

# INSTALLATION INSTRUCTION

## SINGLE ENTHALPY KIT MODEL 2EC04700524

Supersedes: 530.46-N1.9V (995)

530.46-N1.9V (199)

035-13353

### FOR SINGLE PACKAGE AIR CONDITIONERS

#### GENERAL

This kit is used to convert an economizer from dry bulb control to enthalpy control.

#### CONTENTS OF KIT

This kit contains only an enthalpy sensor.

#### TOOLS REQUIRED FOR INSTALLATION

A slot head screw driver is the only tool needed to install this kit. This tool is not supplied with this kit and must be supplied at time of installation.

#### INSTALLATION

Install the enthalpy sensor as follows:

##### For Residential Package Units (1.5, 2, 2.5, 3, 3.5, 4 & 5 Tons)

1. Remove the aluminum mesh filter from the economizer hood by sliding the filter up and pulling the bottom out.
2. The dry bulb temperature sensor is located behind the filter in the economizer hood. Disconnect the red and blue wires from the dry bulb temperature sensor.
3. Remove the two (2) screws holding the dry bulb sensor to the economizer hood and remove the sensor.
4. Install the enthalpy sensor where the dry bulb sensor was located using the screws removed in Step 3.
5. Connect the red wire to the "+" terminal and the blue wire to the "S" terminal on the enthalpy sensor.
6. Replace the filter.

##### For Commercial Package Units 3, 4, 5, & 6 Tons

1. The dry bulb sensor is located on the exterior duct panel of the unit, within the outside air hood.
2. Access the dry bulb sensor by removing the economizer filters or by removing the hood all together; retain filters and / or fasteners.
3. Disconnect the black and white wires from the enthalpy sensor.
4. Remove the two (2) screws holding the dry bulb sensor to the duct panel and remove the dry bulb sensor.

5. Install the enthalpy sensor where the dry bulb sensor was located using the screws removed in Step 4.
6. Connect the black wire to the "+" terminal and the white wire to the "S" terminal on the enthalpy sensor.
7. Replace any components previously removed.

##### For Commercial Package Units 7, 8, 10 & 12 Tons

1. The dry bulb sensor is located on the triangular divider panel within the outside air compartment.
2. Access the sensor by removing the filter access panel making sure to retain all seal screws and O-rings.
3. Disconnect the black and white wires from the enthalpy sensor.
4. Remove the two (2) screws holding the dry bulb sensor to the divider panel and remove the dry bulb sensor.
5. Install the enthalpy sensor where the dry bulb sensor was located using the screws removed in step 4.
6. Connect the black wire to the "+" terminal and the white wire to the "S" terminal on the enthalpy sensor.
7. Replace the filter access panel using the screws and O-rings previously removed in Step 2.

##### For Commercial Package Units 15 & 20 Tons

1. The dry bulb sensor is located on the triangular divider panel within the outside air compartment.
2. Access the sensor by removing the filter access panel making sure to retain all seal screws and O-rings.
3. Disconnect the purple and red wires from the enthalpy sensor.
4. Remove the two (2) screws holding the dry bulb sensor to the divider panel and remove the dry bulb sensor.
5. Install the enthalpy sensor where the dry bulb sensor was located using the screws removed in step 4.
6. Connect the purple wire to the "+" terminal and the red wire to the "S" terminal on the enthalpy sensor.
7. Replace the filter access panel using the screws and O-rings previously removed in Step 2.

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