



Thermostat / AC controller platform with color display

TIDE Dial

The UEI Comfort family of thermostat / AC controller platform designed for a wide range of HVAC equipment and OEM protocols

UEI's new thermostat / AC controller platform is designed to work with different OEM customers in an affordable price range with fast time to market. In cooperation with our adaptive user interface and dynamic configuration, the modular design concept offers an intuitive user experience and full flexibility. Powered by our QuickSet Widget with UE61V single chip architecture designed for HVAC equipment control, the platform features wireless connectivity, display controller function, sensor interoperability and Virtual Agent for self-support.

Powered by QuickSet

- QuickSet enables device discovery and control
- Interoperability: Multiple sensors and IAQ device

QuickSet Cloud Services

- Future proof design: Adaptive UI & Dynamic configuration for multiple languages support and new IoT device control with optimized UI, add installer contact information at time of installation
- Device management dashboard for analytics, service maintenance & support
- Flexible to customize & time to market

Virtual Agent by nevo.ai

- Self-help support service for device discovery, auto-setup & troubleshooting
- Compatibility checker, Wi-Fi onboarding & physical installation support



reddot winner 2022

Product USPs



Single chip architecture for RF application



Multi-sensor capability



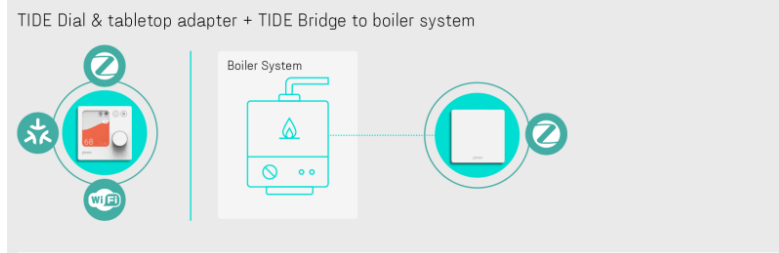
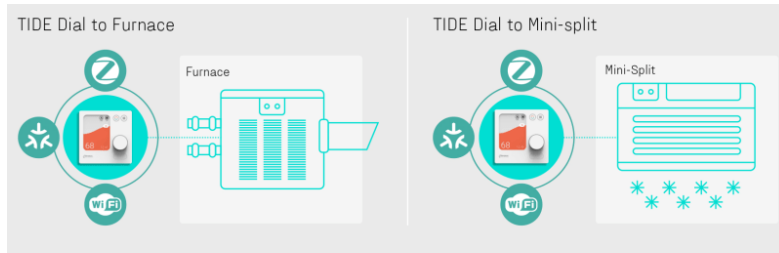
Full color display



Virtual Agent

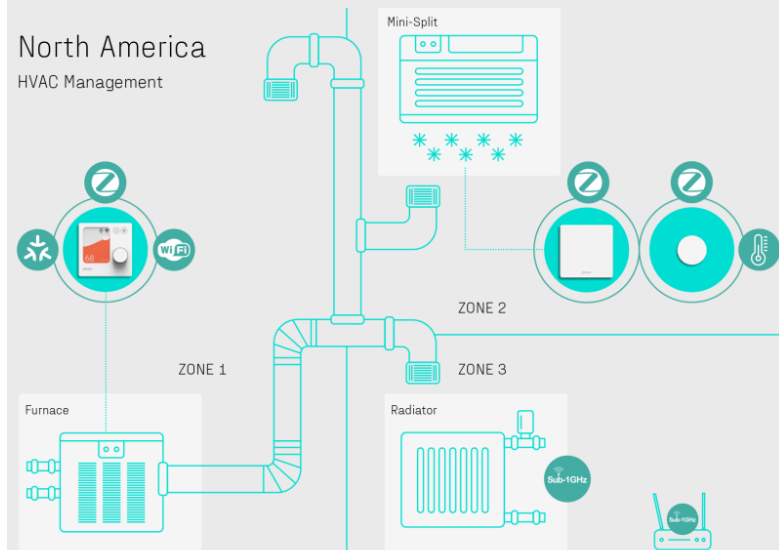
Features

Use Cases



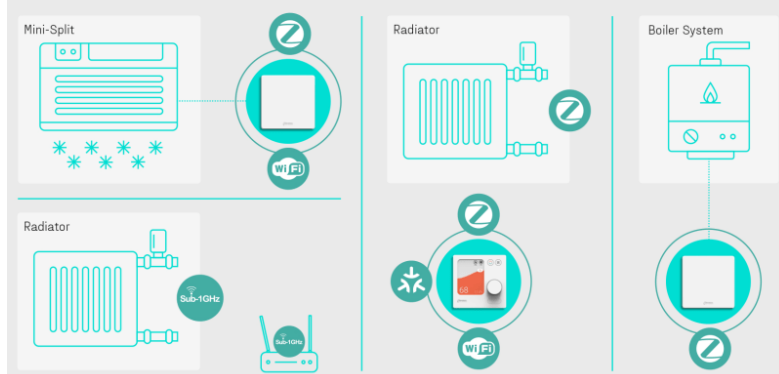
Multizone

Mini-split TIDE Bridge and TIDE Dial + Wireless sensor



Multizone

TIDE Dial & tabletop adapter + TIDE Bridge to boiler system + radiator TRV + TIDE Bridge to mini-split



Specifications

Connectivity

- Wi-Fi frequency: 2.4 GHz
- Wi-Fi version: 802.11b, 802.11g, 802.11n
- Bluetooth Low Energy (BLE)
- Bluetooth version: 5.0
- Zigbee version: 3.0
- Customized options: Sub 1GHz Clearsky, BACnet IP over WiFi, Ethernet
- Mobile OS: iOS, Android
- HVAC Proprietary Protocol

Processor / Memory

- QuickSet Widget: UE61V module
- Flash Program Memory: 512kB (Int.) + 16MB (Ext.)
- RAM: 512KB SRAM/4MB PSRAM (KM4), 64KB SRAM/1MB SRAM (KMO)

Display

- Display: 2.8" 262k Full Dot Matrix TFT IPS screen
- Display resolution: 240x320 pixel
- Pixel density: 141 dpi

Power

- Voltage: North America: 24VAC, 277VAC (works with TIDE Bridge), European: 230VAC (works with TIDE Bridge), Tabletop adapter: 100-240VAC, Proprietary from HVAC Manufacturers: 16VDC

HVAC System Compatibility

- Supported equipment: Mini-split, Multi-split, Conventional, heat pump, dual fuel, Boiler System (Combi boiler, Y plan, S plan), PTAC, VRF/VRV, Fan coil

Interoperability

- Temperature sensor (Onboard)
- Humidity sensor (Onboard)
- CO2 sensor (Onboard)
- Occupancy / proximity sensor (Onboard)
- Compatible external sensors: CO2, Temperature, Humidity, Occupancy, Door/window, Third-party sensors and TRVs via Works with QuickSet program
- Works with Amazon Alexa, Apple HomeKit & the Google Assistant

Multi-Zones Control

- Support up to 8 Comfort Line thermostat and UEI TIDE Bridge

Dimensions

- Product Dimensions INCH (LxWxH): 3.39x3.39x0.92
- Product Dimensions MM (LxWxH): 86x86x23.3