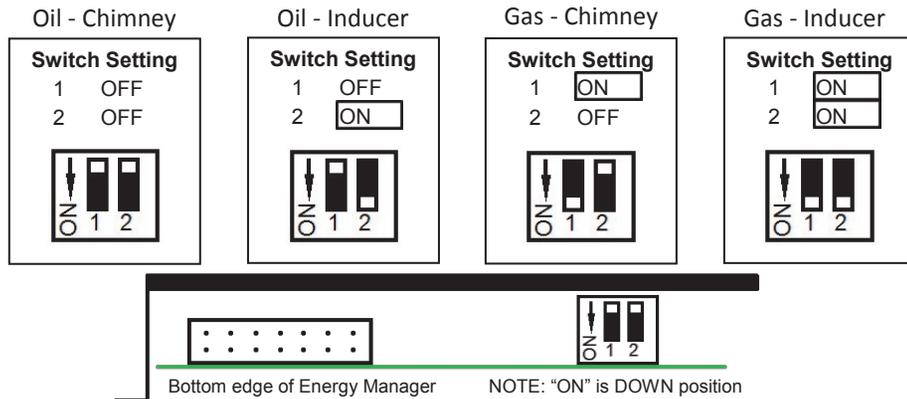


Quick Start Guide

FOR DISPLAY ENERGY MANAGER OPTION SETTINGS

(For full details, refer to the Owner/Installation Manual)

Do not jumper or apply voltage!



INSTALLATION TIPS

- **Option Switches "OFF"** Display Energy Managers are shipped with both *option switches* "OFF" (set for an oil system with a chimney).
- **Burner Restart** Thermostat short cycle protection is 25 seconds.
- **Manager Reset** Shutting the power off momentarily and then back on again resets the manager from the short-cycle delay or a error condition.

HELPFUL HINTS FOR MENU SETUP OPTIONS

- SMARTBOOST™** SmartBoost "ON" will increase the maximum operating temperature after a 25 minute delay (optionally 45 minutes with SmartBoost Delay option).
- HOT WATER PRIORITY** HW Priority "YES" will activate the hot water priority function for up to 25 minutes.
- HOT WATER ZONE** The hot water zone can be used as a fifth heating zone by changing HW Zone to "Heat".
- MULTIPURGE** Multipurge "ON" will allow multiple zones to purge simultaneously when calls are competed within 20 minutes.
- ZONE PURGE TIMES** The purge time for each zone can be set to either 5 minutes or 20 minutes. Zones set to 5 minutes will not participate in multipurge.
- SECONDARY ZONES** Secondary Zone "ON" enables primary/secondary loop. Zone 3 is used as the injection zone valve, and zone 4 is the primary loop circulator relay. Thermostats connect to zone 1 and zone 2.

Note: 20 minute purge time is standard for zones 1 through 4. The following types of zones are recommended to have a 5 minute purge time.

- AIR HANDLER / FAN COIL
- VERY SMALL ZONE (like an individual bathroom)
- RADIANT ZONE with STORAGE TANK

Display Manager Menu Setup Option Screens

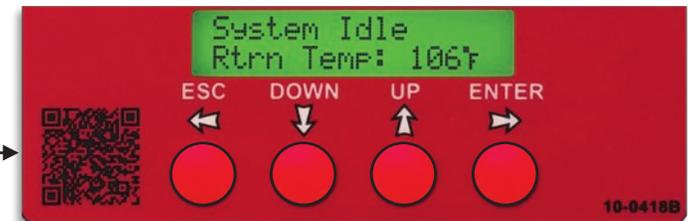
The **Display Manager** is an **Energy Manager** that is equipped with an *LCD display*, and four *pushbutton keys*. With the exception of the fuel type (oil/gas) and venting (chimney/inducer) options, all setup options are selected through *option screens* via the *display* and *keys*.

- To access the *option screens*, you must first ensure the manager is powered; if the manager is powered, the blue "PWR" LED will be on. If the blue LED is on, but the screen is not illuminated, press any *key* to wake the *display*.
- Use the UP/DOWN keys to view additional *menuscreens*. Use the ENTER/ESC keys to enter/exit *submenus*. The ENTER key is also used to change *options* from the *option screens*.

How to Use Self-Guided On-Screen Prompts To Edit Options

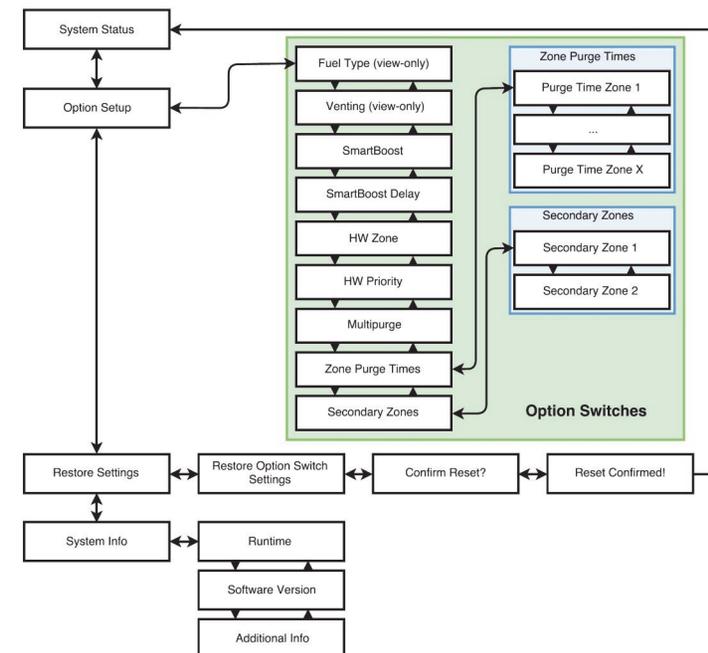
From the *system status screen*, press the DOWN key twice, or until the *Option Setup (edit→) menu screen* is displayed. Press the ENTER key to enter into the *option screens*. From there, use the UP/DOWN keys to view each option. Use the ENTER key to change the selected option.

QR code links to online videos and information.



Display System Status Screen Shown

Setting features are self-guided through on-screen prompts



Display Manager Option Menu Descriptions

Fuel Type - VIEW-ONLY. Must be set using physical dip switch on bottom of Manager Board

This menu can be used to **view** the setting of physical dip switch one, which determines the Fuel Type setting. This option CANNOT be set from the menu.

Venting - VIEW-ONLY. Must be set using physical dip switch on bottom of Manager Board

This menu can be used to **view** the setting of physical dip switch two, which determines the Venting setting. This option CANNOT be set from the menu.

SmartBoost™ - Default setting is **OFF**

This option allows the user to turn the SmartBoost function **ON** or **OFF**. While **ON**, if a zone has been calling for heat for 25 minutes (optionally 45 minutes), then SmartBoost kicks in to help satisfy that zone sooner by boosting the maximum return temperature to be 190°F/175°F from the standard 170°F/155°F. The boosted zone will stay at the 190°F/175°F setting for up to 25 minutes after the call is satisfied.

SmartBoost™ Delay - Default setting is **25 Minutes**

This option allows the user to choose either a **25 minute** or **45 minute** delay before SmartBoost raises the maximum return temperature to be 190°F/175°F. This option only impacts boiler operation if SmartBoost is **ON**.

HW Zone - Default setting is **Hot Water**

This option will allow the hot water zone to be turned into a heating zone. While this option is set to **Heating**, the “Hot Water Zone” will act as a heating zone with 20 minutes of thermal purge. This change will allow the hot water zone to become a fifth heating zone, for those cases where domestic hot water isn't required.

HW Priority - Default setting is **NO**

This option allows the Hot Water Zone to have priority over heating calls for 20 minutes. While this option is set to **YES**, the Energy Manager will ignore heating calls to the system for the first 20 minutes of a hot water call. After 20 minutes, or when the hot water call is satisfied, the system will resume providing heat to the rest of the zones.

MultiPurge™ - Default setting is **OFF**

This option allows the user to turn the Multipurge function **ON** or **OFF**. While **ON**, any zones finishing in the prior 20 minute period will purge with the last zone satisfied. Setting the Purge Time for a given zone to 5 minutes prevents that zone from multi-purging.

Zone Purge Times - Default setting for each zone is **20 Minutes**

This option allows the user to choose either a **20 minute** or **5 minute** purge time for heating zones. After all zone calls have been satisfied, there may still be heat remaining in the boiler. Instead of wasting that remaining heat, the Energy Manager will keep the last calling zone (or zones, if Multipurge is **ON**) open to allow the heat to be purged out of the boiler and into the system. The user is able to choose to let the boiler purge for either 5 minutes or 20 minutes before closing the zone. Any zone set to 5 minutes will also have Multipurge disabled for that zone. Regardless of the selected option, the Energy Manager will always end purging and close the zone when the return temperature has dropped sufficiently.

Secondary Zones - Default setting for each zone is **OFF**

This option allows for primary/secondary operation. If any secondary zone is enabled, the manager will assume that zone 3 controls the injection zone (IZ) and zone 4 controls the zone circulator (ZC). Any zone that gets a call while set as a secondary zone will also activate the IZ and ZC, when needed. Thermostats connect to zone 1 (T1) and zone 2 (T2).

If the hot water zone is set as a heating zone, the HWZ will also be displayed under the Secondary Zones options.