

ABSTRACT OF THE DISCLOSURE

REFRIGERANT LEAK SENSOR PRE-TRIP SEQUENCE AND DIAGNOSTICS

Embodiments are provided for a system configured to provide pre-trip sequence and diagnostics for refrigerant leak sensor. The system includes a sensor, a fan, and a controller. The controller is further configured to validate an operation of the sensor, operate the fan based at least in part on validating the operation of the sensor, and responsive to operating the fan, determine if a leak is present using the sensor. The controller is also configured to perform a refrigeration test, determine if a leak is present using the sensor, and provide an alarm based at least in part on determining the leak is present. Embodiments are also provided for a method for performing a pre-trip sequence and diagnostics for a leak sensor.

[Figure 1]