# SIMPLICITY® SMART EQUIPMENT CONTROLS SYSTEM
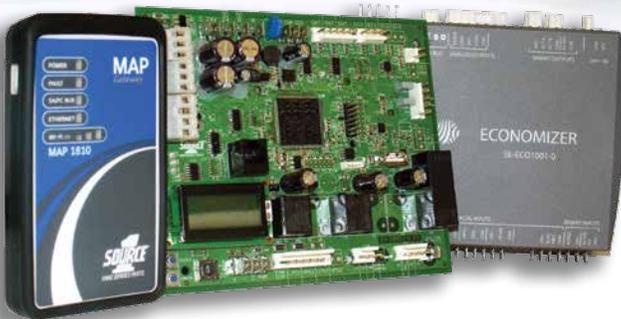
## SIMPLICITY® SE CONTROLS

**FOR ALL 3–40 TON PACKAGED PRODUCTS**
**7.5–50 TON SPLIT SYSTEM PRODUCTS**

**FRASER-JOHNSTON®**
*Heating* ■ *Air Conditioning*

Simplicity® SE controls offer optimized access to the complete family of Fraser-Johnston® packaged units and split system products. Backed by the extensive engineering expertise of Johnson Controls, smart equipment controls support industry-leading efficiency and reliable performance you can count on.



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 &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, Intelli*SPEED* functionality
- Economizer FDD (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
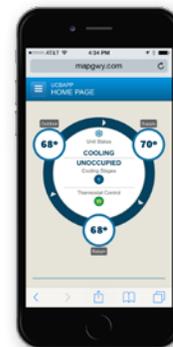- Prevent unexpected service calls with improved monitoring and preventive maintenance

### 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 $CO_2$ 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. I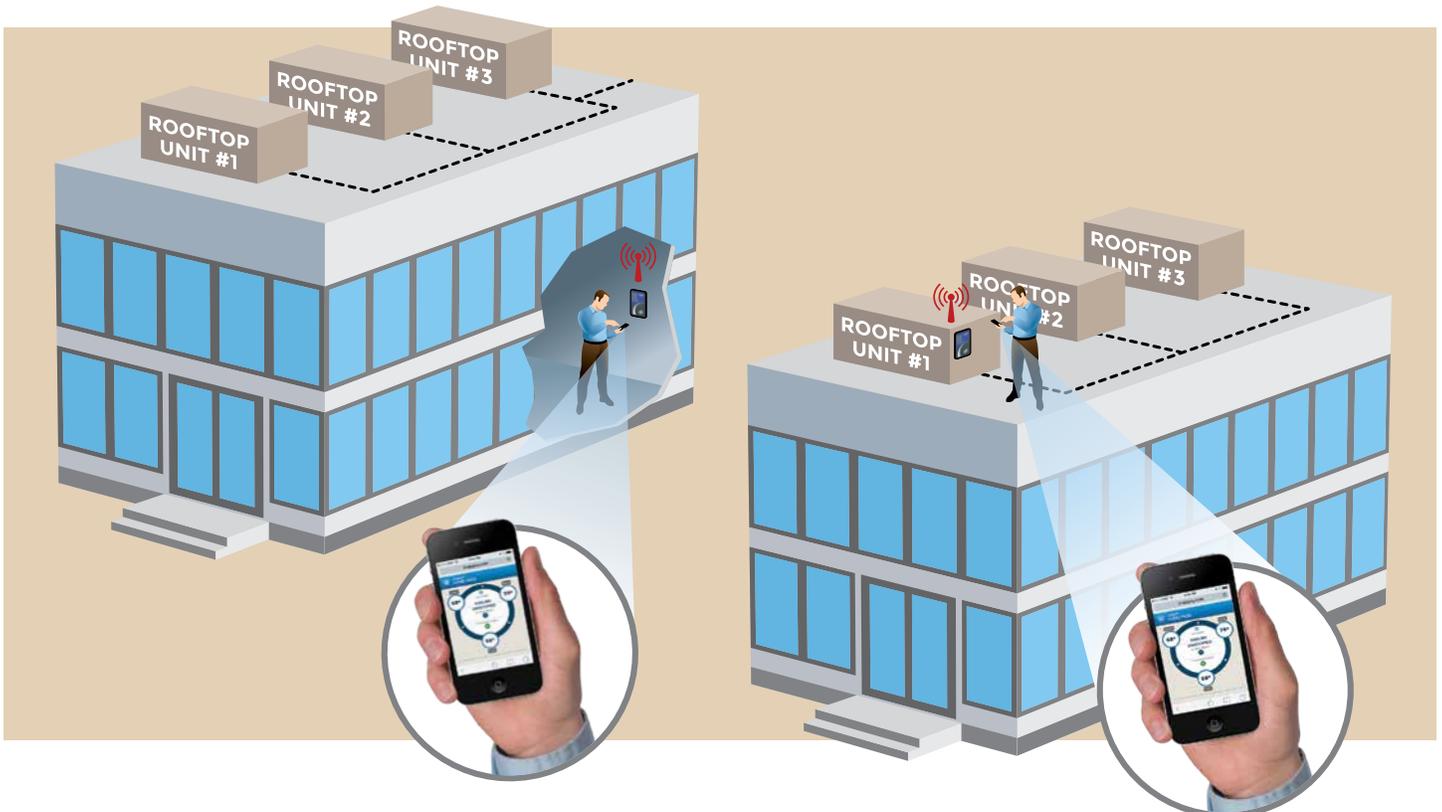t's simple to access operational data, set-points, schedules and diagnostic data directly from a smartphone, tablet, laptop or an on-site personal computer — no expensive software or cumbersome app download needed. Of course, that's what you expect from Simplicity® SE controls —  now standard on select commercial and split system products.

# HVAC control made simpler – and smarter!

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, $CO_2$ 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 Intelli*SPEED* 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

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# 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.