



# BLV512 BLL510 DISPLAY MODULES FOR USE WITH THE FIREYE® BurnerLogix™ CONTROL SYSTEM



## DESCRIPTION

The BurnerLogix system offers optional vacuum fluorescent (VFD) and liquid crystal (LCD) displays that may be either plugged in or mounted remotely to give full language descriptors of current status and diagnostic lockout information.

In order to change the factory default parameters stored in the programmer module an optional keypad/display (BLV512 or BLL510) is required. All configurable parameters are stored within the PROGRAM SETUP sub-menu. The keypad/display module provides tactile feedback keys that are used to access the sub-menus inherent in the BurnerLogix system.

The optional alpha-numeric display is made up of 2 lines by 16 characters per line and is available in either vacuum fluorescent or liquid crystal formats. The advantage of VFD is high brightness and extended temperature range to -40°F. Both displays contain a fully functional keypad allowing the user to easily scroll through the various menus to view the current operating status, review programmer configuration, and lockout history.

When mounted remotely using kits 129-178-4 or 129-178-8, each display meets NEMA 4X requirements. Refer to instruction sheet 133-675 for details.

## INSTALLATION PROCEDURE

The display module is held into the BurnerLogix chassis/amplifier by mounting tabs designed into the display housing.

Using the thumb and index finger, grasp the left and right edges of the blank display module and pull forward until removed. Insert one end of the supplied 4 inch display cable into the jack located in the back of the display module. Plug the other end of the cable into the jack located inside the chassis/amplifier module.

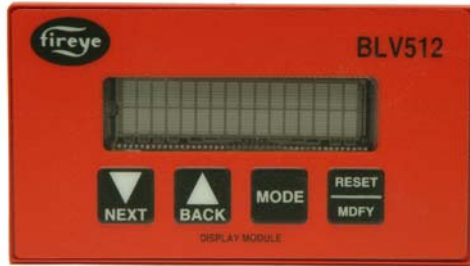
Using the thumb and index finger, grasp the left and right edges of the blank display module and insert it into the compartment of the chassis/amplifier module. Push the unit into the unit until a positive click is realized.



**Refer to bulletin BL-1001 for complete information**



## Keypad Description



The NEXT key is used to scroll down through the various menus and is also used to increment the value when in the modify mode. The BACK key is used to scroll up through the menus and is also used to decrement the value when in the modify mode. The MODE key is used to enter a sub-menu when the displayed item indicates a sub-menu with a right facing arrow and also to exit the sub-menu and move on to the next main menu item. The RESET/MDFY

key is used to reset the BurnerLogiX from a lockout condition, force a recycle of the programmer, indicate to the system the value displayed is to be modified or when done with the modification.

List of display of main menu items in BurnerLogiX:

<b>L1-3 OPEN</b>	current operating status
<b>BNR HOURS</b>	total hours terminal 7 (main fuel) is energized
<b>BNR CYCLES</b>	total burner cycles
<b>BNR LOCKOUTS</b>	total system lockouts
<b>SYS HOURS</b>	total hours installed
<b>PROGRAM SETUP &gt;</b>	review and set program parameters
<b>LOCKOUT HISTORY &gt;</b>	last 10 lockouts with burner hour and cycle time stamp.
<b>SYSTEM INFO &gt;</b>	view flame signal averages, M-D and M-8 status, select language, clear history feature.

### TO VIEW AND MODIFY A PROGRAMMABLE PARAMETER:

On display module BLV512 or BLL510, use the NEXT or BACK key to scroll to PROGRAM SETUP. Press the MODE key to enter the submenu showing all program setup parameters. Pressing the MODE key while in the sub-menu will exit the sub-menu, and the next main menu item will be displayed. While in the sub-menu, pressing the NEXT key will scroll forward through the sub-menu. Pressing the BACK key will scroll backward through the sub-menu. When a modifiable parameter is displayed, pressing the RESET/MDFY key will allow the displayed parameter to be modified. Use the NEXT or BACK keys to select the value to suit the application and when done, press the RESET/MDFY to save the value to memory.

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