

WORK SMART.

WORK FAST. WORK CONFIDENTLY.

WHITE-RODGERS CONNECT

WHITE-RODGERS™

COPELAND



EXPERTISE AT YOUR FINGERTIPS

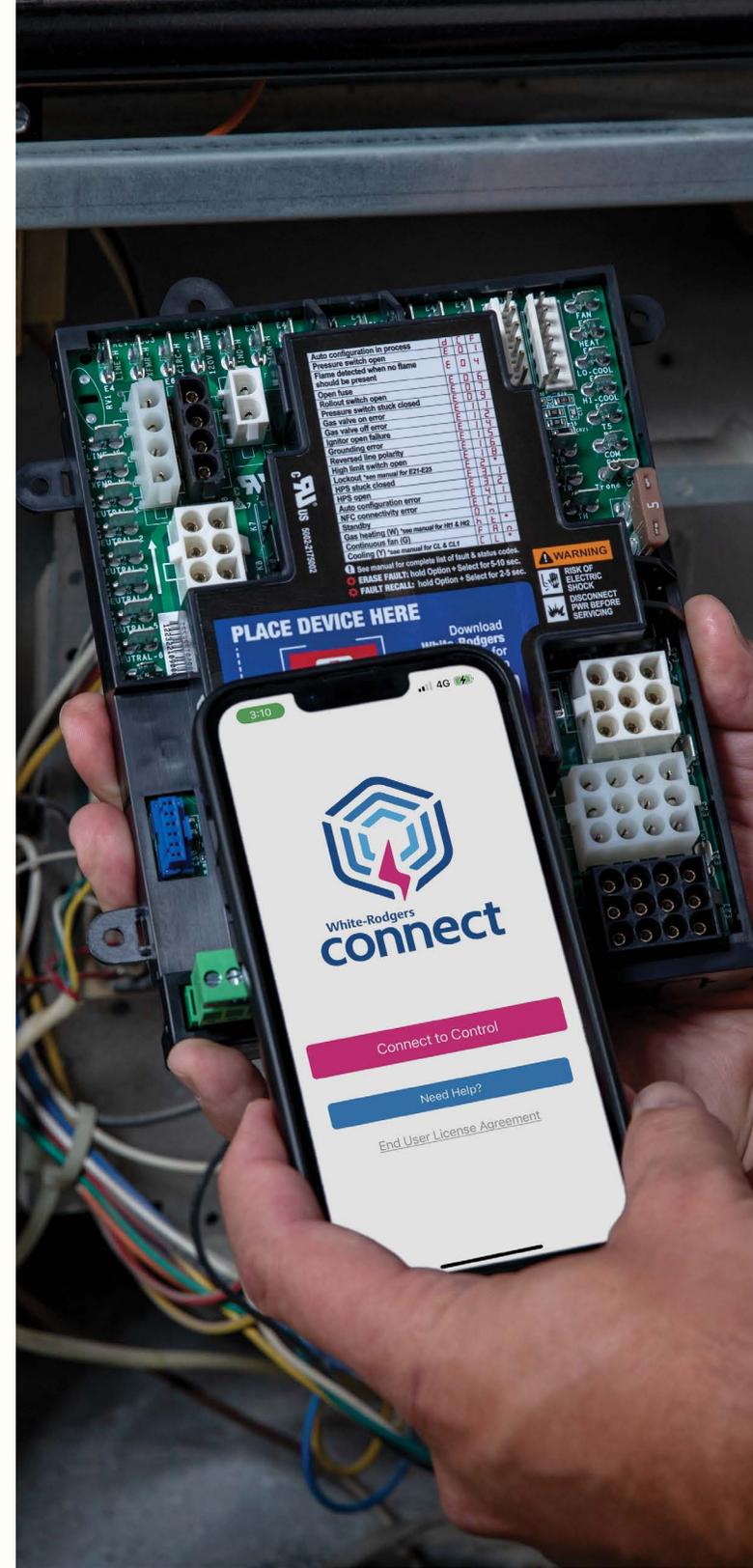
Get more done in less time.

How much time do you think you and your techs waste looking through installation guides for dipswitch settings or deciphering error codes? What if you could configure and diagnose heating controls by simply tapping a few buttons on a phone? No power, Wi-Fi or login needed!

The White-Rodgers Connect app enables simple configuration and diagnostics from your mobile phone. No more fiddling with furnace control dipswitches or counting flashing LEDs to identify error codes. With White-Rodgers Connect, you can complete service calls quickly with the confidence that you got it right the first time.

Replace more, carry less.

The app is compatible with the latest White-Rodgers universal heating controls that can seamlessly replace 1,800+ parts from major OEM manufacturers as well as Honeywell, Fenwal, UTEC, ICM, Robertshaw and more. No more overloaded trucks or running back to the warehouse or distributor to get the right part.



CONFIGURE ANYWHERE

NFC innovation



First app to configure & diagnose universal residential HVAC replacement controls



Mobile phone “talks” to compatible furnace controls via White-Rodgers Connect app



Configure prior to installation without power applied to the control



Upgrade and future-proof older units with modern, cutting-edge technology

No power, Wi-Fi or login needed.

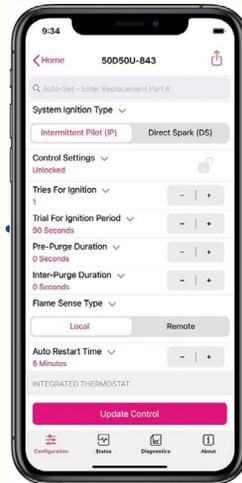
Near-field communication (NFC) technology allows the control to communicate with your mobile phone through the award-winning White-Rodgers Connect app for hassle-free configuration and diagnostics. In fact, configuration can be completed through NFC without power applied to the control, so it can be done anywhere, including from the comfort of your service truck. In just a few simple steps, the control is configured and ready to be installed.



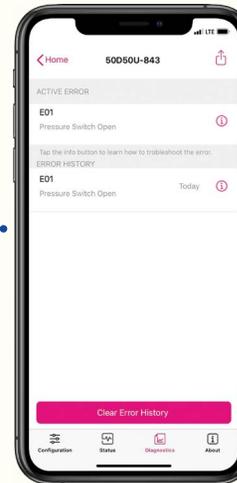
SIMPLIFY SERVICE CALLS



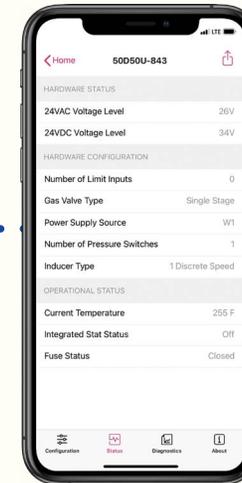
Configuration



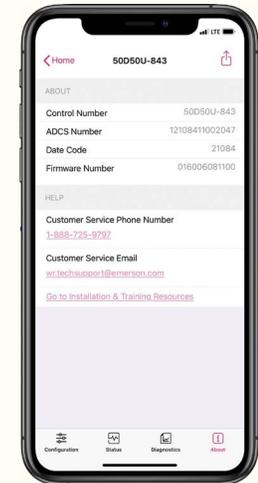
Diagnostics



Status

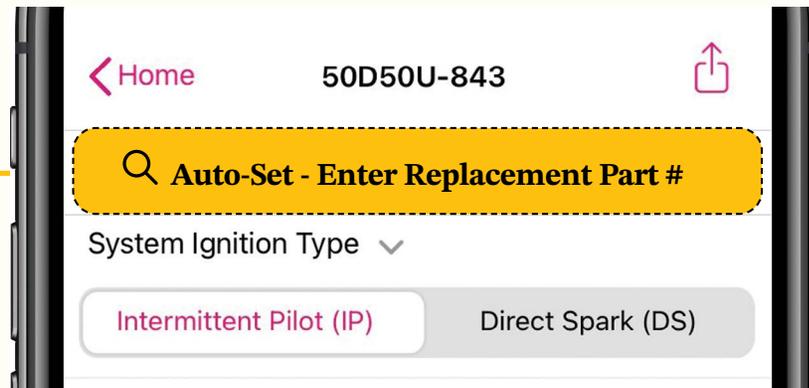
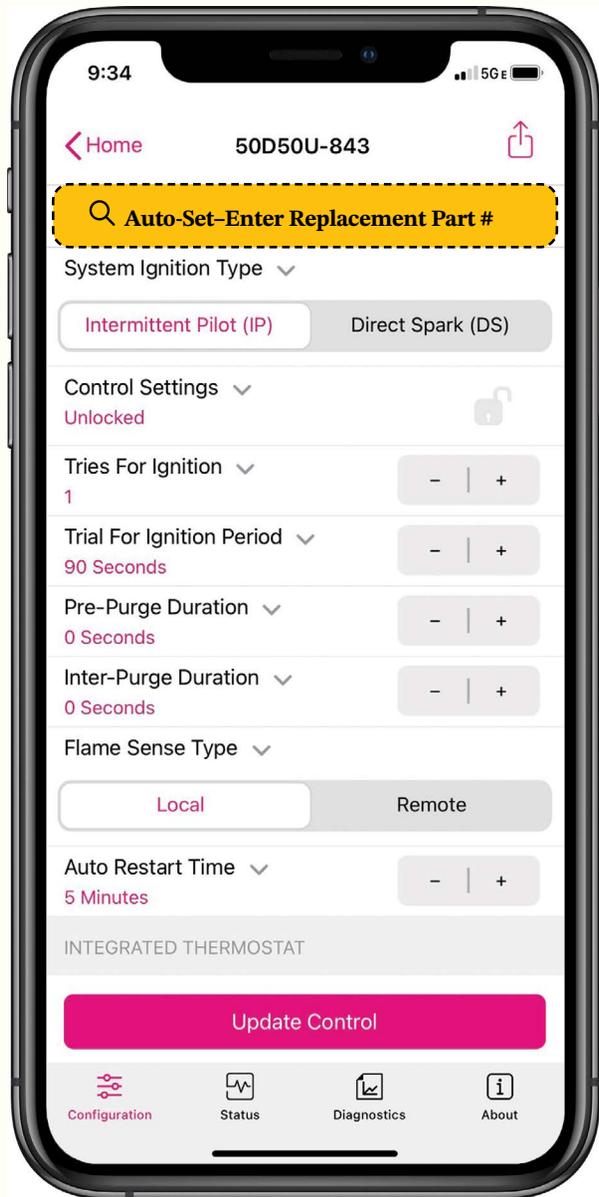


About



Configure 1,800+ part numbers and counting.

- **Configuration:** Quick, easy configuration from anywhere, even prior to install; no Wi-Fi needed
- **Diagnostics:** Troubleshoot & diagnose fault codes confidently from the app
- **Status:** View system status with the tap of a finger
- **About:** Access resources like installation guides, product literature and quick links



Instant Expertise with Auto-Set Feature

Setup has never been faster.

The auto-set feature in the White-Rodgers Connect app takes the guesswork out of configuration.

Simply enter the replacement part number to automatically configure the White-Rodgers universal control to the replacement part's original default settings. This can be done prior to installation and without power to the control. The White-Rodgers Connect app is preloaded with hundreds of OEM control settings.

Turn the page to see compatible White-Rodgers controls.

NOTE: AUTO-SET FIELD IS NOT YELLOW IN THE APP.

UNIVERSAL SINGLE STAGE HSI INTEGRATED FURNACE CONTROL

50M56X-843

Replaces 550+ part numbers.

The 50M56X-843 White-Rodgers universal single stage HSI integrated furnace control replaces more than 550 part numbers for furnaces with PSC and ECMx blower motors. OEM harness detection allows for plug-and-play functionality, eliminating the need for complex adapter harnesses.

Easy installation.

- OEM harness detection, no additional harnesses required
- Configurable for either PSC or ECMx blower motors
- 120V nitride ignitor included
- No rollout accessory or wire required
- Thermostat connector block for simple wiring
- On-board digital display for alternate configuration, diagnostics & real-time flame current



Competitive comparison



| Product Feature | Resideo/Honeywell S9200U1000 | ICM ICM2812-KIT | White-Rodgers 50M56X-843 |
|--------------------------------------|---------------------------------|-----------------------|--------------------------------------|
| Stages/Blower Types | 1-PSC Only | 1-PSC Only | 1-PSC & ECMx |
| Mobile App | No | No | Yes - WR Connect |
| Harnesses | 8 | 11 | None - OEM harness detected |
| Cross-References | 200+ | 150+ | 550+ |
| Ignitor Voltage Serviced | 120V Only | 120V Only | 80V & 120V |
| Includes Universal Ignitor | No | No | Yes |
| Configuration Options | Limited-4 Dipswitches | Limited-2 Dipswitches | Unlimited App or Push Buttons |
| LED Displays | Tri-color LED | Red LED Only | Digital LED Display |
| Rollout Accessory | Difficult Wire Jumper | Difficult Wire Jumper | Not Required |
| Flame Current Test | No | No | Digital Readout or Test Pins |
| Full Cover w/ Fault Code Label | No - Tray Only | Yes | Yes |
| Fault Recall & Clearing | Jump R & D Terminals | Push Button | WR App/Push Buttons |
| Status & Diagnostics | Count LED Flashes | Count LED Flashes | Read on Display or App |
| Humidifier Output | 120V only | 120V only | 24V or 120V |
| 2nd Stage Cooling & Dehumidification | No | No | Yes |

UNIVERSAL HOT SURFACE IGNITION MODULE

50E47U-843

Replaces 325+ part numbers.

The 50E47U-843 White-Rodgers Hot Surface Ignition Module can be used in multiple applications that use 24V, 120V or 240V ignitors.

Versatile & easy to install.

- Universal replacement part for Fenwal, Honeywell, UTEC, ICM & Robertshaw
- Multiple voltage for 24V, 120V and 240V ignitors
- Controls an inducer motor and monitors pressure switch
- Easy install harness converts old board wiring
- On-board digital display for alternate configuration, diagnostics & real-time flame current
- Use with an integrated thermostat sensor to maintain temperature in infrared and tube heaters



Common applications include:

- Pool heaters
- Water heaters
- Unit heaters
- Gas furnaces
- Boilers
- Cooking equipment
- Laundry equipment
- Infrared heaters

Competitive comparison



| Product Feature | Fenwal 35-65, 66 | Robertshaw 780-787 | ICM 283 | Honeywell /Resideo S8910U | (Current) White-Rodgers 50E47-843 | (New) White-Rodgers 50E47U-843 |
|--------------------------|---------------------|-----------------------|-------------------|---------------------------------|---|--------------------------------------|
| Flame Sense Type | Either/Or | Remote | Both | Both | Both | Both |
| Gas Valve Contact Rating | 2A | 1.5 | 1.5 | 2A | 1.5A | 2A |
| Control Voltage | 24V 50/60Hz | 24V 60Hz | 24V 60Hz | 24V 60Hz | 24V 60Hz | 24V 50/60Hz |
| Ignitor Voltage | 24/120/240V | 120V | 120V | 120V | 120V | 24/120/240V |
| Inducer/PSW | Yes | No | No | No | No | Yes |
| Mobile App | No | No | No | No | No | WR Connect |
| Configuration | None | None | Dipswitches | Dipswitches | Keys | App or Push Buttons |
| Display | Single LED Bulb | None | Single LED Bulb | Single LED Bulb | Single LED Bulb | 3-Digit 7-Segment |
| Diagnostics | Count LED Flashes | None | Count LED Flashes | Count LED Flashes | Count LED Flashes | Read on Display or App |
| Flame Current Test | No | No | No | Test pads | No | Digital Readout or Test Pins |
| Integrated Thermostat | No | No | No | No | No | Yes |

ALL-SPARK INTERMITTENT PILOT/ DIRECT SPARK IGNITION MODULE

50D50U-843

Replaces 1,000+ part numbers
for both IP & DSI controls.

- Configurable for both 24V intermittent pilot and direct spark ignition systems
- Easy-install harness converts old board wiring to fit All-Spark
- Rajah and spade spark terminals on-board eliminate need for external adapter
- On-board digital display for alternate configuration and diagnostics
- Use with an integrated thermostat sensor to maintain temperature in infrared and tube heaters



Common applications include:

- Water heaters
- Unit heaters
- Gas furnaces
- Packaged units
- Boilers
- Cooking equipment
- Laundry equipment
- Infrared heaters

Competitive comparison



| Product Feature | Fenwal 35-60, -61 | Honeywell/Resideo S8610U | White-Rodgers 50D50U-843 |
|-----------------------|----------------------|-----------------------------|-----------------------------|
| Cross Ref. #s | 1 (Individual SKUs) | 425 | 1,000+ |
| Ignition Type | DSI | IP | IP/DSI |
| User Configuration | None | Dispswitch | App or Push Buttons |
| NFC + App | No | No | Yes |
| Inducer/PSW | Yes | No | Yes |
| Alarm Output | Yes | No | Yes |
| On-Board Spark Output | Rajah or Spade | Spade | Rajah and Spade |
| Integrated Thermostat | No | No | Added in 2022 |



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