7165-0026:251 for allowable values and/or conditions concerning material presented in this document. This product was not ULC listed or approved by FM or MEA (NYC) as of document revision date. Additional listings may be applicable; contact your local Simplex product supplier for the latest status. Listings and approvals under Simplex Time Recorder Co. are the property of Tyco Safety Products Westminster.

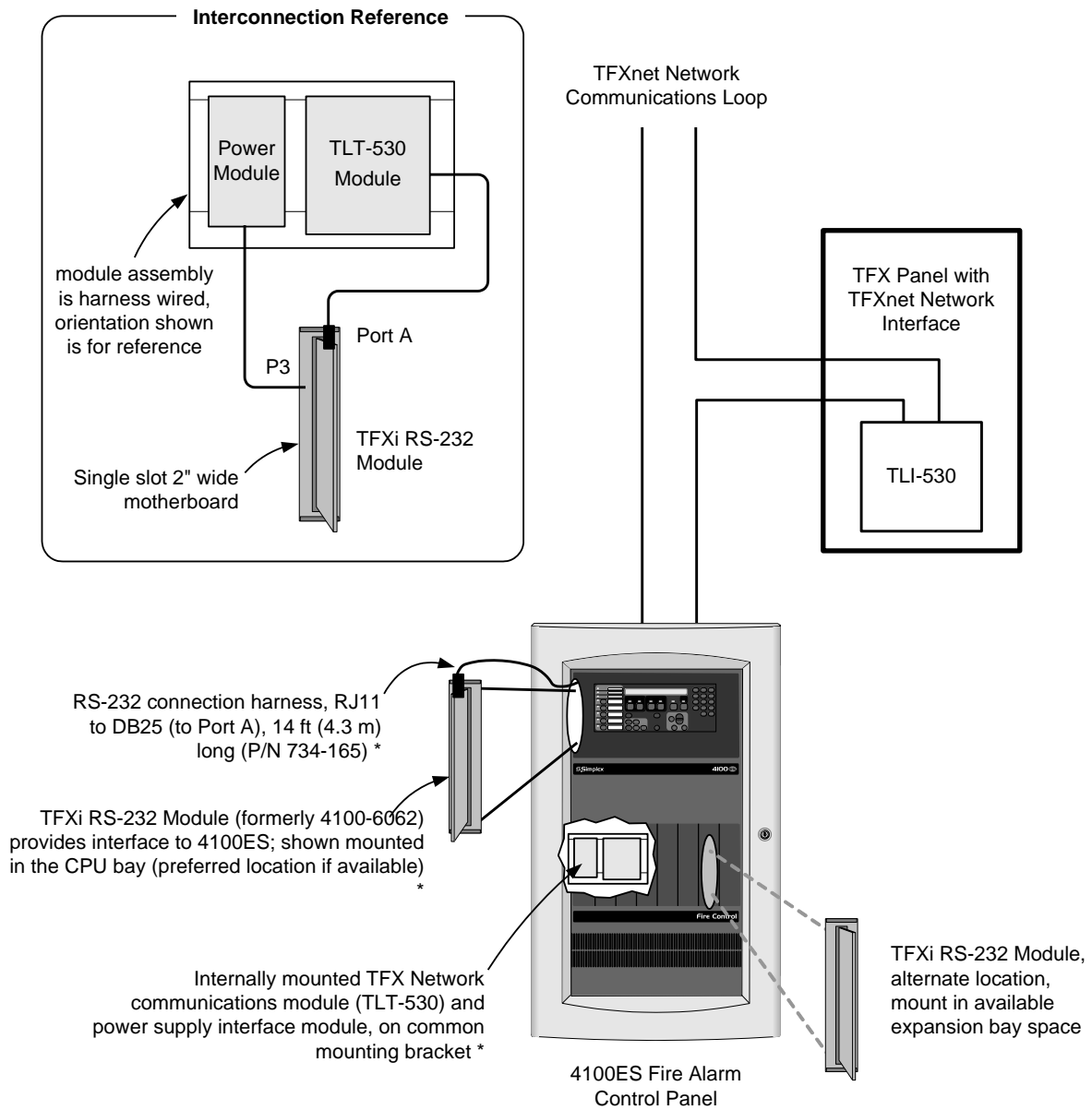
Specifications

4100-6068 TFXi Feature Specifications

Voltage		System supplied
Battery Standby Current Requirements	TFXi RS-232 Module	132 mA, both for supervisory and alarm
	TFXnet Communications Module and Power Supply Module Assembly	128 mA, both for supervisory and alarm
	Total for 4100-6068	260 mA, both for supervisory and alarm
Mounting Requirements	TFXi RS-232 Module	2" Slot on 4100ES CPU bay (preferred); or on expansion bay; 2" x 11-1/2" mother board is included (51 mm x 292 mm)
	TFXnet Communications Module and Power Supply Module Assembly	4" x 10" (102 mm x 254 mm) module reference size, horizontal mount; requires two horizontal expansion bay blocks; actual mounting bracket dimensions = 8" W x 6-1/2" H (203 mm x 165 mm)
	Additional Reference	Refer to Installation Instructions 579-902 for mounting details
4100ES Allocation Requirements		One 4100-6068 TFXi Feature per 4100ES 4100-6068 consumes one Computer Port Protocol device resource
TFX Network Node Capacity Reference	Total node capacity	TFXnet Networks accommodate up to 62 Network Nodes maximum
	Node Mix Reference	The total of TFX Nodes + 4100ES Nodes with 4100-6068 TFXi Feature = 62 maximum
		<p>Example 1: An existing Network with 50 TFX Nodes can expand with up to (12) 4100ES Nodes with the 4100-6068 TFXi Feature</p> <p>Example 2: An existing Network with 61 TFX Nodes can add only one 4100ES Node with the 4100-6068 TFXi Feature</p>
Point Mapping Reference Information		4100ES point requirements/capacities are: Up to 1268 individual points of Alarm/Supervisory and Trouble, + 1 Common Trouble, + 1 Acknowledge (no Silence and no Reset) = 1270 points total The TFX Network Master provides Acknowledge, Silence, and Reset to the 4100ES; the 4100ES does not provide that control to the TFX Network
Operating Temperature Range		32° F to 120° F (0° C to 49° C)
Humidity Range		Up to 93% RH, non-condensing @ 90° F (32° C)

System Information

System Software Revision Requirements	TFX Network Panels	Network Interface Modules, revision 3.2
		Network Panels, revision 12.0 or higher



*** Note:** Modules, harness, and mounting bracket shown, and power and interconnect harnesses (not shown) are included with the 4100-6068 TFXi Feature

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Tyco Safety Products Westminster • Westminster, MA • 01441-0001 • USA

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