

Intelligent Interface Module, FN-6000 Compatible/Stand-Alone

For AnaLASER II® Detectors



A UTC Fire & Security Company

F-89-259

FEATURES

- UL Listed
- FM Approved
- CSFM Listed
- NYC MEA Approved MEA 60-02E
- Mounts in Blue Enclosure
- Network up to 127 AnaLASER® II Detectors
- Compatible with FN-6000 and Generic Fire Alarm Panels
- Complete Field Configuration and Monitoring of Detectors via Local or Remote Computer
- Optional FCC Approved Built-in Modem
- Optional Automatic Dial-up of 3 Field Programmable Telephone Numbers on Alarm and Trouble Events
- Supervised Communication to the FN-6000
- Remote Monitoring of FN-6000 Menus
- Auxiliary Alarm and Trouble Inputs for Monitoring Generic Fire Alarm Panels

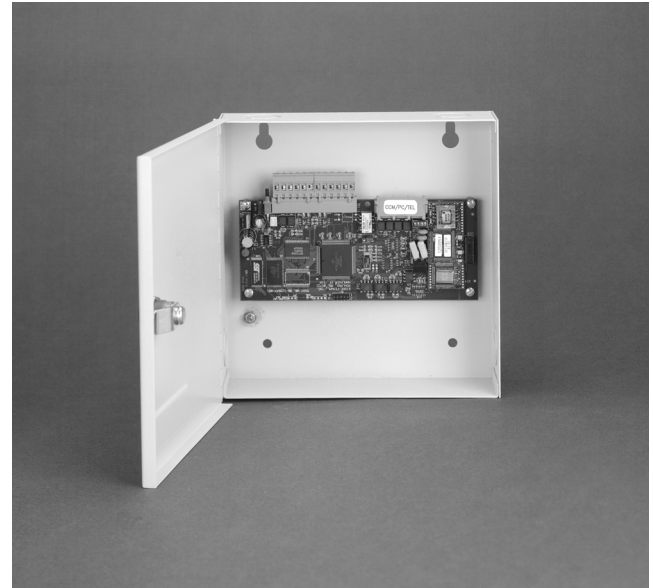
DESCRIPTION

The Intelligent Interface Module is the communication link that networks up to 127 AnaLASER® II Detectors either to a FenwalNET™ 6000 or to a generic Fire Alarm Control Panel. A computer running LaserNET™ Version 3 software can communicate with the IIM either through a local computer or a remote computer via a modem. This allows the AnaLASER II Detectors to be completely configured and monitored from a central location. The IIM allows the AnaLASER II Detector and FenwalNET products to be networked together to create an intelligent high-sensitivity smoke detection and fire alarm control system.

RS-485 NETWORK

The RS-485 network connects up to 127 AnaLASER II Detectors to the IIM. Each Detector is assigned an address on the RS-485 loop via a dip switch located inside the Detector. The RS-485 network can be wired for either Style 4 (Class B) or Style 6 (Class A) with a maximum loop length of 4,000 ft. (1219 m). Removable terminal blocks on the IIM will accept from 18 to 12 AWG twisted shielded pair wiring.

The RS-485 network wiring connects directly to the network terminals located in the Detector, without the need for additional hardware or software.



Alarm and trouble conditions, detector configuration, real-time smoke and airflow levels and smoke history is transmitted from each Detector over the RS-485 network to the IIM. All network data can be monitored or controlled from a central location using LaserNET software on either a local computer or a remote computer via a modem.

COMMUNICATION TO THE FN-6000

The IIM and FN-6000 panel communicate through a fully supervised, bi-directional RS-232 data loop. This loop provides a link allowing the two alarm levels, two pre-alarm levels and multiple trouble conditions to be transmitted from each AnaLASER II Detector and displayed on the panel. When an alarm or trouble condition is received, the FN-6000 panel will activate pre-programmed outputs associated with the alarm or trouble inputs.

INTERFACE TO A FIRE ALARM PANEL

When used in stand-alone mode, the IIM does not report detector alarm and trouble conditions to the fire alarm panel. Each AnaLASER II Detector's alarm and trouble contacts must be wired to the fire alarm panel's initiating zone. A trouble relay on the IIM allows the fire alarm panel to monitor any fault in the IIM or its RS-485 network. The trouble relay will also activate if the IIM loses power. The supervised Auxiliary Alarm and Trouble contact inputs on the IIM can be used to monitor the relay contacts on any fire alarm panel for ancillary annuncia-

tion of common alarm and trouble conditions. These inputs can be displayed on a local computer or on a remote computer running LaserNET software.

MONITORING AND CONTROL VIA MODEM

The IIM is available with an optional FCC Approved modem for remote monitoring and control via a phone line. This feature provides the ability to dial into the IIM from a remote computer to view real-time smoke and air-flow levels, check detector configurations and download history from each Detector. The IIM can be programmed to automatically dial a remote computer using up to three preset telephone numbers on the occurrence of any Detector alarm or trouble condition, or FN-6000 common alarm or trouble input. If a successful connection is not established at the first number, a second and third alternate telephone number will be used if programmed.

IIM FIELD PROGRAMMABLE PARAMETERS

The following parameters are configured through LaserNET software and are stored in non-volatile memory to ensure that no programming will be lost during a complete power failure.

- Three telephone numbers for auto-dial sequence
- Twenty character owner location message
- Installer and Owner passwords
- Dial tone supervision enable/disable
- FenwalNET interface port enable/disable
- Auto dial function enable/disable
- Configuration of RS-485 Network for Style 4 or Style 6
- Trouble report delay
- Security call back scheme enable/disable
- Call back phone number

TECHNICAL SPECIFICATION

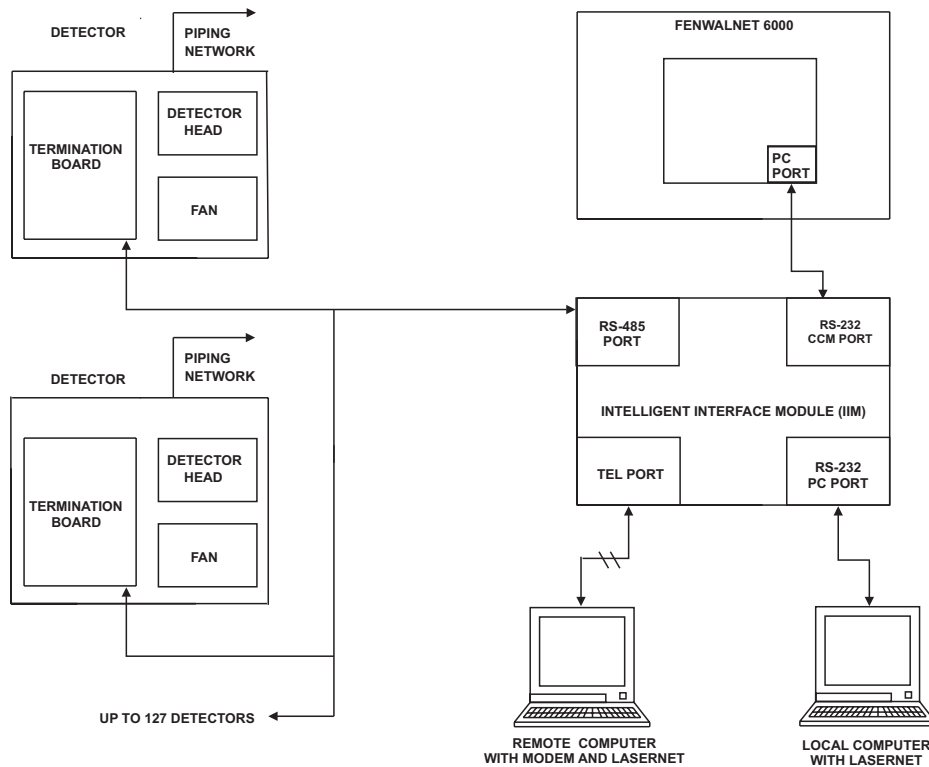
Input Voltage:	24 Vdc nominal (20.4 to 28 Vdc powered from FN-6000)
Maximum Currents:	70 mA (normal) 80 mA (alarm) 200 mA (with modem active)
Operating Temperature:	32° to 120°F (0° to 49°C)
Operating Humidity:	10 to 93% RH, non-condensing
Terminations:	18 to 12 AWG (0.75 to 2.5 mm ²) wiring to removable terminal block. PC, CCM and TEL connections via RJ-12 jack
Shipping Weight:	0.6 lb. (0.3 kg)
Dimensions:	1-7/64 in. W x 8-1/2 in. H x 3-1/2 in. D (28 mm W x 216 mm H x 89 mm D)

ORDERING INFORMATION

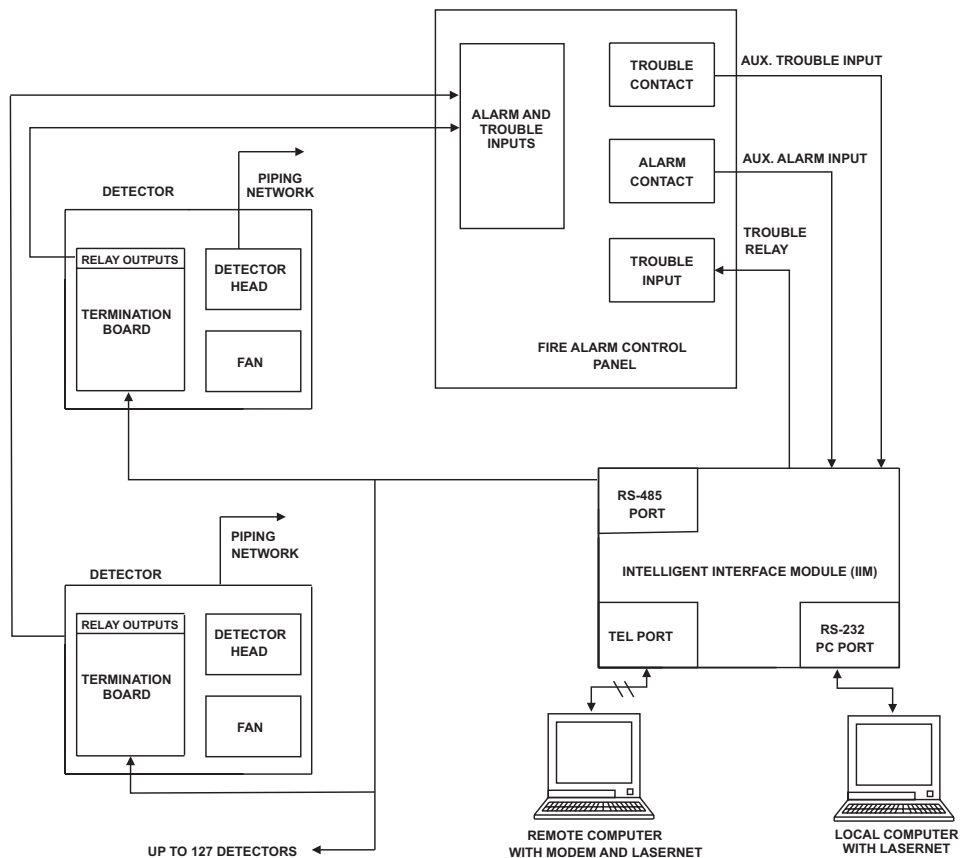
Component	Part Number
Intelligent Interface Module, Stand-Alone/FN-6000 compatible in blue enclosure with modem	74-600000-012
Intelligent Interface Module, Stand-Alone/FN-6000 compatible in blue enclosure	74-600000-013

Note: If intending to network with FN-2000 panel, use FN-2000 mounted IIM P/N's 89-300014-001 or 89-300015-001 (refer to data sheet F-89-253).

IIM BLOCK DIAGRAM FOR FN-6000



IIM BLOCK DIAGRAM



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