

AnaLASER® Interface Module

For AnaLASER® II Detectors

89.252

FENWAL®

FEATURES

- UL Listed
- FM Approved
- CSFM Listed 7259-1076:167
- NYC MEA Approved MEA 60-02-E
- Allows HSSD® to be Connected to an FN-2000 as a SmartOne® Detector
- Up to 255 AIMS Per Addressable Loop
- Reports Pre-Alarm, Alarm & Trouble to FN-2000
- Real Time Monitoring of Smoke Levels From FN-2000
- Mounted Within AnaLASER® II Detector



DESCRIPTION

The AnaLASER® Interface Module (AIM) is an intelligent loop device that allows an AnaLASER II High Sensitivity Smoke Detector to be directly connected to a FenwalNET™ 2000 RX/TX addressable loop. The AIM provides increased flexibility in installing high-sensitivity smoke detection, by providing data from the Detector back to the FN-2000 fire alarm control panel.

The AnaLASER Interface Module (AIM) sits on the FenwalNET RX/TX addressable loop, among other SmartOne® sensors or modules. Up to 255 addressable devices of any combination, including the AIM, may be connected to an RX/TX loop. One AIM is required for each AnaLASER II Detector that is to be connected to the FN-2000's RX/TX loop.

The AnaLASER Interface Module transmits pre-alarm, alarm and up to six trouble messages to the FN-2000. The AIM is fully supervised and continuously monitors all aspects of the AIM and AnaLASER II Detector. Using the menu functions of the FN-2000 panel, real-time smoke and airflow levels can be transmitted from the AIM and displayed on the FN-2000. In addition, detector sensitivity tests can be performed from commands on the FN-2000.

The AnaLASER Interface Module is a single circuit board that plugs into a socket on the termination board inside an AnaLASER II Detector. The easy-to-install AIM "snaps" effortlessly into its mounting hardware and requires no extra hardware to install. After mounting the AIM, only five field

wiring connections are needed for the RX/TX loop and ground. Power is provided to the AIM via the termination board. The installation of one AIM can be completed within minutes.

Programming of the AIM (including defining the FN-2000 loop address) and history downloading are done with a computer, running LaserNET™ Version 3 software that is connected directly to the Detector's RS-232 port.

FN-2000 INTERFACE

The AnaLASER Interface Module communicates the following detector status information and commands to and from the FN-2000 Control Panel:

Alarm and Pre-Alarm Conditions: Communicated to the FN-2000 panel when the AnaLASER II Detector detects smoke above the programmed alarm or pre-alarm thresholds.

Real-time Smoke and Airflow Levels: Viewed on the FN-2000 panel. These levels are accessible through the FN-2000 system menus.

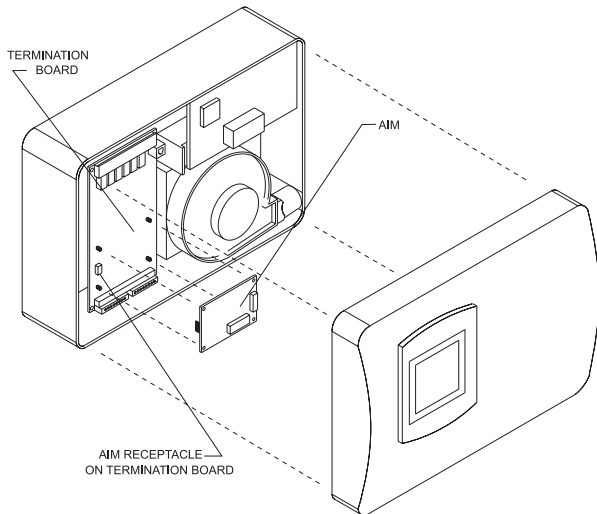
Trouble Conditions: Communicated to the FN-2000 when the AnaLASER II Detector detects a trouble. The Detector monitors the detector head, airflow, power supply, detector isolation and address loop continuity for trouble conditions.

Detector Test: Allows the detector sensitivity test to be performed from the FN-2000 panel.

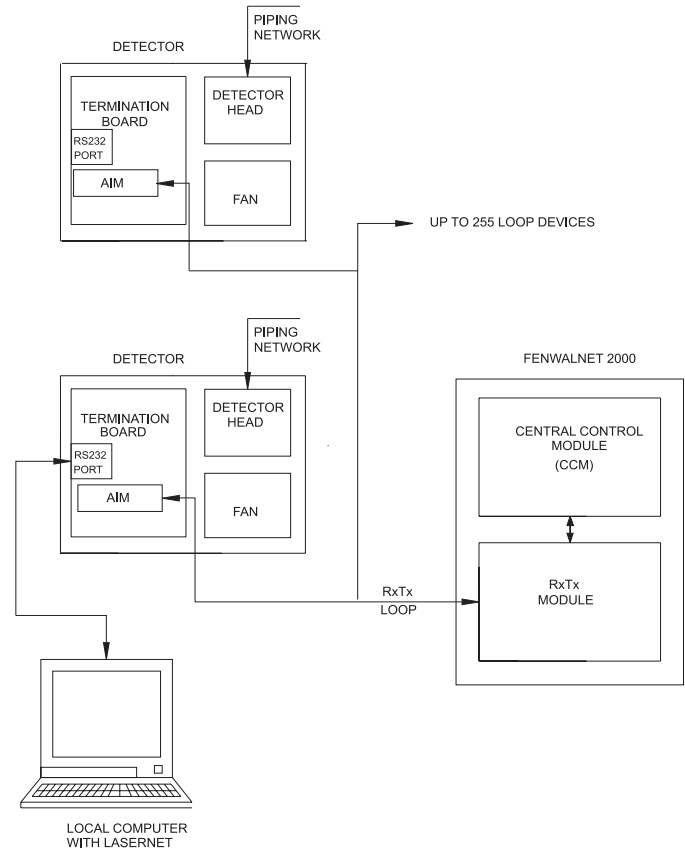
TECHNICAL SPECIFICATIONS

Input Voltage:	5 Vdc (supplied by termination board)
Maximum Input Current:	125 mA at 5 Vdc (supplied by termination board). Adds 20 mA at 24 Vdc to Detector current
Operating Temperature:	32° to 120°F (0° to 49°C)
Operating Humidity:	10 to 93% RH, non-condensing
Electrical Connections:	18 to 12 AWG (0.75 to 2.5 mm ²) wiring to removable terminal block
Shipping Weight:	0.3 lb. (0.2 kg)
Dimensions:	3.94" W x 2.17" H x 1.56" D (10 cm W x 5.5 cm H x 4.0 cm D)

AIM INSTALLATION DRAWING



AIM BLOCK DIAGRAM



ORDERING INFORMATION

COMPONENT	PART NUMBER
AnaLASER Interface Module	89-300010-001



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Protection Systems

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