

A Brief, non-technical description of the unit and its operation.

The INSTEON Thermostat Adapter product is a device that receives, transmits, and repeats RF signals between a controller device and itself. It connects to an external communications connector found on some Venstar Thermostat models.

When a 915MHz FSK over-the air RF signal is detected by the INSTEON Thermostat Adapter module's processor, the RF data is immediately repeated by the same transceiver circuit and then analyzed to determine if the message was for it. If the message was for it, the processor performs the required actions like turning on the connected thermostat and setting the desired temperature.

The module may also initiate an RF transmission on the same band to a linked or slave receiver. For example, if the product determines that settings or the detected temperature has changed, it may communicate this information to a previously linked or learned receiver.