

SIMPLICITY® SMART EQUIPMENT CONTROLS SYSTEM

SIMPLICITY® SE CONTROLS

FOR ALL 3-40 TON PACKAGED PRODUCTS

7.5-50 TON SPLIT SYSTEM PRODUCTS



Unlock the full potential of TempMaster® packaged units and split system products with Simplicity® SE controls. Each comprehensive line of light commercial options is backed by a set of smart equipment control systems to ensure optimum efficiency and unparalleled performance.



Integrated by design: The Simplicity® SE platform incorporates functionality for motors, drives, actuators and different controllers all on one board.



SIMPLICITY® SMART EQUIPMENT KEY FEATURES:

- Thermostat-ready – No configuration required
- Onboard LCD
- Plug-and-Play feature additions in the field
- Auto-configuration
- Factory configured and tested – No field programming required
- Self-test Diagnostic Startup Report
- Data Logging to removable memory (USB)
- Multi-protocol Capability
- SMART Device Tools (MAP Gateway)
- Fault “messages” instead of fault “codes”
- Single-zone VAV, VFD, IntelliSPEED functionality
- Economizer Fault Detection and Diagnostics (Title 24 Compliant)
- BTL Certified

INTELLIGENT SIMPLICITY FOR TODAY’S CONTROL NEEDS

With Simplicity® SE controls, accessing parameters for setup, startup and commissioning is easy thanks to user-friendly menus and navigation. It also simplifies access to operational and energy data, which is vital to maintaining system health, improving performance and protecting components through advanced troubleshooting – all of which increase operational savings.

EASIER TO USE FOR GREATER RELIABILITY

Using Simplicity® SE control is uncomplicated thanks to a standard two-line LCD display, navigation joystick and optional Wi-Fi® connectivity. Changing set-points, viewing temperatures and operational status can be done quickly to address issues before they become problems.

THREE SIMPLE BENEFITS:

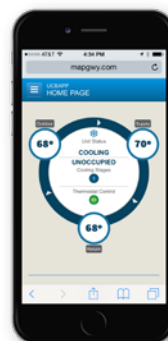
- Use less energy through smarter control of fans, economizer dampers, compressors and other equipment functions
- Reduce legwork and guesswork with centralized control and monitoring
- Prevent unexpected service calls with improved monitoring and preventive maintenance

MORE CONTROL FOR MORE SAVINGS

Simplicity® SE controls provide powerful energy-tracking and monitoring capabilities to ensure the entire HVAC system is performing at its peak – cutting energy costs by ensuring optimum performance.

MORE CONTROL FOR GREATER COMFORT

More flexible control means greater comfort – which Simplicity® SE controls deliver by simultaneously optimizing temperature, humidity and indoor air quality using included return air, supply air and outdoor temperature sensors and optional CO₂ sensors.



GET SMART WITH WI-FI® ACCESS

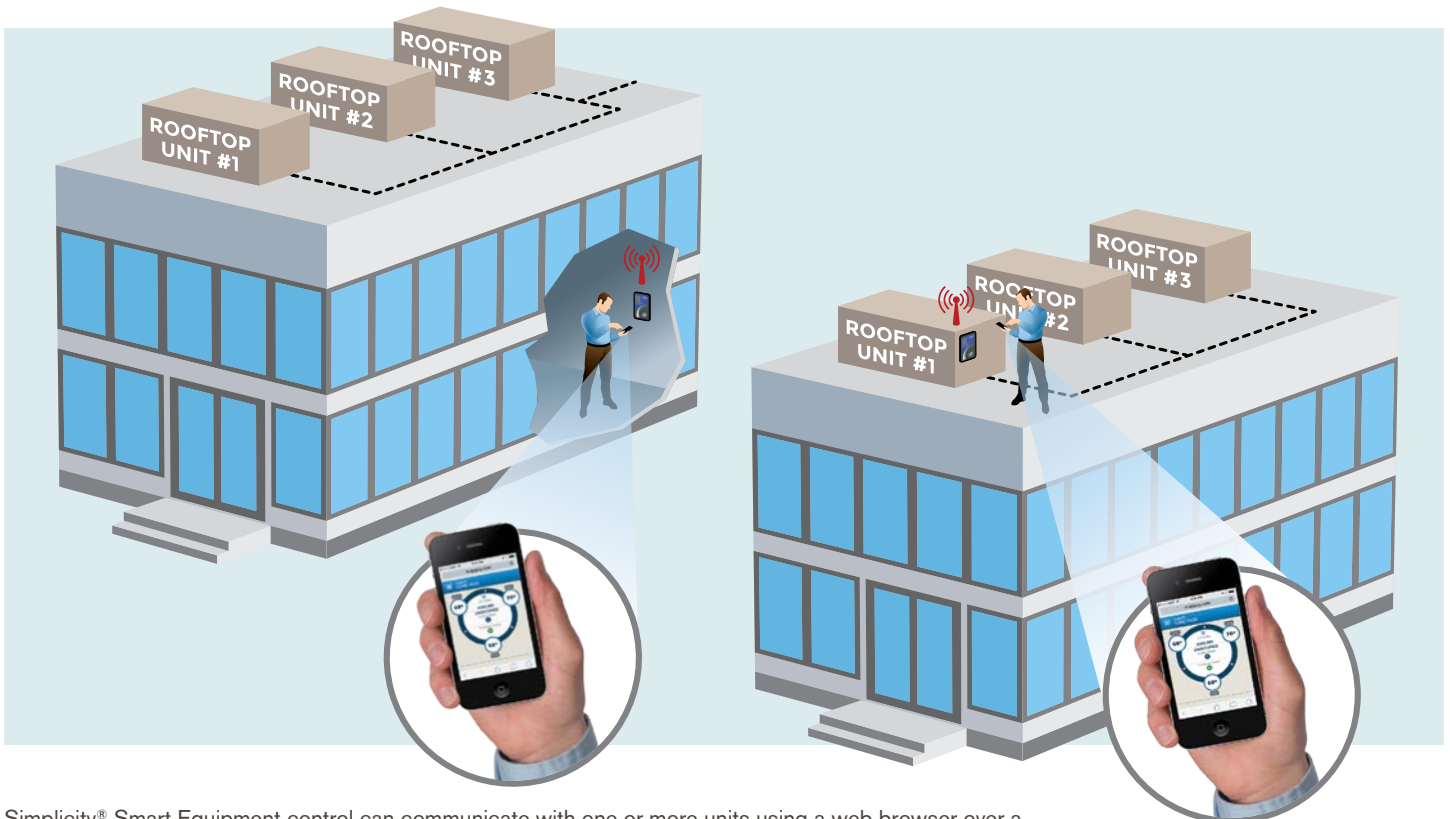
The optional wireless Mobile Access Portal (MAP) device allows several users to access one or more units using a Web browser over a Wi-Fi® or hardwired connection. It's simple to access operational data, set-points, schedules and diagnostic data directly from a smartphone, tablet, laptop or an on-site personal computer – no expensive software or cumbersome app download needed. Of course, that's what you expect from Simplicity® SE controls – now standard on select commercial and split system products.

WORLD-CLASS QUALITY AND SUPERIOR SUPPORT – AVAILABLE IN THE PALM OF YOUR HAND!

No one competes with Simplicity® SE controls for combining fast, push-button programming with extensive capabilities to simplify startup, commissioning, troubleshooting and energy tracking. Capabilities include:

- Easy-to-navigate LCD screen with navigation joystick – and optional wireless Mobile Access Portal (MAP) for Wi-Fi® or hardwired networking for your smartphone, tablet or PC
- Two- or four-stage independent control on all multiple refrigeration circuited models with lead-lag capabilities
- Supports gas/electric, electric/electric and heat pump packaged and commercial split system configurations without the need for additional defrost, reheat or other controls
- Compatible with MODBUS® RTU, BACnet® MS/TP and N2 protocols with optional Novar, CPC, Honeywell or other field-installed controllers
- Supply, return and outdoor temperature sensors come standard, with optional enthalpy and humidity sensors
- Alarm recall – even after power failure
- Adjustable minimum compressor run time
- Five-minute anti-short cycle delay
- Heat-to-cool and cool-to-heat delays of 300 to 120 seconds
- High- and low-pressure temperatures and limits for each circuit
- Control accepts smoke detector, CO₂ sensor, space temperature, dirty filter and air proving inputs
- Humidity control utilizing MagnaDRY™ hot gas reheat technology
- Low voltage protection
- Gas heating safety monitoring
- Multiple speed constant volume IntelliSPEED option
- Variable air volume control option
- Dry bulb, single and dual enthalpy economizer options
- Power exhaust with purge option
- FDD (Fault Detection and Diagnostics) ready – optional

SAVE TIME WITH CONVENIENT COMMUNICATION



Simplicity® Smart Equipment control can communicate with one or more units using a web browser over a Wi-Fi® or hardwired connection to provide instant information – making you productive wherever you are.



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