



EcoSmart VRF Controller

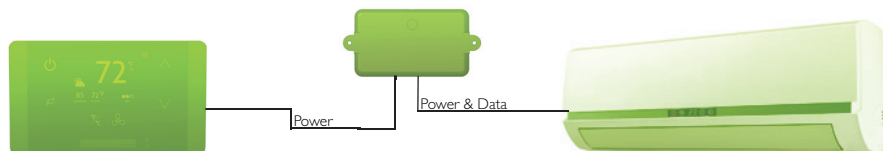
VRF HVAC Controller

A revolutionary thermostat & control solution offering distributed management for maximum energy savings over Samsung VRF HVAC systems.

Flexible Hardware Provides Ease of Installation

The EcoSmart VRF Controller allows for distributed management and control of Samsung VRF HVAC Systems which allows for automated energy savings. The EcoSmart VRF Controller is mounted next to the VRF indoor unit for physical control of the HVAC system. The EcoSmart VRF Controller communicates with the EcoAir, EcoTouch+ or other compatible Zigbee remote interfaces.

Together, the EcoSmart VRF Controller and the remote user interface components form a wireless programmable controllable thermostat with over 125 configurable settings used to control the efficiency of HVAC systems. It can be easily installed on most Samsung systems via powerline communication (PLC). With software-based relay control and fan speed configuration, programming setup is simple and fast.



Standards-Based Communication to Grow On

With the intelligence built-in, the EcoSmart VRF Controller can communicate as part of a larger EcoSmart network based on the ZigBee wireless module, or fit seamlessly into existing control networks already based on ZigBee standards. Additionally, the EcoSmart VRF Controller can inter-operate by utilizing a building's direct digital control (DDC) or building automation systems (BAS) and communicating with industry standards such as BACnet.

PMS Integration

We are PMS integration leaders. The EcoSmart VRF Controller can be integrated into practically any PMS system. As soon as a guest checks in ("Sold"), the EcoSmart system will prompt the HVAC unit to begin heating or cooling the room to achieve the indoor environment selected by the property when they enter. When a guest checks out ("Unsold"), the EcoSmart system prompts the HVAC unit to enter a deep setback mode with an extended recovery time, offering considerable energy savings.

By incorporating the EcoSmart VRF Controller with the full EcoSmart network platform, an operator gains full remote control capability down to the individual thermostat level. Room-by-room changes (temperature setpoint or mode) can be performed over the secure web-based EcoCentral portal. Global site changes (setpoint ranges, setbacks or even scheduled load shed events) are also easy using EcoCentral: group the settings into new "profiles", which can be delivered to a group of thermostats simultaneously.



Key Features

- Compatible with Samsung VRF HVAC Systems
- Easily installed and programmed
- Optional IP network
- Proprietary Recovery Time Technology
- Networked or stand-alone operations
- Full remote control capability with any web browser via our EcoCentral platform
- Communicates wirelessly with other EcoSmart products to ensure the highest energy savings

Dimensions



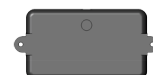
EcoAir

Height: 4.0"
Width: 6.0"
Depth: 1.5"



EcoTouch+

Height: 90 mm
Width: 165 mm
Depth: 15mm



VRF Controller

Height: 3.25"
Width: 5.625"*
Depth: 1.147"

*not including flanges

Efficient HVAC Operation While Away

The EcoSmart system is designed to provide building operators with efficiency in the performance of their HVAC systems at a fraction of the normal installation cost. It achieves efficiency by allowing granular control over available setpoint ranges, mode selections, setback temperature limits, and data from interconnected systems such as a hotel's property management system or time-of-day utility pricing data.

Using the EcoAir/EcoTouch+ integrated sensors for light level and occupancy sensing as well as any remote occupancy sensors (such as the EcoSense or door contacts such as the EcoContact), the EcoAir/EcoTouch+ will use an intelligent algorithm to accurately determine if a space is occupied or vacant, and react according to its programming.

The system can revert to a preset temperature limit set by the operator or by implementing Telkonet's proprietary Recovery Time technology. The EcoAir/EcoTouch++ is designed with networking in mind and comes integrated with a ZigBee module needed to create a larger managed building network.

Proven Savings

Telkonet's energy efficiency products have been proven with 500,000 deployed devices across Hospitality, Education, Military, and Health Care markets. The power and intelligence behind the EcoSmart VRF Solution makes it an ideal fit for a number of applications, including residential and office complex space. New opportunities for efficiency in HVAC are constantly uncovered with the wide array of support the EcoSmart VRF Controller provides.

Options

Humidity Sensor
Real-Time Clock
Ethernet Port
External CT
External Temperature Probe

Standards

FCC Certified

For more information contact a Telkonet representative today. Visit www.telkonet.com or call 888.703.9398.