

AnaLASER[®] Interface Module

For AnaLASER[®] II Detectors



FEATURES

- Allows AnaLASER to be Connected to an FN-2000, FN-6000, or FN 8000-ML as a SmartOne[®] Detector
- Up to 255 AIMs Per SLC
- Reports Pre-Alarm, Alarm & Trouble to FenwalNET
- Real Time Monitoring of Smoke Levels From Fenwal Intelligent Control Unit
- UL Listed
- FM Approved
- CSFM Listed 7259-1076:167
- NYC MEA Approved MEA 60-02-E

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 Addressable Signaling Line Circuit (SLC) of any compatible control unit. The AIM provides increased flexibility in installing high-sensitivity smoke detection, by providing data from the Detector back to the FenwalNET control panel.

One AIM is required for each AnaLASER II Detector that is to be connected to the SLC.

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

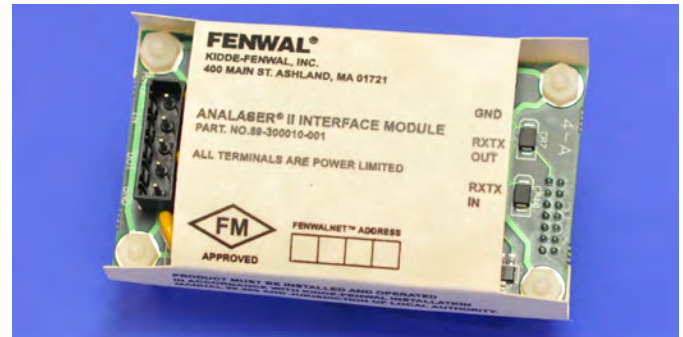
The AIM circuit board effortlessly plugs into a socket on the termination board inside the AnaLASER II Detector card. Only five field wiring connections are needed for the Addressable Signaling Line Circuit and ground. Power is provided to the AIM via the termination board.

Programming of the AIM (including defining its 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.

CONTROL PANEL INTERFACE

The AIM communicates the following detector status information and commands to and from the compatible control unit:

Alarm and Pre-Alarm Conditions: Communicated to the control unit when smoke above the programmed alarm or pre-alarm thresholds is detected.



Real-time Smoke and Airflow Levels: Viewed on the control unit through the control unit menus.

Trouble Conditions: Communicated to the control unit due to trouble with the detector head, airflow, power supply, detector isolation and address loop continuity.

Detector Test: Allows the detector sensitivity test to be performed from the control unit.

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 mm²) wiring to removable terminal block

Shipping Weight:

- 0.3 lb. (0.2 kg)

Dimensions:

- 3-15/16 in. W x 2-11/64 in. H x
1-9/16 in. D (100 mm W x 55 mm H x 40 mm D)

AIM BLOCK DIAGRAM

