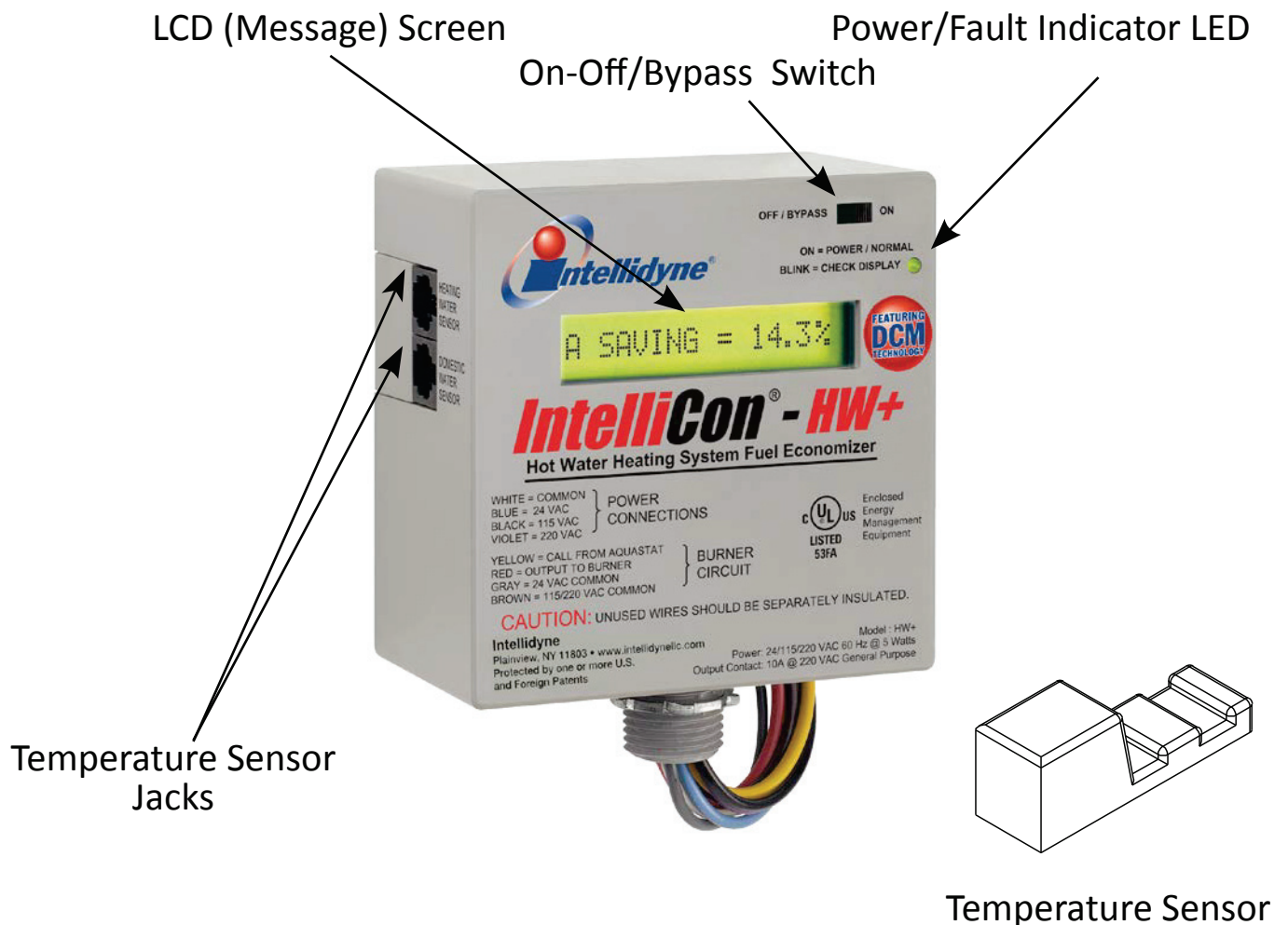




## Model HW+ & LCH Heating

## Operation

After installation, setting the power switch to “ON” activates the control. The LCD display indicates the various modes of the control, sensed temperatures, and percent savings. The *IntelliCon*®- HW+ / LCH will monitor the boiler water temperature with a sensor(s). These sensors are strapped to your heating system pipes and insulated. When the burner is called to run, the *IntelliCon*® will interrupt that signal and delay the burner from firing, thus extracting the maximum amount of heat from the water before using fuel. The sensor(s) monitor the rate at which the water temperature drops to dynamically adjust a new start point for the burner. This results in less boiler on/off cycling and allows the burner to run longer at a more efficient heat transfer.



## Display Messages & Meanings

STANDBY MODE

The boiler's control is satisfied and does not require the burner to run.

ECONOMIZER MODE

The burner is requested to fire, but the *IntelliCon*® senses there is available heat to be used before burning fuel so it delays the start.

HEAT MODE

The burner is running.

HEATING / LO LIM

The unit switched the burner on (the burner is running) due to an increase in load. The water temperature at the supply sensor is below what the heating low limit in the *IntelliCon*® was set for by the installer.

HEAT TEMP = XXX

The temperature the heating supply sensor detects (where it is mounted).

DOMESTIC TEMP = XXX

The temperature the domestic water temperature sensor is sensing (only if domestic hot water coil exists).

A SAVE = XX

The average savings the control achieved since it was installed.

ST HRS = XXXXX.X

Total accumulated time the *IntelliCon*® was in STANDBY.

ET HRS = XXXXX.X

Total accumulated economizing time since the *IntelliCon*® was installed.

RT TIME = XXXXX.X

Total accumulated burner run time since the *IntelliCon*® was installed.

H SENSOR FAULT

and / or

D SENSOR FAULT, SYSTEM BYPASSED

A safety feature signaling a sensor fault. The *IntelliCon*® automatically goes into BYPASS to guarantee heat and/or hot water and allows the boiler to run as if the *IntelliCon*® was never installed.

## ***Troubleshooting***

After installation and checkout, the controller does not require maintenance. If you have no heat and/or hot water, locate the recessed switch on the front of the *IntelliCon*® in the upper right hand corner. Slide this switch to the left to “OFF/BYPASS”. The LCD screen will go blank meaning the *IntelliCon*® is no longer in the boiler control circuit. If your boiler doesn’t start then, there is a problem with the boiler and you should call your boiler service company.

If it does start, leave it in “OFF/BYPASS” and call your installer.

LCH Instructions



HW+ Instructions

