

Display Module

For AnaLASER® II Detectors



A UTC Fire & Security Company

F-89-251

FEATURES

- UL Listed
- FM Approved
- ULC Listed
- CSFM Listed
- NYC MEA Approved
- Mounts in an AnaLASER® II Detector
- May be Mounted Remotely from the Detector
- Backlit LCD Display
- Menu Navigation Through Four Cursor Keys and One Enter Key
- LCD Screen Provides Visual Indication of Detector's Alarm and Trouble Status
- Performs Reset, Test, Isolate and Silence Functions
- Multicolored LED Indicates Normal, Trouble, Pre-Alarm and Alarm Conditions
- Programmable Audio Alert of Alarm, Pre-Alarm and Trouble Conditions
- Password Protection
- Mounts to Standard 2-Gang Box, 4 in. Backbox or 19 in. Rack
- Display Available in English, Spanish, French or Portuguese

DESCRIPTION

The AnaLASER® II Display Module is an optional user interface for an AnaLASER II Detector that provides visual indication of the Detector's alarm and trouble status on a LCD screen. It is ideal for applications where a user needs to access detailed detector status information and perform basic detector control functions without the use of a computer.

The Display Module consists of a backlit monochrome LCD screen, a multicolored status LED and an internal sounder. The Detector transmits data via an RS-485 communications link and supplies 24 Vdc power to the Display Module.

On the LCD screen, real-time detector data is displayed in an easy-to-use, uncluttered format, where only the active conditions are displayed. Using the module's control keys (four cursor keys and one enter key), the user can navigate through menus to view detector information and perform detector control functions. Menu accessible data includes real-time smoke level and airflow level, alarm, pre-alarm and airflow thresholds and trouble conditions. The available detector control functions are detector test, isolate, reset and silence.



All control functions are password protected.

The Display Module has three installation options. The module can either be integrated into an AnaLASER II Detector or mounted remotely to a standard 2-gang, 4-inch backbox or 19-inch rack. The remote installation option is ideal for applications where the AnaLASER II Detector is located in an area that is not easily accessible, such as inside walls or above ceiling tiles. The Display Module can be mounted up to 1000 ft. away from the Detector, using 2-pair cable. A 19-inch Rack Mount Kit is required for 19-inch rack installation.

DETECTOR CONTROL FUNCTIONS

All AnaLASER II Detector control functions are password protected. The password can be changed through the LaserNET Version 3 software.

Reset: Resets the Detector after latching alarms or latching troubles have been cleared.

Isolation: Disables the alarm outputs, allowing the Detector to be tested without generating alarms on the fire alarm panel. The trouble output will be activated when this feature is enabled.

Test: Performs the detector sensitivity test. The screen will display "TEST PASSED" if successful.

Silence: Silences the internal sounder.

DISPLAY SCREEN INFORMATION

The Display Module can be used to access the following status information from the AnaLASER II Detector:

Smoke Display: The smoke display is automatically displayed whenever an alarm or trouble is detected or when it is accessed through menu options. The smoke display screen displays the current smoke level on a bar graph, as well as the alarm and pre-alarm threshold settings.

System Status: The system status display monitors the Detector, airflow, power supply unit and central processing unit for trouble conditions. The user can also use this option to check whether the Detector has been isolated and if signal referencing and signal averaging have been enabled.

Airflow Status: The airflow status screen displays the current airflow and threshold settings of the air sampling pipe network.

STATUS LED INDICATOR

The AnaLASER II Display Module has a multicolored LED which indicates the detector status. The LED reports the following conditions:

- Continuous Green - **Normal**
- Flashing Green - **Auto-Setup™**
- Continuous Yellow - **Trouble/Isolate**
- Flashing Red - **Pre-alarm**
- Continuous Red - **Alarm**

INTERNAL SOUNDER

The internal sounder can be programmed to provide an audible indication when an alarm, pre-alarm, or trouble condition occurs on the system. The audible indication will continue until the user silences the sounder using the control keys. The conditions that can be selected to activate the sounder are:

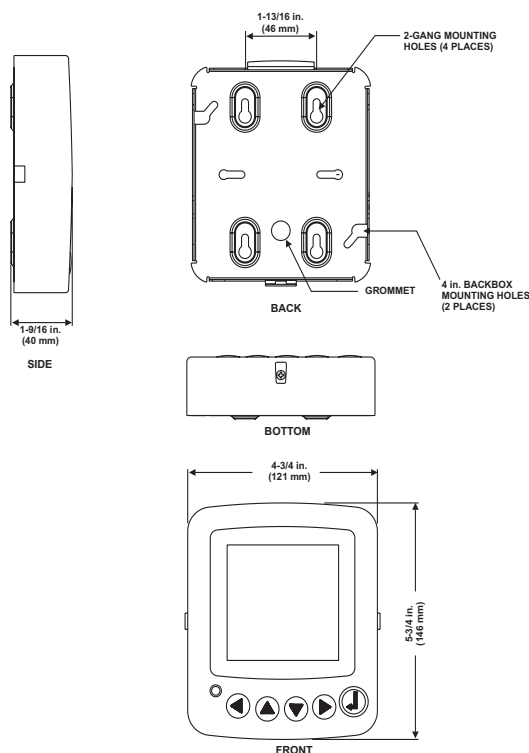
- Alarm Condition: continuous tone
- Pre-Alarm Condition: intermittent tone
- Trouble Condition: intermittent tone

ORDERING INFORMATION

Component	Part Number
Display Module: English/Spanish/French	89-300006-001
Display Module: English/Spanish/Portuguese	89-300006-002
19 in. Rack Mount Kit for Display Module (Holds 3 Modules)	89-300007-001

DISPLAY MODULE TECHNICAL SPECIFICATIONS

Input Voltage:	24 Vdc nominal (powered from Detector)
Maximum Input Current:	30 mA (normal) 104 mA (with backlight ON)
Operating Temperature:	32° to 120°F (0° to 49°C)
Operating Humidity:	10 to 93% RH, non-condensing
Electrical Connections:	
Detector Mounting:	Via supplied plug-in harness
Remote Mounting:	18 to 16 AWG (0.75 to 1.32 mm ²) wiring to terminal block, mounted up to 1000 ft. (300 m) from Detector
Shipping Weight:	1.6 lb. (0.7 kg)
Dimensions:	4-3/4 in. W x 5-3/4 in. H x 1-9/16 in. D (121 mm W x 146 mm H x 40 mm D)



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