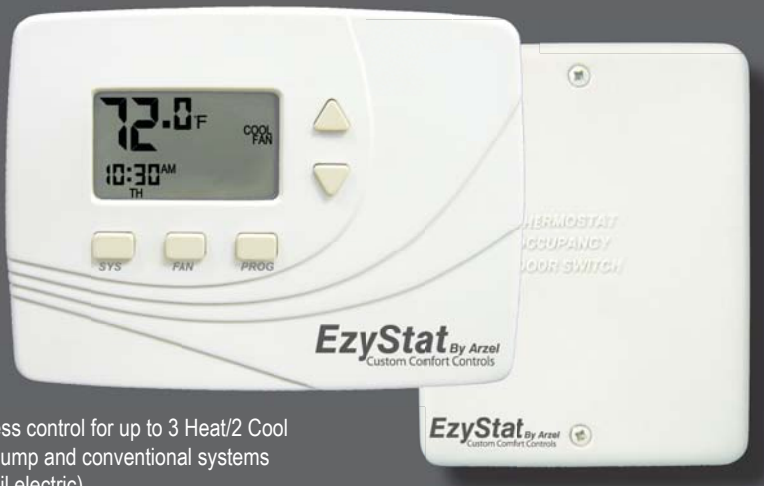
Arzel EzyStat Wireless System

INSTALLATION GUIDE: EZY-STAT THERMOSTAT AND EZY-REC RECEIVER



Wireless control for up to 3 Heat/2 Cool heat pump and conventional systems (gas,oil,electric).

Benefits include:

- Reduced installation time
- Eliminated wiring costs
- Ideal for building renovation
- Energy cost savings
- Scalability of network
- Flexibility in floor planning

The Arzel EzyStat Wireless System

The Arzel EzyStat Wireless System™ is a wireless thermostat transmitter and receiver. It is designed for use with conventional (gas, oil, electric) or heat-pump systems. It can support up 2 HEAT/ 2 COOL configuration on conventional systems and up to 3-HEAT/ 2-COOL configurations on heat pump systems. The Arzel EzyStat Wireless System is comprised of the EZY-STAT wireless thermostat paired with the EZY-REC wireless receiver.

The EZY-STAT thermostat may be powered by battery, 24 VAC, or by both. The system may be programmed for operation on a 7-day, 5/2-day, 5/1/1-day, or 1-day operational basis, with four time-periods per day. The EZY-REC wireless receiver is powered by 24 VAC only and is wired directly to the HVAC equipment it controls.

EzyStat By Arzel
Custom Comfort Controls

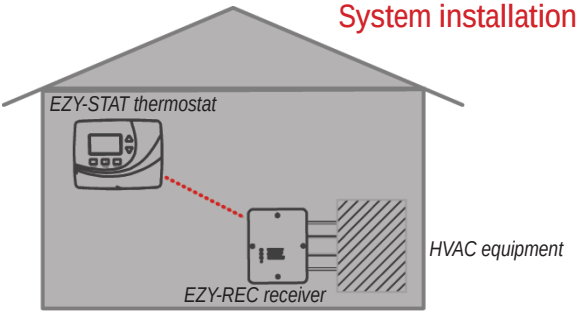
WARNING

- DISCONNECT POWER BEFORE BEGINNING INSTALLATION.
- READ THESE INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING TO OPERATE THIS THERMOSTAT AND RECEIVER.
- To avoid electrical shock or damage to equipment, disconnect power before installing or servicing and use only wiring with insulation rated for full thermostat operating voltage.
- To avoid potential fire and/or explosion do not use in potentially flammable or explosive atmospheres.
- Contact a qualified service person if at any time your system does not operate properly.
- Use care to avoid static discharge to thermostat and receiver.
- Retain these instructions for future reference. This product, when installed, will be part of an engineered system whose specifications and performance characteristics are not designed or controlled by Arzel. You must review your application and national and local codes to assure that your installation will be functional and safe.

TABLE OF CONTENTS

Installation Instructions

System installation at a glance



Getting started

This booklet provides an installation guide, wireless pairing instructions, and advanced configuration options for the EZY-REC and EZY-STAT. Please note:

- In order to establish correct pairing, the EZY-REC must be mounted and wired before applying power to the EZY-STAT.
- Read and understand the “Advanced Configuration” section to determine your preferred settings on the EZY-STAT before performing wireless pairing.

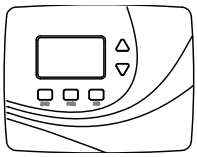
EZY-STAT Wireless System pre-installation checklist

EZY-STAT Wireless System (EZY-STAT and EZY-REC) mounting considerations:

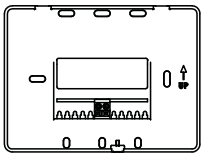
- Locate the EZY-STAT and EZY-REC within 100 ft. (30 m.) of one another.
- Avoid locating devices within a metal enclosure or between large obstructions.
- The Arzel EZY-STAT Wireless System will communicate through walls and other obstructions, but these may reduce the effectiveness of its operating range.

Required tools & supplies:

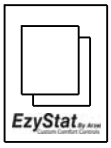
- No. 2 Phillips screwdriver
- Small pocket flathead screwdriver
- Drill
- Drill bit (3/16” for drywall, 7/32 for plaster)
- Hammer
- Pencil
- Electrical tape
- Level (optional)
- Two new AA batteries



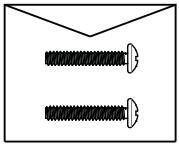
Arzel EZY-STAT wireless thermostat



EZY-REC backplate



Arzel EZY-STAT Wireless System Installation Guide



Wall anchors

Arzel EZY-REC wireless receiver

Arzel EZY-STAT Wireless System Operating Manual

1. Install EZY-REC receiver

The following section provides installation instructions for the EZY-REC wireless receiver. Note: In order to establish correct pairing, the EZY-REC must be mounted and wired before applying power to the EZY-STAT.

Figure 1. EZY-REC front cover.

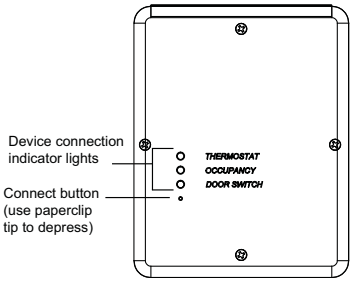
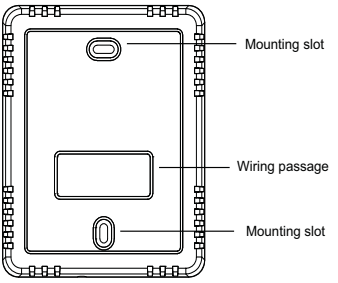


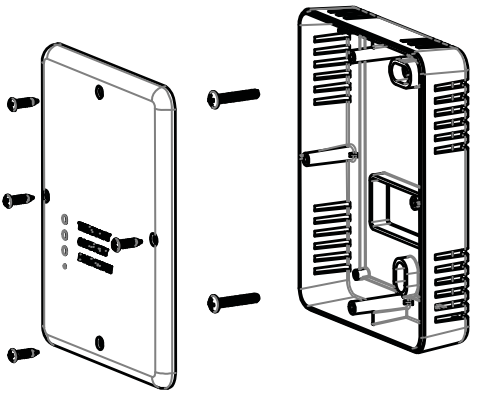
Figure 2. EZY-REC backplate



INSTALLATION TIPS

- WARNING: Disconnect power before beginning installation.
- Mount the EZY-REC on a wall near the HVAC equipment.
- CAUTION: Use copper wire only. Insulate or wire nut all unused leads.
- Care should be used to avoid electrostatic discharge to thermostat and receiver.
- Choose indoor mounting locations free from obstructions.

Figure 3. Remove cover of EZY-REC.



EZY-REC wiring and mounting instructions

1. Remove the EZY-REC front cover (see Fig. 3) by loosening screws.

2. Pull equipment wires through the EZY-REC wiring passage.
3. Drill holes appropriately in the mounting surface.
4. Mount the EZY-REC using the enclosed mounting screws. Tighten screws evenly (excessive force is not recommended).
5. Connect equipment wire to the EZY-REC terminals:
   a. Match equipment wire to the EZY-REC terminals, referencing the appropriate wiring examples below. See the “EZY-REC wiring examples” section of these instructions for assistance with single-stage, multi-stage, heat pump, and traditional applications.
   b. Loosen screw terminals.
   c. Insert wires into the appropriate terminals.
   d. Re-tighten screw terminals.
6. Cap off unused wires or terminate properly according to local building codes.
7. Re-attach the EZY-REC front cover (see Fig. 4).

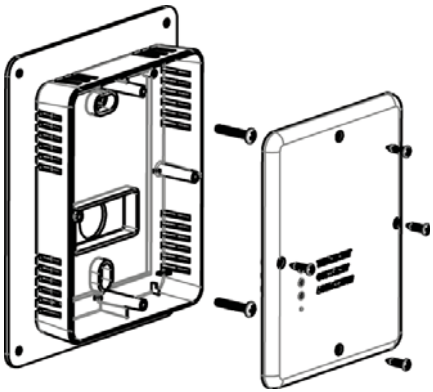


Figure 4. Reattach cover of EZY-REC receiver.

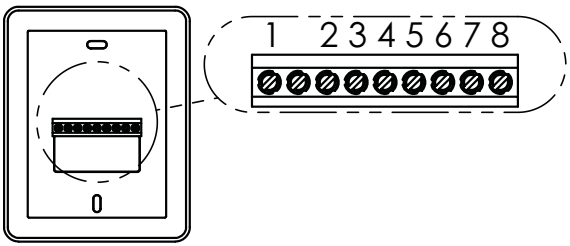
EZY-REC wiring examples

The following are examples of typical wiring configurations for the EZY-REC (see Fig. 5 and Terminal Designations Overview below). Please contact a service technician if you are unable to perform the wiring installation.

Terminal Descriptions

Conventional Terminal Letters		Heat Pump Terminal Letters	
R	Power connected to system transformer	R	Power connected to system transformer
C	Common wire from secondary side of system transformer	C	Common wire from secondary side of system transformer
W	First stage of heat relay/contactor	Y	First stage of compressor contactor
W2	Second stage of heat relay/contactor	Y2	Second stage of compressor contactor
Y	First stage cool relay/contactor	Aux	Auxiliary heat relay/contactor (Emergency heat)
Y2	Second stage cool relay/contactor	G	Fan relay
G	Fan relay	E	Emergency mode

Figure 5. EZY-REC numbers on terminal block correspond to Terminal Designations Overview below.



Terminal Designations Overview

Terminal	Heat Pump Systems		Conventional Systems	
1	C	24VAC 1	C	24VAC 1
2	R	24VAC 2	R	24VAC 2
3	Y1	COMP 1	Y1	COOL 1
4	Y2	COMP 2	Y2	COOL 2
5	O/B	REV. VALVE	W1	HEAT 1
6	AU	AUX HEAT	W2	HEAT 2
7	E	EMERGENCY MODE	NA	NA
8	G	FAN	G	FAN

Note: All heat pump systems that call for emergency heat will have more heat stages than cool stages.

EZY-REC wiring examples

System Type 0 (1H/1C CONV)		
TERM	Name	Function
1	C	24VAC 1
2	R	24VAC 2
3	Y1	Cooling
4	Y2	
5	W1	Heating
6	W2	
—	NA	NA
8	G	Fan

System Type 1 (1H/1C HP)		
TERM	Name	Function
1	C	24VAC 1
2	R	24VAC 2
3	Y1	Compressor 1
4	Y2	
5	O/B	Reversing Valve
6	AU	
—	NA	NA
8	G	Fan

System Type 2 (1H/1C HP + Emergency)		
TERM	Name	Function
1	C	24VAC 1
2	R	24VAC 2
3	Y1	Compressor 1
4	Y2	
5	O/B	Reversing Valve
6	AU	Aux/Emergency Heat
7	E	Emergency Mode
8	G	Fan

System Type 3 (1 Heat without Fan)		
TERM	Name	Function
1	C	24VAC 1
2	R	24VAC 2
3	Y1	
4	Y2	
5	W1	Heating
6	W2	
—	NA	NA
8	G	

System Type 4 (1 Heat with Fan)		
TERM	Name	Function
1	C	24VAC 1
2	R	24VAC 2
3	Y1	
4	Y2	
5	W1	Heating
6	W2	
—	NA	NA
8	G	Fan

System Type 5 (Cooling Only)		
TERM	Name	Function
1	C	24VAC 1
2	R	24VAC 2
3	Y1	Cooling
4	Y2	
5	W1	
6	W2	
—	NA	NA
8	G	Fan

EZY-REC wiring examples

System Type 6 (2H/1C HP)		
TERM	Name	Function
1	C	24VAC 1
2	R	24VAC 2
3	Y1	Compressor 1
4	Y2	
5	O/B	Reversing Valve
6	AU	Aux/Emergency Heat
7	E	Emergency mode
8	G	Fan

System Type 7 (2H/2C Conventional)		
TERM	Name	Function
1	C	24VAC 1
2	R	24VAC 2
3	Y1	Cooling stage 1
4	Y2	Cooling stage 2
5	W1	Heating stage 1
6	W2	Heating stage 2
—	NA	NA
8	G	Fan

System Type 8 (2H/1C Conventional)		
TERM	Name	Function
1	C	24VAC 1
2	R	24VAC 2
3	Y1	Cooling stage 1
4	Y2	
5	W1	Heating stage 1
6	W2	Heating stage 2
—	NA	NA
8	G	Fan

System Type 9 (1H/2C Conventional)		
TERM	Name	Function
1	C	24VAC 1
2	R	24VAC 2
3	Y1	Cooling stage 1
4	Y2	Cooling stage 2
5	W1	Heating stage 1
6	W2	
—	NA	NA
8	G	Fan

System Type 10 (2H/2C HP)		
TERM	Name	Function
1	C	24VAC 1
2	R	24VAC 2
3	Y1	Compressor 1
4	Y2	Compressor 2
5	O/B	Reversing Valve
—	NA	NA
—	NA	NA
8	G	Fan

System Type 11 (3H/2C HP)		
TERM	Name	Function
1	C	24VAC 1
2	R	24VAC 2
3	Y1	Compressor 1
4	Y2	Compressor 2
5	O/B	Reversing Valve
6	AU	Aux/Emergency Heat
7	E	Emergency Mode
8	G	Fan

2. Install the EZY-STAT thermostat backplate

The EZY-STAT thermostat is intended for indoor installation only. It should be mounted on an inner wall in a location with freely circulating air, where it will be responsive to changes in room temperature. Avoid mounting thermostat near heat generating appliances (i.e. TV, heater, refrigerator), or in direct sunlight.

Power Options

The EZY-STAT thermostat will operate on 24 VAC power and/or two AA alkaline batteries. Where possible, the thermostat should be operated on 24 VAC power with battery backup.

- MERCURY NOTICE: If this product is replacing a control that contains mercury in a sealed tube, do not place the old control in the trash. Contact your local waste management authority for instructions regarding recycling and/or proper disposal.

Remove the old thermostat

1. Turn off all power for heating/cooling system (or for fuse/circuit breaker panel) before installing thermostat to avoid electrical shock or damage to equipment.
2. Remove the cover of old thermostat (see Fig. 6).

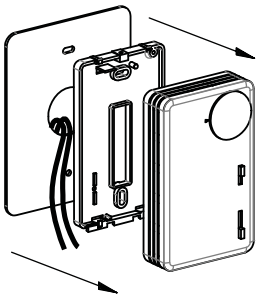


Figure 6. Remove the old thermostat.

3. Label each wire with the terminal to which it was attached *before removing wires* from the old thermostat (see Fig. 7).
4. Disconnect wires. Do not let wires fall back into the wall.
5. Remove backplate from the wall after all wires are labeled. If old thermostat has a wall mounting plate, remove both of these as an assembly.

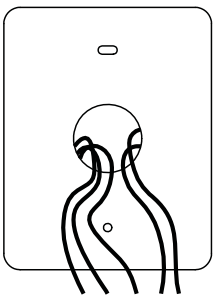
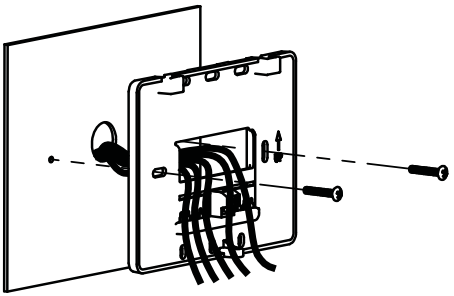


Figure 7. Label exposed wires.

6. Use the level to mark the backplate mounting position.
7. Mark positions of the screw holes (two at minimum) with a pencil.
8. Drill holes at pencil-marked locations (3/16" for drywall, 7/32" for plaster).
9. Insert the wall anchors in the holes. Use a hammer to gently tap anchors into holes.
10. Mount the EZY-STAT thermostat backplate on the wall. After mounting, assure that all loose wires come through the center opening of the backplate (see Fig. 8).

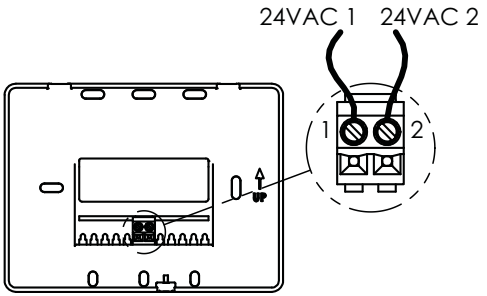
Figure 8.
Attach thermostat backplate.



Attach wires to the EZY-STAT thermostat backplate.

1. Using a small flathead screwdriver, loosen the screws on the terminal block, located on the backplate, to allow the wires to be inserted easily.
2. Strip the insulation of each wire at a proper length.
3. Insert the appropriate wires into the terminal block as shown in the wiring diagram below (see Fig. 9).
   a. Connect 24VAC 1 to terminal 1.
   b. Connect 24VAC 2 to terminal 2.
4. Tighten each terminal block screw until the wires are held firmly in place. Ensure that no uninsulated wire is exposed.

Figure 9.
EZY-STAT backplate with terminal block.



3. Install batteries in the EZY-STAT

Batteries are recommended for the EZY-STAT thermostat. Insert two AA batteries in the EZY-STAT back compartment where indicated (see Fig. 10). Make sure batteries are inserted properly.

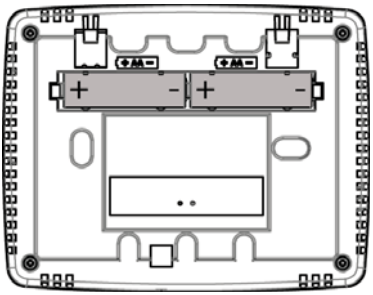


Figure 10. EZY-STAT reverse view. Insert two AA batteries.

4. Perform advanced configuration of the EZY-STAT before pairing

Perform advanced configuration for thermostat before performing wireless pairing. (See "Advanced Configuration" section). Advanced configuration allows you to customize thermostat settings, such as temperature display, time and day display, programming commands, and to create setpoints for scheduling different time periods. For more information on using thermostat's buttons and features, refer to the "Arzel EZY-STAT Wireless System Operating Manual."

5. Establish a wireless connection

Perform wireless pairing after the EZY-REC is installed and advanced configuration is complete. For best results, perform wireless pairing before the EZY-STAT thermostat is attached to the backplate.

NOTE: Wireless pairing is time sensitive. Pairing the EZY-STAT with the EZY-REC must be completed within two minutes after initiating the pairing process. (If you wait longer than two minutes, restart the wireless pairing process at Step 1.)

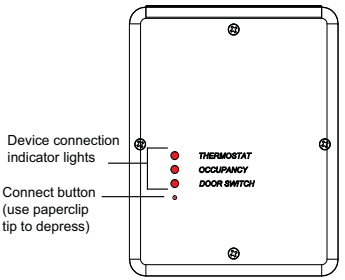
Installation Tips

- Hold the EZY-STAT thermostat within 6-10 feet (3 m.) of the EZY-REC receiver during pairing.
- Step 3 below must be completed within two (2) minutes of completing Step 2, initiating the flashing LEDs on the EZY-REC receiver.

1. Turn on power to both the EZY-STAT and EZY-REC. Note: Do not attempt to pair more than one Arzel EZY-STAT Wireless System simultaneously.
2. Using a paperclip on the EZY-REC receiver, push and hold the CONNECT button until all three LED lights flash for about 10 seconds (see Fig.11). If only two LEDs flash, continue pressing CONNECT button until all three LEDs flash.

Figure 11.
EZY-REC receiver LEDs: Thermostat, Occupancy, and Door Switch.

CONNECT button appears at bottom.



Note: The following steps must be performed within two minutes of initiating the flashing LEDs on the EZY-REC (Step 2).

3. Press simultaneously ▲ and ▼ buttons on EZY-STAT until 1 appears in Display.
   a. Press the SYSTEM button continuously until Service Menu 43 appears.
   b. Pause at Service Menu 43. Display will change to 0.
   c. Press ▲ button to change the 0 to 1 *within* Service Menu Function 43.
      • EZY-STAT Display will begin countdown from 99 and stop before 0 (Countdown indicates that pairing process has begun).
   d. Wait for the Service Indicator on the EZY-STAT to begin flashing (which indicates EZY-REC was found but pairing process not yet complete).
      • EZY-STAT Display will show the room temperature.
   e. Wait for up to 10 minutes to allow completion of pairing process. Do not press buttons during this process.

Wireless pairing is successful only when you see the following:

- EZY-REC "Thermostat" LED is continuously lit.
- EZY-STAT Service Indicator disappears from Display.

NOTE: For more help, see "Frequently asked questions & troubleshooting."

Verify wireless pairing

After the EZY-STAT and EZY-REC are installed, configured, and the wireless pairing process is complete, verify the EZY-STAT operation:

1. Press FAN button on EZY-STAT thermostat.
2. Press FAN button continuously until ON is flashing.
3. Allow timeout. Flashing menu option (ON) is automatically selected.
   Note: Fan blower should begin to operate (there may be a delay).
4. Press FAN button until AUTO begins flashing so it is automatically selected.
   Note: FAN has now been reset to AUTO.
5. Allow the device to time out. Wireless verification is complete.

Interpreting the EZY-REC Indicator LEDs

LED indicator lights on the EZY-REC may also be used to diagnose communication errors. Use the following table to interpret the EZY-REC LEDs.

If EZY-REC LED...	Interpretation
Blinks once	• EZY-REC is receiving **valid** messages from another device.
Blinks twice	• EZY-REC is receiving **invalid** messages from another device.
Blinks intermittently	• EZY-REC is receiving **invalid** messages that may be caused by an excessive amount of obstruction between the EZY-REC and other wireless paired devices; or from excessive interference from other wireless devices. Note: If the EZY-REC LEDs indicate invalid messages frequently, review for help the following sections: "Install EZY-REC receiver" or "Frequently asked questions& troubleshooting."

If replacing either the EZY-STAT or the EZY-REC, follow these instructions:

- A brief connection process must be performed that erases all previously paired devices from the EZY-REC memory. Hold the CONNECT button down until all the LED lights begin to flash (about 10 seconds). Wait until all 3 LEDs stay lit for 1 second and begin to flash. Begin the pairing process again at "5. Establish a wireless connection."

6. Mount the EZY-STAT onto the backplate

1. Attach thermostat by sliding the mounting tabs (on its reverse side) down onto the hinge pockets on the backplate (see Fig. 12-13). Make sure that thermostat's pins on reverse fit securely into the terminal block on backplate.
2. Install retaining screw provided with the mounting hardware (see Fig. 12). Note: Inserting the retaining screw is recommended to assure thermostat is securely attached to the wall.

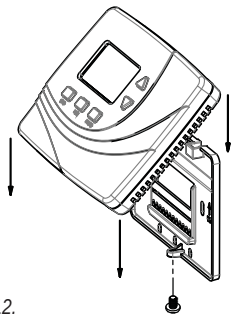


Figure 12.
Mount thermostat onto backplate (frontal view). Use retaining screw shown here.

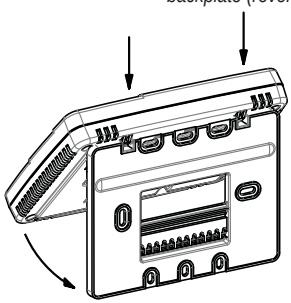


Figure 13.
Mount thermostat onto backplate (reverse view).

Advanced configuration: EZY-STAT thermostat

In the following section, you will learn how to access SYSTEM (SYS) menu options for advanced configuration. To access the system menu, follow the instructions below. After you access each service menu option, a default value will appear on the screen.

1. Simultaneously press ▲ and ▼ buttons until you see "1" in the Display.
2. Press SYS button continuously to scroll until desired menu number appears.
3. Press ▲ and ▼ to select desired option once you enter the service menu.

Changed values will be saved by: 1) waiting for the timeout to occur; or 2) moving to the next menu. (Automatic saving of the value occurs after 15 seconds). NOTE: You can verify system operation by accessing the system test options (service menus 80-83). To abort system tests, exit the test menus and then depress the CONNECT button for less than five seconds; this resets EZY-REC to its initial state.

Temperature Display °F / °C: Select Fahrenheit (°F) or Celsius (°C)

Menu 1 — 1=°F; 2=°C

Default: 1 (Fahrenheit) — Options:1, 2 — Selection:_____

Fan Delay: Select the duration period for fan after demand has ended

Menu 3

Default: 0 — Options: 0 to 99 seconds — Selection:_____

Temperature Range Low: Select the lowest selectable temperature value

Menu 4

Default: 50°F — Options: 50-90 °F / 10-32 °C — Selection:_____

Temperature Range High: Select the highest selectable temperature value

Menu 5

Default: 90°F — Options: 50-90 °F / 10-32 °C — Selection:_____

Zone Temperature Offset: Select to adjust the sensed Zone Temperature reading from the A to D converter

Menu 8

Default: 0°F — Options: +/- 9°F, +/- 4.5°C — Selection:_____

Keypad Lockout: Select to allow restrictions to occupant access

Menu 9

0= No keypad lockout
1= Disables all buttons except ▲ and ▼ buttons.
2= Disables all buttons

Default: 0 — Options: 0-2 — Selection:_____

System Program Mode: Select to determine which system modes occupant can select

Menu 12

0= OFF, AUTO
1= OFF, HEAT, COOL, AUTO
2= OFF, HEAT, COOL
3= AUTO, HEAT, COOL

Default: 1 Options: 0-3 Selection:_____

Deadband Adjust: Select the changeover deadband value to prevent short cycling between heating and cooling modes; adjustable to meet HVAC system requirements

Menu 17

Default: 3 °F Options: 3-10 °F / 1.5-5 °C Selection:_____

Pre-occupancy Purge: Select to define a period of time the fan will run (to circulate fresh air) before an occupied period begins

Menu 25

Default: 0 Options: 0 to 3 hours Selection:_____

Cycles Per Hour (CPH) for Cool Stage 1: Select Cycles Per Hour for Cool Stage 1. 0 disables cycling and thermostat becomes an ON/OFF control.

Menu 30

Default: 3 CPH Options: 0 to 6 CPH Selection:_____

Cycles Per Hour (CPH) for Heat Stage 1: Select Cycles Per Hour for Heat Stage 1. 0 disables cycling and thermostat becomes an ON/OFF control.

Menu 32

Default: 5 CPH Options: 0 to 12 CPH Selection:_____

Recovery Rate for Heat: Set temperature for heat recovery rate. 0 disables ramp recovery, uses step response.

Menu 35

Default: 5°F/Hr, 3°C/Hr Options: 0-18°F/Hr, 0-10°C/Hr Selection:_____

Recovery Rate for Cool: Set temperature for cool recovery rate. 0 disables ramp recovery, uses step response.

Menu 36

Default: 5°F/Hr, 3°C/Hr Options: 0-18°F/Hr, 0-10°C/Hr Selection:_____

Output Minimum Off Time for Heat and Cool: Set the minimum "off time" for heat and cool output

Menu 40

Default: 4 min. Options: 1-10 minutes Selection:_____

Temp Source (Remote)

Menu 42

0= Temperature will be measured by EZY-STAT internal sensor
1= Temperature will be measured by EZY-REC remote sensor

Default: 0 Options 0,1 Selection:_____

Pairing Start: Allows pairing of EZY-STAT thermostat with the EZY-REC receiver

Menu 43

0= OFF: Not pairing: Thermostat will not pair with the EZY-REC receiver
1= ON: Pairing: Thermostat will attempt to pair with the EZY-REC receiver

Default: 0 Options 0,1

Intermittent Fan Enable: Allows lowest fan speed to operate during setback

Menu 45

0= Disable
1= Enable

Default: 0 Options 0, 1 Selection:_____

Intermittent Fan Off Time: Number of minutes fan will be off when intermittent fan is enabled

Menu 47

Default: 25 min. Options: 0-60 min. Selection:_____

System Type

Menu 50

0=1H/1C Conventional
1=1H/1C Heat Pump
2=1H/1C Heat Pump+Emergency
3=1H without Fan
4=Heat only with fan
5=Cool only (1 Cool)
6=2Heat/ 1 Cool heat pump (with Aux heat)
7=2 Heat/2 Cool multistage conventional
8=2 Heat/1 Cool multistage conventional
9=1Heat/ 2 Cool multistage conventional
10=2 Heat/2 Cool heat pump (no aux. heat)
11=3 Heat/2 Cool heat pump (with aux. heat)

Default: 0 Options 0-11 Selection:_____

Fan Control (Heating)

Menu 51

0=Gas (No fan with heat)
1=Electric (Fan with heat)

Default: 0 Options: 0, 1 Selection:_____

Changeover Value (O/B)

Menu 52

0=O Energize for Cooling
1=B Energize for Heating

Default: 0 Options: 0, 1 Selection:_____

Auxiliary Heat Type

Menu 53

0=Electric (Fan with heat)
1=Gas (No fan with heat)

Default: 0 Options: 0, 1 Selection:_____

Temporary Occupied Duration Limit

Menu 54

0=No limit
1=One hour
2=Two hour
3=Three hour
4=Four hour

Default: 3 Options: 0-4 Selection:_____

Cycles Per Hour (CPH) Second Stage Heating: Select cycles per hour for second stage heat

Menu 56 Selection:_____

Default: 5 Options: 0-12

Cycles Per Hour (CPH) Auxiliary Heating: Select cycles per hour for auxiliary heating level (only available if 3H/2C heat pump is selected)

Menu 57 Selection:_____

Default: 9 Options: 0-12

Cycles Per Hour (CPH) Second Stage Cooling: Select cycles per hour for second stage cooling

Menu 58 Selection:_____

Default: 3 Options: 0-6

Revision

Menu 71 Upon selection, firmware configuration will be displayed. Firmware revision is passive. Wait for process completion.

System Test Heat

Menu 80
0=Heat outputs off
1=Heat stage 1 output active
2=Heat stage 2 output active
3=Heat stage 3 (Aux) output active

Default: 0 Options: 0-3

System Test Cool

Menu 81
0=Cool outputs off.
1=Cool stage 1 output active
2=Cool stage 2 output active

Default: 0 Options: 0-1

System Test Fan

Menu 82
0=Fan output off
1=Fan output active

Default: 0 Options: 0-1

System Test Emergency

Menu 83
0=Emergency heat mode off.
1=Emergency heat mode on.

Default: 0 Options: 0-1

Frequently asked questions & troubleshooting

In case of difficulty, try one of the following troubleshooting suggestions below.

If Display is blank	• Assure fresh AA alkaline batteries are installed. (see p. 11, "3. Install batteries on the EZY-STAT")
If you cannot establish connection for EZY-STAT Wireless Thermostat and EZY-REC Receiver.	• Assure distance between EZY-STAT thermostat and EZY-REC receiver during setup is about 6-10 feet (3 m.) (see p. 11, "5. Establish a wireless connection"). • Monitor Display on EZY-STAT thermostat during pairing process. If pairing is successful, Display will change to show current temperature before countdown reaches 0. EZY-REC receiver will attempt to connect to any available device for up to two minutes. • Do not attempt to pair more than one set of wireless devices.
If "Thermostat" LED on EZY-REC receiver is "flashing"	• Wait until Thermostat LED on EZY-REC is continuously lit, which indicates connection is established (see p. 4, "1. Install EZY-REC receiver." and see p. 12, "Establish a wireless connection").
If connection is broken between EZY-REC and EZY-STAT for more than 10 minutes "Thermostat" LED light will shut off on EZY-REC and will shut off all outputs	1. Verify that both EZY-REC and EZY-STAT have power. 2. If the Thermostat LED light on the EZY-REC does not appear, bring the EZY-STAT and EZY-REC within about 6-10 feet (3 m.). 3. Thermostat LED on the EZY-REC should appear. If no Thermostat LED appears, contact a service technician.
If Service Indicator continues flashing	• Assure that you have waited at least 10 minutes for wireless pairing to occur between EZY-STAT thermostat and EZY-REC receiver (Process generally takes 3-10 minutes). • Restart the wireless pairing process (see p.11, "5. Establish a wireless connection").
If heating or cooling system does not respond	• Increase setpoint to greater than deadband value (see Service menu 17 in "Advanced Configuration.") • Decrease setpoint to less than deadband value (see Service menu 17 in "Advanced Configuration.") • Check circuit breaker and reset if necessary. • Assure the power is on for heating and cooling system is on. • Assure furnace door is closed securely. • Wait at least five minutes for the system to respond.
If heating and cooling equipment running at the same time (or heat does not turn off)	• Check SYS menu 50 to assure that it is set to match your heating and cooling equipment. • Turn off power to EZY-REC receiver. Remove cover and verify wiring.

If heat pump issues cool air in heat mode or warm air in cool mode	• Check SYS menu 52 to assure that reverse valve is properly configured for your system (see "Advanced Configuration").
If heating system is running in cool mode	• Check SYS menu 50 to assure that it is set to match your heating and cooling equipment. • Ensure EZY-REC receiver is wired properly (see p.6, "EZY-REC wiring examples)
If Zone Temperature reads "40"	• Verify that the EZY-REC receiver LED is continuously lit (See "Arzel EZY-STAT Wireless System Operating Manual"). • Verify that the intended temperature source is defined (See SYS menu 42).
If you cannot change system setting to cooling	• Check SYS menu 50 to assure that it is set to match the heating and cooling equipment.

Product specifications

Temperature Range:	50° to 90° F (10° to 32° C)
Differential:	1° F (0.5°C)
Input Power	EZY-STAT thermostat: Two AA alkaline batteries or 24 VAC, 50/60 Hz. EZY-REC receiver: 24 VAC, 50/60 Hz.
Wireless Type	902 to 928 MHz Band, Frequency Hopping Spread Spectrum (FHSS).
Wireless Range	100 feet (30.48 meters) typical reliable range in open air.
Operation Temperature	0° to 120° F (-17° to 48°C)
Shipping Temperature	-20° to 130°F (-28°to 54°C)
Operating Humidity	5% to 95% RH, non-condensing
Physical dimensions	EZY-STAT: 4.5"H x 5.75" W x 1.1"D EZY-REC: 4.8"H x 3.8"W x 1.3"D

FCC compliance

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.

Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment under FCC rules. This device complies with part 15 of the FCC rules. Operation is subject to the following conditions: 1)This device may not cause harmful interference, and 2) this device must accept any interference received, including interference that may cause undesired operation.