

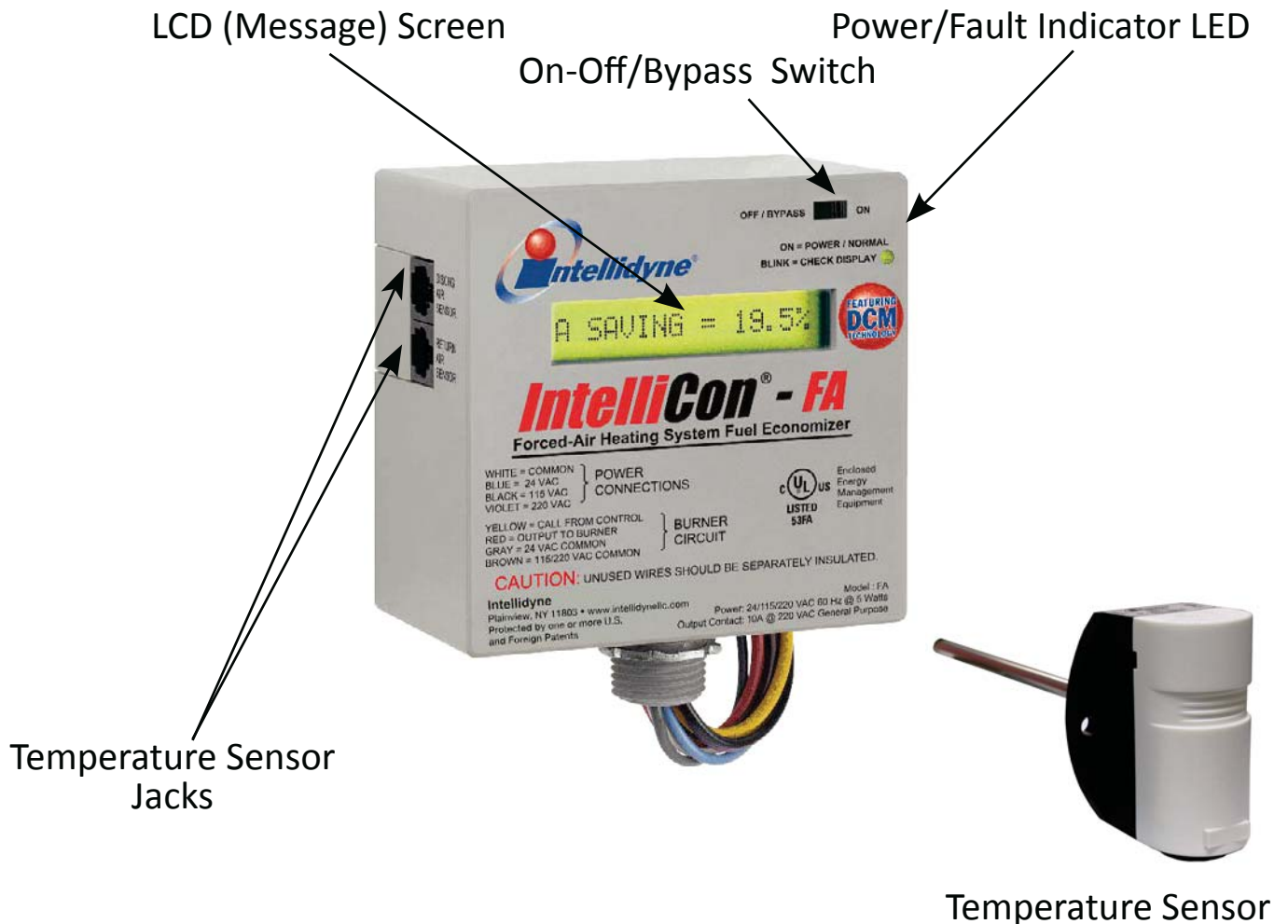


**Model FA Heating**

## 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 controller reduces fuel consumption and burner emissions by actively managing the burner, in conjunction with the thermostat, to operate the furnace in a more energy efficient manner.

The *IntelliCon*<sup>®</sup>-FA cycles your burner off and on during a call for heat using heat from the heat exchanger without using fuel. \*Your furnace may sound different after the *IntelliCon*<sup>®</sup>-FA is installed. When the thermostat wants the burner to run, you may be accustomed to hearing the burner fire once and remain running until the thermostat is satisfied. You also might hear the supply fan shut off. After installation, you will hear the burner stop and start while running for heat. However, it does not stop and start the supply fan, just the burner.



## Display Messages & Meanings

STANDBY MODE

The thermostat is satisfied and does not require the burner to run.

BURNER ENABLED

The thermostat is calling for the burner to fire and the controller is allowing it to fire.

*Note: A period (.) or colon (:) may be appended to the message. A period signifies the discharge-air terminal temperature was established. A colon indicates that the maximum economizer hold-off time enabled the burner.*

ECONOMIZING

The controller turned off the burner even though the thermostat called it to fire.

*During normal operation, one of the above messages will be alternated with the messages below.*

DA TEMP = XXX°

The measured value of the furnace's discharge-air temperature is displayed in degrees F or C. This message will not appear if the optional sensor is installed.

DA = XX° RA XX°

The measured value of both the discharge and return air temperatures in degrees F or C. This message will appear if the optional sensor is installed.

*If the unit detects a sensor fault, full control of the burner is returned to the existing controls. The Power/Normal indicator will blink, and the following message will be displayed:*

CHECK??SENSOR??

If this message appears, call your installer.

A SAVE = XX.XXX

The average savings the control achieved since it was installed.

*Note: This message will indicate N/A until there is sufficient data to perform the calculations.*

ET HOURS = XX.X

Total accumulated economizing time since the IntelliCon® was installed.

RT TIME = XX.X

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

ST HRS = XX.X

Total accumulated standby time.

## ***Troubleshooting***

After installation and checkout, the controller does not require maintenance. If you do not have heat, 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 affecting the system. This allows service personnel to troubleshoot / work on the furnace without the controller intervening.

*If the message LINE SYNC FAILED SYSTEM BYPASSED is displayed, the control should be turned off and call your installer.*