



Unilux WIFI VFC Unit Controller For Fan Coil Units

Control your VFC WIFI Unit anywhere, anytime.

Product Specifications and Technical Data



Application

Unilux VFC has developed a leading edge Fan Coil controller that includes wifi connectivity allowing the homeowner to control the unit anywhere, anytime. The Unilux WIFI Unit Controller allows the Fan Coil Unit to operate at multiple fan speeds providing more precise comfort levels within the space. The further away the room temperature is from setpoint, the higher the fan speed. All data is processed through the unit controller which is installed inside of the fan coil cabinet. Information is sent from the manual inputs entered into the wall thermostat and also from the online application to control the function of the fan coil unit. The online software allows users to log into their account and can be accessed through a personal computer or from a mobile device. Once logged in, the user can customize settings and schedules for operation. Internal sensors also send information to the unit controller identifying specific alarm conditions such as High or Low Space Temperatures and Drain Pan Overflow. An email is sent to the user when these alarms occur. A monthly email is also sent to the user showing energy usage based on run time.

Specifications

Wall Thermostat

- Large, clear digital display with a blue backlight
- Display shows:
 - Current temperature
 - Current humidity
 - Set temperature
 - Current date and time
 - Battery status
 - Fan mode (Auto, Low, Med, Hi, Off)
 - Operation mode (Heat, Cool, Vacation, Off)
 - Program: 1, 2, 3, 4
- Wired to unit controller for manual inputs
- Battery back-up

Unit Controller

- Installed within the fan coil unit
- On Board Wireless Transceiver incorporates the following features:
 - Complete Embedded Wireless LAN Module
 - Frequency: 2.4 Ghz
 - Modulation: 802.11b and 802.11g
 - Data Rates: 1-11 Mbps for 802.11b
 - 6-54 Mbps for 802.11g
 - Security: WPA2-PSK (AES)
 - Supports Wi-Fi Protected Setup (WPS)
 - Unique MAC Address
 - Power Output: 0 to +12 dBm
 - Antenna: external via RF Pad
 - Ultra Low Power Sleep Mode
 - Real Time Clock
 - Temperature -40C \ +85C
 - Humidity less than or equal 90% RH
 - Certification – Modular certified U.S. (FCC) and Canada (IC)
 - Radio Standards Specification RSS
 - 210 -FCC CFR47 Modular transmitter approval Part 15.212
- On Board Wired Connection to Wall Thermostat includes:
 - Low noise data cable
 - Low voltage power supply





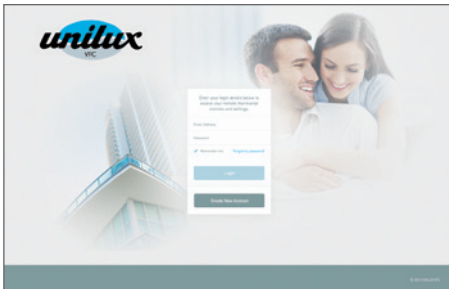
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Online Software

- Access through a dedicated internet website
- User friendly, easy to navigate
- Secure Log in Screen
- Set your comfort according to your schedule
- Intuitive screen design allows you to make quick schedule changes on the fly
- Customize your settings and set Notifications to keep you informed about what matters to you
- Monthly usage reports based on run time



Mobile App (compatible with apple ios, android and blackberry devices)

Main Menu Screen - Button States

- When smaller buttons are clicked, they are indicated with a **GREEN LIGHT**
- Once setting change has been made, the **SUBMIT** button becomes **GREEN** prompting user to click it for the new settings to take effect



- In Heating, mode and status information is in **RED**



- When turned off, mode button is in **YELLOW**

