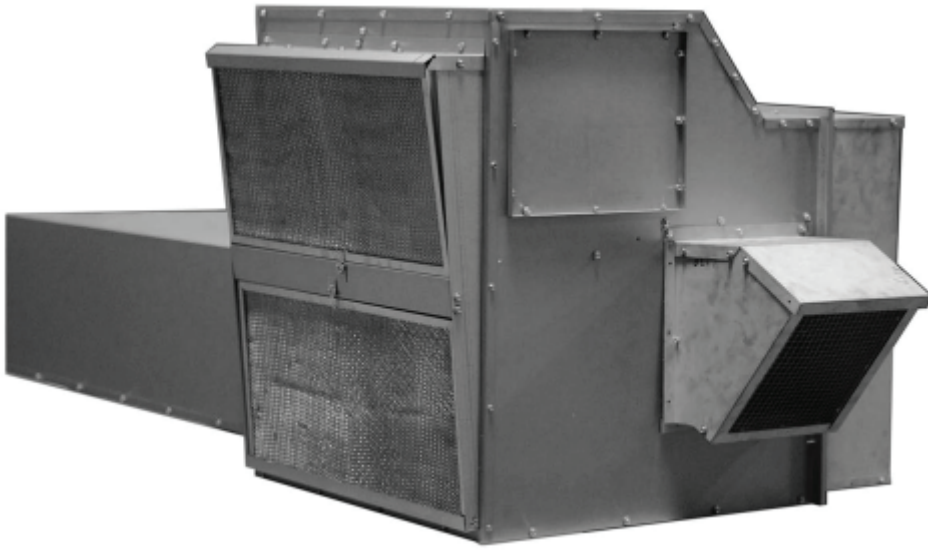
POWER EXHAUSTER FOR SPLIT ROOFTOP UNITS (RTU) 3 TO 6 TONS INSTALLATION MANUAL



Vertical or Horizontal Applications

Compatible Models:
ARNU363DDA4, ARNU483DDA4,
ARNU603DDA4, ARNU723DDA4

Accessory Model Numbers:
Power Exhauster, Dry Bulb Modulating: ZCPE03050DB
Power Exhauster, Single Enthalpy: ZCPE03050SE
Power Exhauster, Dual Enthalpy: ZCPE03050DE

PROPRIETARY DATA NOTICE

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⃠ Do not throw away, destroy, or lose this manual.
Please read carefully and store in a safe place for future reference.
Content familiarity is required for proper installation.

The instructions included in this manual must be followed to prevent product malfunction, property damage, injury, or death to the user or other people. Incorrect operation due to ignoring any instructions will cause harm or damage. The level of seriousness is classified by the symbols described by the summary list of safety precautions on page 4.

For more technical materials such as submittals, visit www.lghvac.com.

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INTRODUCTION

Installation Supplement

JADE™ Economizer with Power Exhaust used with LG Split Rooftop Units with 3D Plug Indoor Fan.

(JADE is a is a trademark of Honeywell International, Inc. or its subsidiaries or affiiliates.)

Note:

In the event that this JADE W7220 economizer is used with an LG 3 to 6 ton rooftop unit with 3D Plug (Centrifugal) Fan, the harness provided with the accessory kit must be field-connected to the JADE W7220 economizer controller.

Kit Instructions:

1. Install the JADE W7220 controller and transformer in the unit control box, per economizer instructions. ⃠ Do not connect wire.
2. Install the LG Dry Contact in the unit control box. The dry contact model names that should be used according to the type of thermostat are as follows.

Note:

LG Dry Contact must be purchased separately.

Table 1: LG Dry Contacts.

Remote Controller	Dry Contact Model No.
LG Thermostat	PDRYCB400
Third-Party Thermostat	PDRYCB320

TABLE OF SYMBOLS

⚠ **DANGER**	*This symbol indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.*
⚠ **WARNING**	*This symbol indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.*
⚠ **CAUTION**	*This symbol indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.*
⚠ **NOTE**	*This symbol indicates situations that may result in equipment or property damage accidents only.*
Note:	*This symbol indicates information related to the current procedure.*
⃠	*This symbol indicates an action that should not be performed.*

Read these instructions completely before attempting to install the Power Exhauster Accessory.

Safety Precautions

⚠WARNING

Because of system pressure, electrical components, and the equipment, installation of this accessory may result in death or serious injury. Only trained qualified installer and service technicians should install, start-up, and service this equipment.

When installing this accessory, observe precautions in the literature and on any labels attached to the equipment and all other safety precautions may apply.

- *Follow all safety codes.*
- *Wear safety glasses and work gloves.*
- *Use care in handling and installing the accessory.*

⚠WARNING

Electrical Shock Hazard

Before performing service or maintenance operations on the unit, always turn off main power switch to unit and install lock(s) and lockout tag(s). Unit may have more than one power switch. Ensure electrical service to rooftop unit agrees with voltage and amperage listed on the unit rating plate.

Failure to follow this warning can cause personal injury or death.

⚠CAUTION

Cut Hazard

- *Failure to follow this caution could result in minor or moderate injury. Sheet metal parts may have sharp edges or burrs.*
- *Use care and wear appropriate protective clothing, safety glasses, and gloves when handling parts and servicing rooftop units.*

⚠CAUTION

Cover the duct opening as a pre-caution so individuals cannot fall into the return duct opening. Be sure to remove the cover when installation is complete.

Failure to follow this caution may cause minor or moderate injury.

⚠NOTE

Failure to follow this caution may result in damage to the unit. Cover the duct opening as a pre-caution so objects cannot fall into the return duct opening. Be sure to remove the cover when installation is complete.

PRODUCT DATA

General Product Data

The economizer system utilizes the latest technology available for integrating the use of free cooling with mechanical cooling for packaged rooftop units. The code compliant JADE W7220 control system optimizes energy consumption, zone comfort, and equipment cycling by operating the compressors when the outdoor-air is too warm or humid, integrating the compressor with outdoor air when free cooling is available, and locking out the compressor when outdoor-air temperature is too cold. Demand control ventilation is supported.

This economizer can be used with variable speed indoor fan motor units. (1 speed fan setup).

Economizer actuators are spring return for full 100% shutdown upon power loss. The economizer system comes standard with fault detection and diagnostics (FDD), an outdoor air sensor, and mixed air temperature sensor (also called supply air temperature sensor). Outdoor enthalpy and CO2 sensors are available for field installation. See tables below and on the next page for sensor usage.

Standard integrated barometric relief dampers provide natural building pressurization control. This power exhaust system is available for applications requiring even greater exhaust capabilities. Refer to LG's other power exhaust documentation (example: submittals) for more details. The power exhaust set point is adjustable at the economizer controller.

Accessory List

Table 2: Usage Chart.

Model Name	Economizer Part No	Thermostat	Dry Contact
ARNU363DDA4 ARNU483DDA4 ARNU603DDA4 ARNU723DDA4	Single Dry Bulb OA Sensor (ZCPE030505DB)	LG	PDRYCB400
		Third-Party	PDRYCB320
	Single Enthalpy OA Sensor (ZCPE030505SE)	LG	PDRYCB400
		Third-Party	PDRYCB320
	Dual Enthalpy OA Sensor (ZCPE030505DE)	LG	PDRYCB400
		Third-Party	PDRYCB320

Note:

LG Dry Contact must be purchased separately.

Accessory List, continued.

Table 3: Package Contents.

Economizer Model No.	Quantity	Contents
ZCPE03050DB Single Dry Bulb OA Control	1	Economizer Damper Assembly with Communicating Actuator
	1	JADE (HW: W7220) Controller with Attached Harness*
	1	Mixed Air Sensor (C7250A1001)
	1	Outside Air Sensor (C7250A1001)
	1	Hood Assembly with Top, Bottom and Two (2) Sides
	2	Aluminum Filter
	1	Hardware Kit (Wiring Harness, Transformer)
ZCPE03050SE Single Enthalpy OA Control	1	Economizer Damper Assembly with Communicating Actuator
	1	JADE (HW: W7220) Controller with Attached Harness*
	1	Mixed Air Sensor (C7250A1001)
	1	Single Enthalpy Sensor Sylkbus (C7400S1000)
	1	Hood Assembly with Top and Two (2) Sides
	2	Aluminum Filter
	1	Hardware Kit (Wirings, Transformer)
ZCPE03050DE Dual Enthalpy OA Control	1	Economizer Damper Assembly with Communicating Actuator
	1	JADE (HW: W7220) Controller with Attached Harness*
	2	Single Enthalpy Sylkbus Sensor (C7400S1000)
	1	Mixed Air Sensor (C7250A1001)
	1	Hood Assembly with Top and Two (2) Sides
	2	Aluminum Filter
	1	Hardware Kit (Wirings, Transformer)

* Shipped in hardware kit for field installation.

HW = Honeywell® (Honeywell is a trademark of Honeywell International Inc.).

Table 4: Economizer Sensor Usage.

Application	Economizer with Outdoor Air Dry Bulb Sensor
Outdoor Air Dry Bulb	Outside air dry bulb (C7250A1001) sensor is factory installed on economizer.
Single Enthalpy	Outside air enthalpy sensor (C7400S1000) is factory provided and field installed.
Mixed Air Sensor	Factory provided and field installed.
Differential Enthalpy Sensor	Outside air enthalpy sensor (C7400S1000) is factory mounted. Return air enthalpy sensor (C7400S1000) is factory provided and field mounted in return duct.*

* Includes C7400S sensor and wiring harness.

PRODUCT DATA

Figure 1: Power Exhaust / Economizer --Vertical or Horizontal Applications.

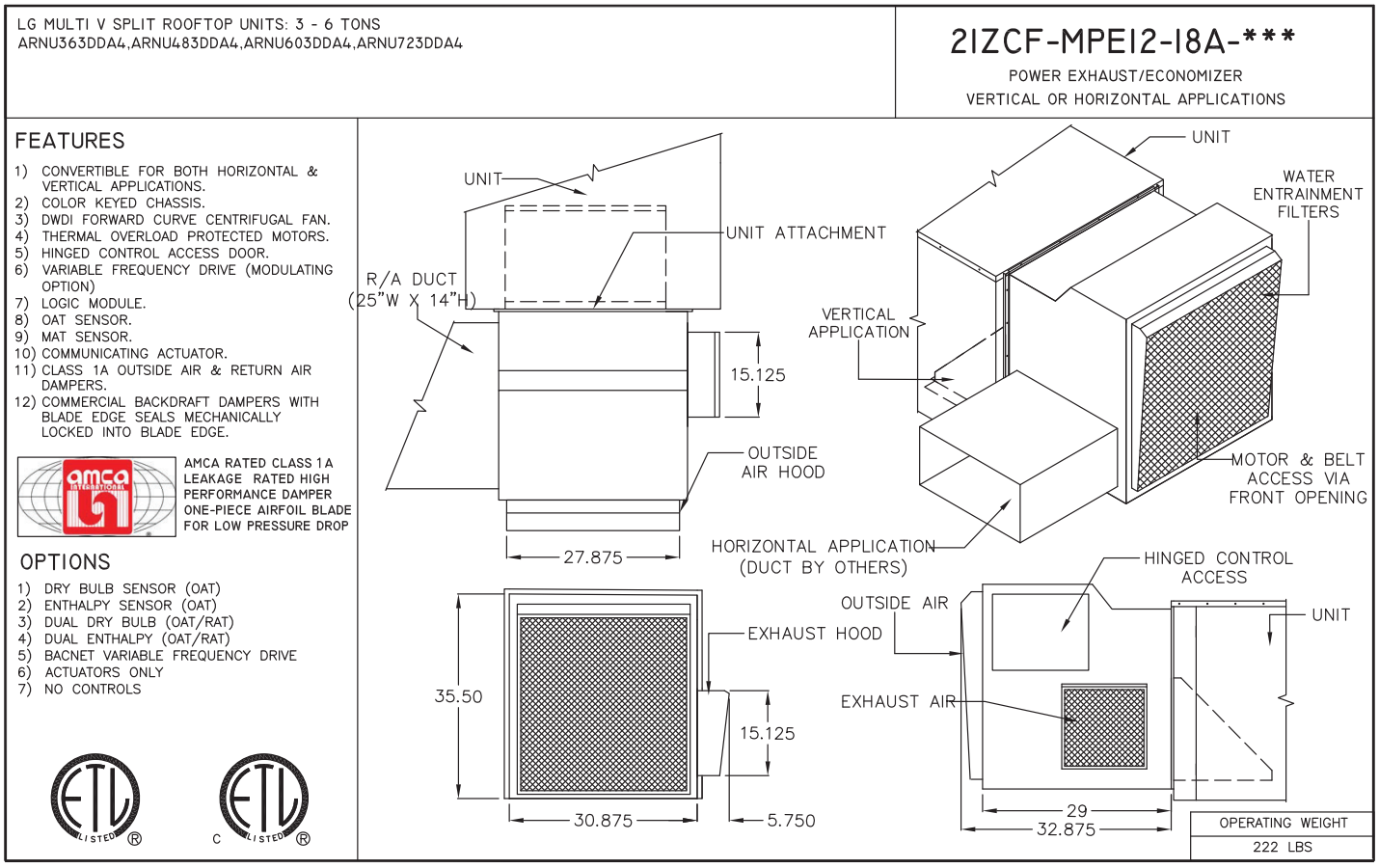


Table 5: Motor / Electrical Data.

Model 21CF-MPE12-18A-***				115 V / 1 Phase			208 V / 1 Phase			230 V / 1 Phase		
				Motor			Motor			Motor		
Tons	CFM	RPM	Motor HP	FLA	MCA	MOCP	FLA	MCA	MOCP	FLA	MCA	MOCP
3	1,200	828	0.5	6.2	7.75	13.95	3	3.75	6.75	3.1	3.875	6.975
4	1,400	846	0.5	6.2	7.75	13.95	3	3.75	6.75	3.1	3.875	6.975
5	1,700	884	0.5	6.2	7.75	13.95	3	3.75	6.75	3.1	3.875	6.975
6	1,800	899	0.5	6.2	7.75	13.95	3	3.75	6.75	3.1	3.875	6.975

Note:

- *Power exhaust is designed for an ESP 0.5 W.C.*
- *Fan performance lab tested by fan manufacturer.*

Table 6: Sound Power Levels.

CFM	Sound Power Levels									
1,200	Freq. (Hz)	63	125	250	500	1,000	2,000	4,000	8,000	Overall
	Lw (dB)	78	78	68	63	61	56	51	46	82
	Lw (dB) (A)	52	62	59	60	61	57	52	45	82
1,400	Freq. (Hz)	63	125	250	500	1K	2K	4K	8K	Overall
	Lw (dB)	78	78	68	63	61	56	51	46	82
	Lw (dB) (A)	52	62	59	60	61	57	52	45	68
1,700	Freq. (Hz)	63	125	250	500	1K	2K	4K	8K	Overall
	Lw (dB)	79	79	69	64	62	57	52	47	83
	Lw (dB) (A)	53	63	60	61	62	58	5	46	69
1,800	Freq. (Hz)	63	125	250	500	1K	2K	4K	8K	Overall
	Lw (dB)	82	82	72	65	67	60	55	50	86
	Lw (dB) (A)	56	66	63	62	67	61	56	49	72

Table 7: Sheave Adjustment.

Sheave Turns to Achieve CFM / RPM		
CFM	Sheave Turns	Actual RPM
1,200	5	828
1,400	4.5	846
1,700	4	884
1,800	3.5	899

Table 8: Damper Pressure Drop.

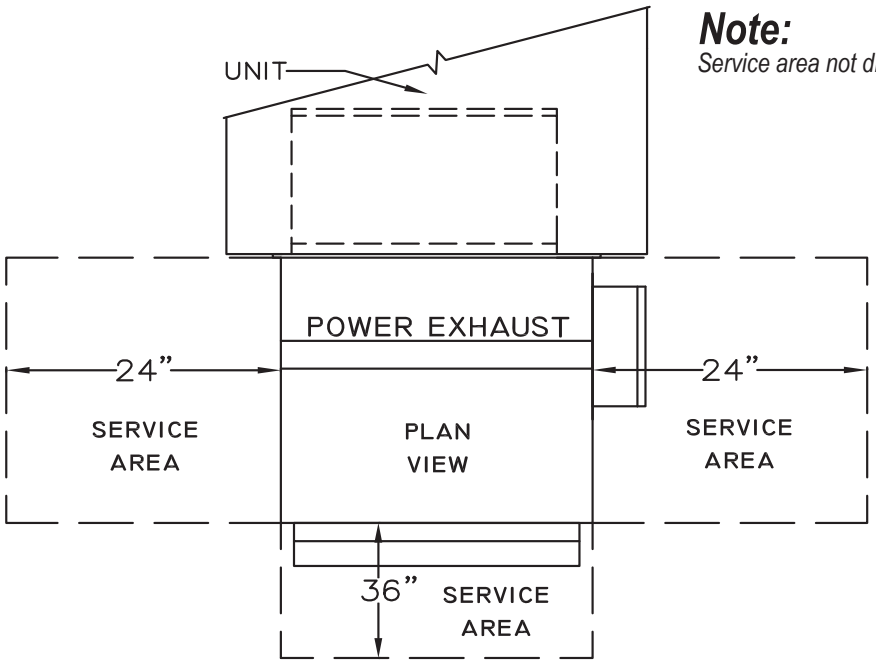
Damper Pressure Drop		
CFM	O/A PD (IN. WG)	R/A PD (IN. WG)
1,200	0.0137	0.0137
1,400	0.0159	0.0159
1,700	0.0194	0.0194
1,800	0.0205	0.0205

Note:

- *Turns open are determined from fully closed position.*
- *Fan data acquired by third-party testing.*

Service Clearances

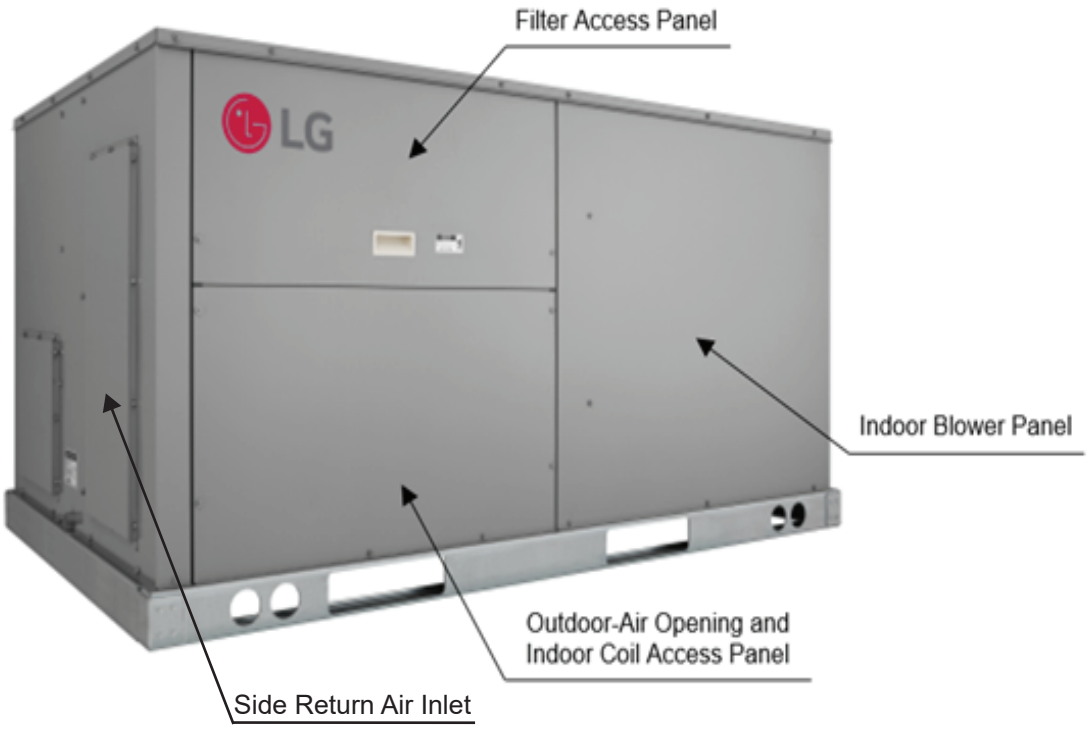
Figure 2: Service Clearances.



Note:
Service area not drawn to scale.

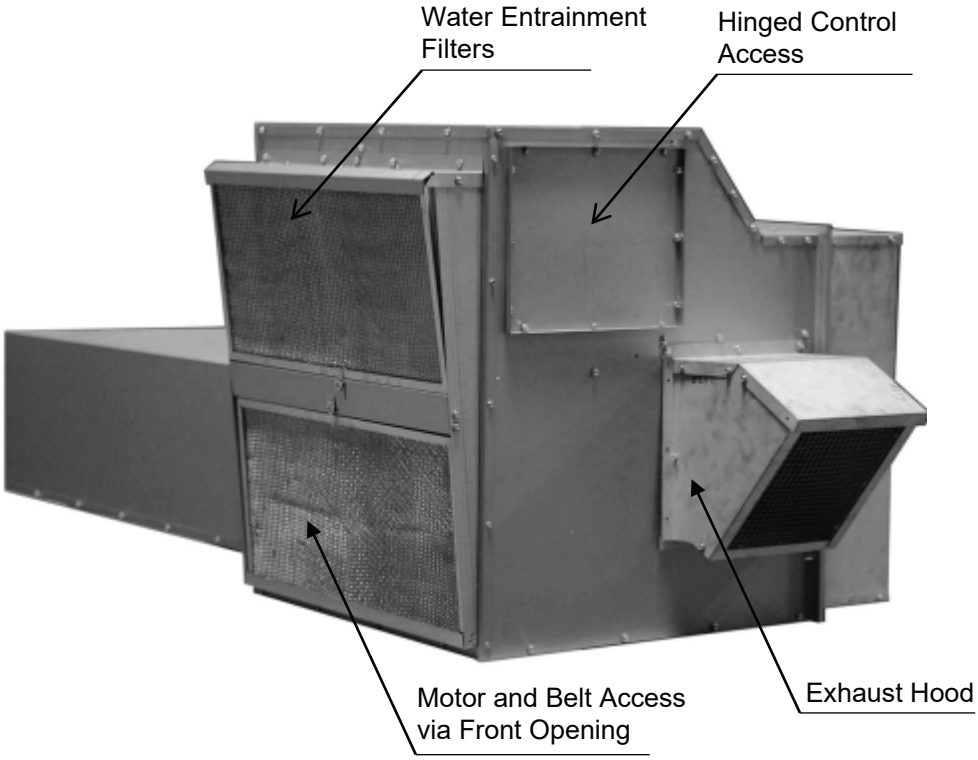
Access Panel Locations

Figure 3: Access Panel Locations.



Power Exhaust Component Locations

Figure 4: Power Exhaust Component Locations.



Unit Installation

⚠WARNING

- *Follow all local, state, and federal codes when wiring the system. Failure to do so will result in death or serious injury.*
- *The exhaust fan can cause death or serious injury. Always disconnect power to the HVAC unit before servicing to avoid electric shock. Failure to do so will result in death or serious injury.*

Step 1:

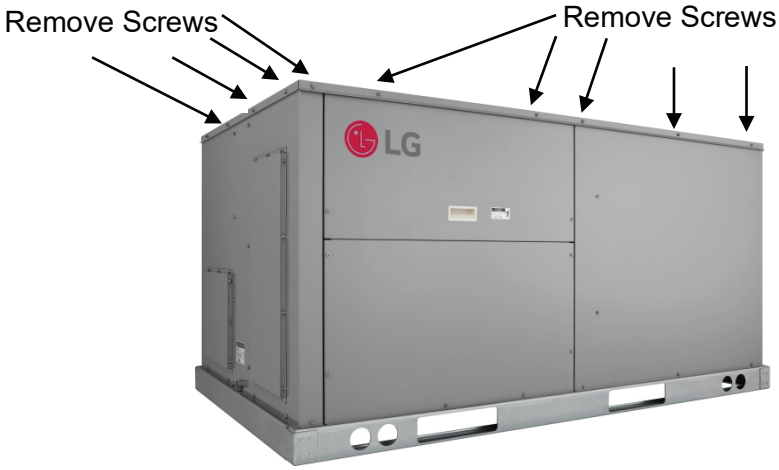
Remove the outdoor air opening and filter access panel from the LG Split RTU unit as shown in Figure 5.

Figure 5: Remove Panels.

Step 2.

Remove front screws of the LG Split RTU unit holding the top of the HVAC unit down. Also, remove screws about three quarters (3/4) of the way down the sides of the unit's top.

Figure 6: Remove Screws from Unit.



Step 3.

Lift the top of the Split RTU unit and prop up with supports, keeping the spacing approximately the same as screw hole placement (required). See Detail No. 2.

Step 4.

Locate exhaust hood from shipping package, place gasket around the flanges of the hood and secure the hood over the exhaust opening with screws provided. See Detail No. 2.

Figure 7: Detail No. 2 on the Split RTU Unit.

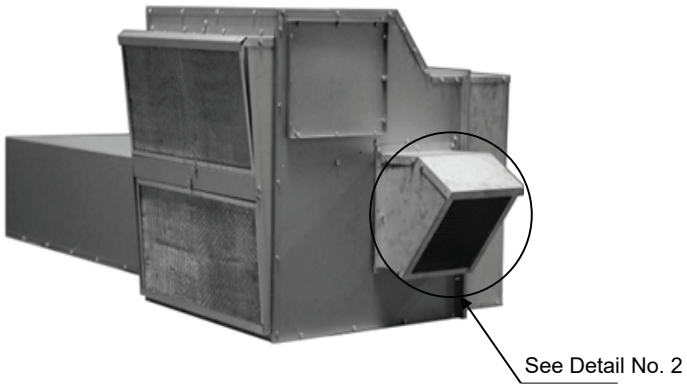
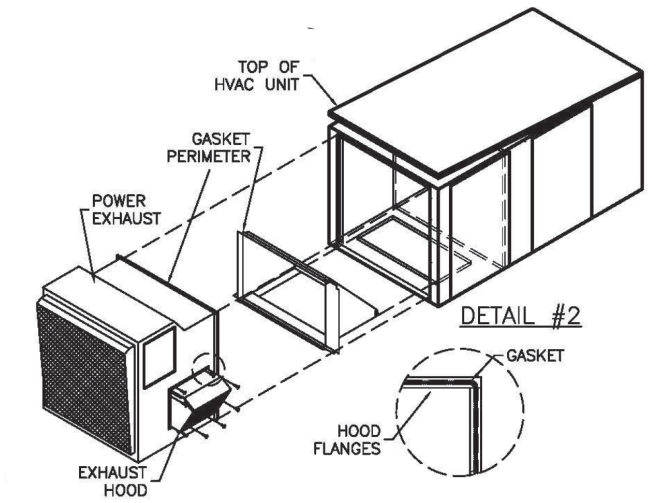


Figure 8: Detail No. 2.



UNIT INSTALLATION

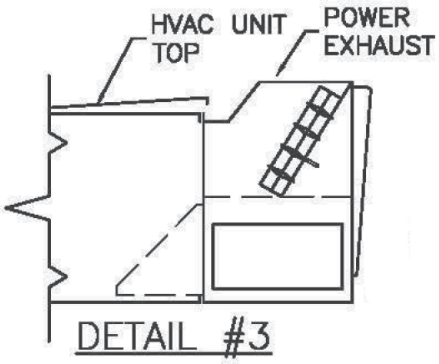
Step 5.

When using the belimo actuator option, consult controls contractor regarding economizer wiring requirements.

Step 6.

Remove the return air pan located at the bottom of the return air hood. Slide the return air hood assembly into the LG Split RTU unit. Put the left side into the compartment first, and slide the assembly into the compartment completely by sliding the left and right sides of the assembly. Slide the power exhaust assembly into the LG Split RTU until the flanges on the back of the power exhaust rests against the LG Split RTU. See Details No. 2 (previous page), and Detail No. 3 (see figure at right).

Figure 9: Detail No. 3 .



Note:

If using the horizontal return option, keep the pan on the return air hood, and remove the horizontal return air panel from the power exhauster. Run duct into this opening.

Step 7.

Remove supports used to prop the top of the LG Split RTU (Step 7).

Note:

The top of the LG Split RTU hooks over the top flange of the power exhaust. See Detail No. 4.

Step 8.

Secure top of the power exhaust to the LG Split RTU by using screws removed in Step 2. Also, screw along the side flanges of the power exhaust using No. 12 x 1 screws provided with the power exhaust package. See Detail No. 5.

Figure 10: Detail No. 4.

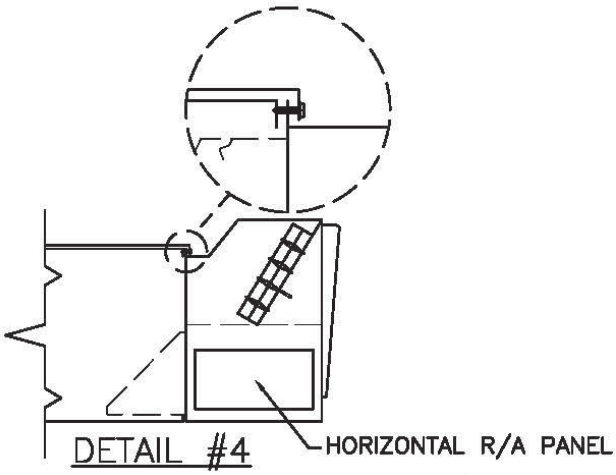


Figure 11: Detail No. 5.

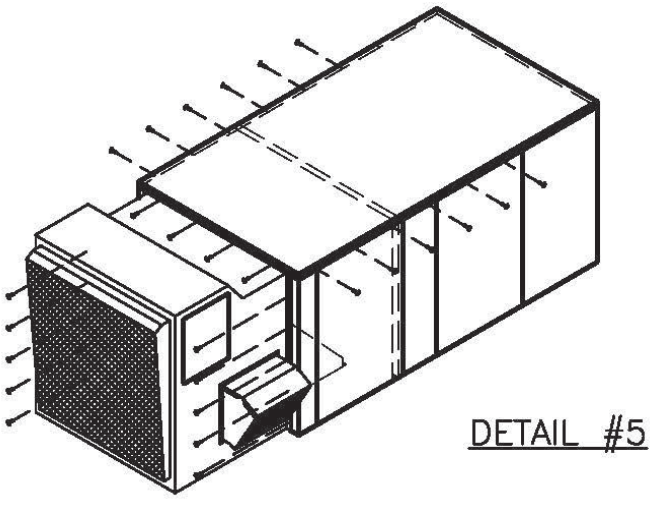


Figure 12: LG Split RTU with Installed Power Exhaust.

Step 9.

Refer to Actuator Removal Section (pages 16 to 19; before beginning Step 9). Remove the JADE Controller mounted on the panel within the power exhauster, and then field-mount inside of the LG Split RTU control box.

Figure 13: Location Where the JADE Controller is Initially Shipped and Mounted (Panel Within the Power Exhauster).

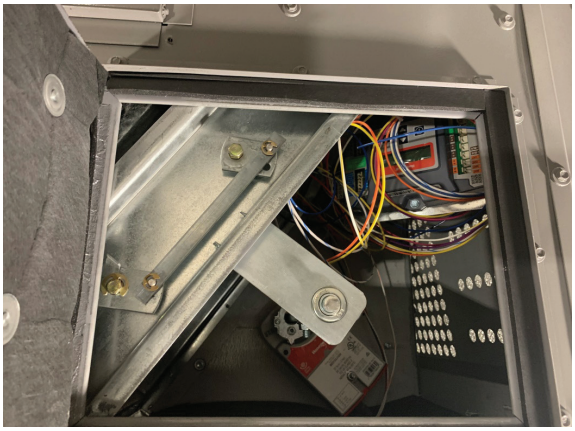
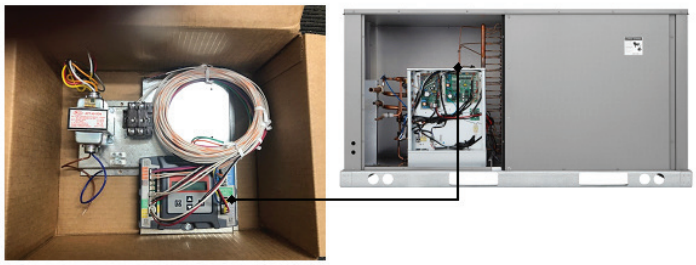


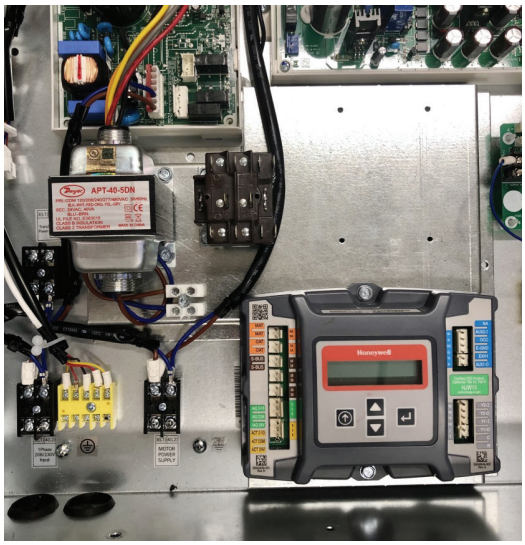
Figure 14: JADE Controller From Inital Panel Location (Within the Power Exhauster) To Final Installation Location (Split RTU Control Panel).



Step 10.

Mount the controller assembly on the right side of the unit control box. Screw the bracket to the control box through pre-punched holes.

Figure 15: Mounting the Controller Assembly Using the Pre-Punched Holes.



Step 11.

The hardware kit provided with the economizer is attached to the controller. Plug the harness into the LG Split RTU per the wiring diagrams provided.

Figure 16: Power Exhaust Sub Panel.

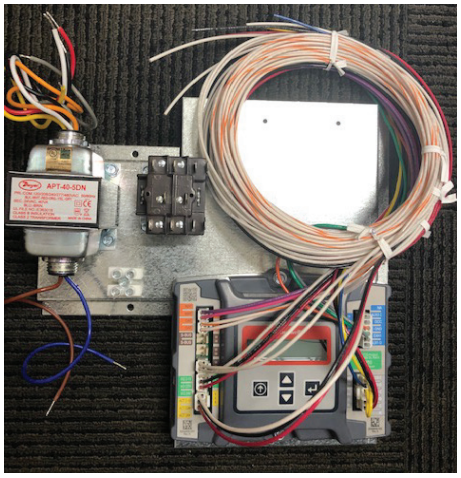


Figure 17: LG Harness Connections A.

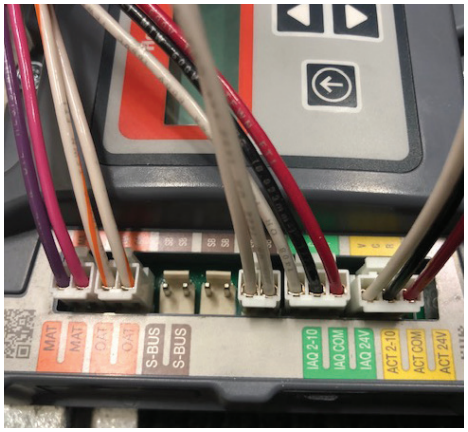


Figure 18: LG Harness Connections B.

Step 12.

Remove the mixed-air temperature sensor from its shipping location. This is located in the outside air intake hood behind the water entrainment filters next to the damper actuator.

Figure 19: Mixed Air Sensor.

Step 13.

Route the mixed-air sensor wires through the LG Split RTU to the supply blower compartment.

Figure 20: Routing the Mixed-Sensor Wires to the Supply Blower Compartment.

Step 14.

Mount the mixed-air sensor on the supply blower so the end of the sensor is over the inlet of the supply blower.

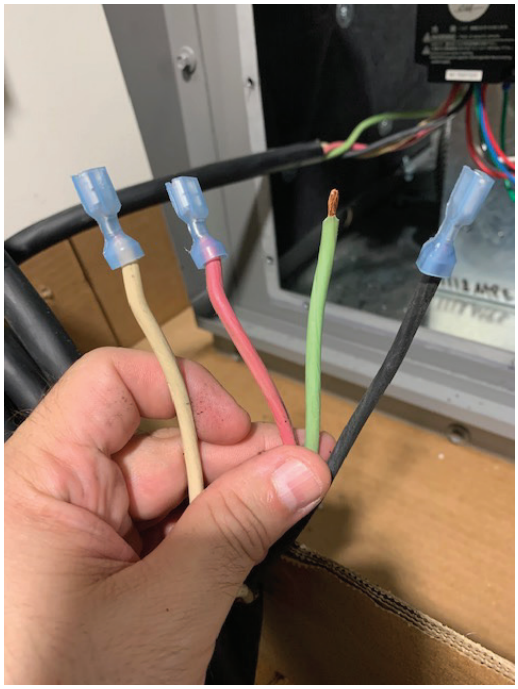
Figure 21: Mixed-Air Sensor Over the Supply Blower Inlet.

Step 15.

Route the UL-approved line voltage cable from the power exhaust through the LG Split RTU to its control box.

Figure 22: UL Approved Line Voltage Cable.

Figure 23: UL Approved Line Voltage Cable Terminals.



Step 16.

MAMAC SYSTEMS® pressure transmitter is coupled to the power exhaust and connected to the motor controller via the variable frequency drive Hitachi® NE-S1 Inverter. It is to be placed at a location that detects pressure within the space for differential pressure control (high-side).

(MAMAC SYSTEMS is a registered trademark of MAMAC SYSTEMS, Inc.

Hitachi is a registered trademark of Hitachi, Ltd.)

Figure 24: Pressure Transmitter.

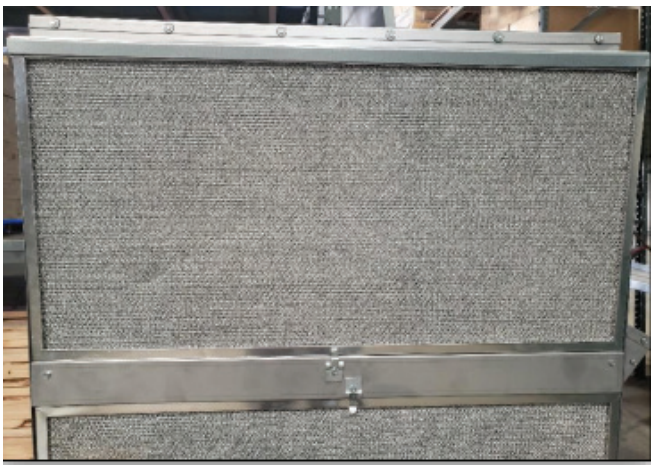
ACTUATOR REMOVAL

Actuator Removal

Step 1.

Remove the filter from the outside air hood by opening the filter clip and sliding the filter back from the bottom.

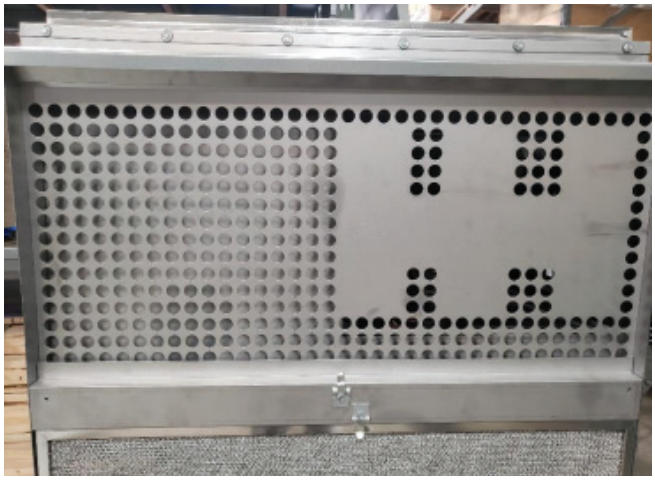
Figure 25: Removing the Filter.



Step 2.

Remove the two screws on the horizontal middle part on the corners of the outside air hood to release the perforated plate. After the perforated plate is released, remove.

Figure 26: Releasing the Perforated Plate.



Step 3.

Remove the screw on the logic module bracket to detach the logic module-bracket assembly.

Figure 27: Removing the Logic Module.

Figure 28: Unscrewing the Logic Module Bracket.

Step 4.

Unscrew the two (2) screws on the bracket that hold the actuator linkage, and then remove the bracket.

Figure 29: Removing the Actuator Bracket.

Step 5.

Remove the spring clip from the damper shaft.

Figure 30: Removing the Actuator Bracket.

Step 6.

Remove the bolt on the linkage bracket and damper shaft.

Figure 31: Removing the Bolt on the Actuator Linkage Bracket / Damper Shaft.

ACTUATOR REMOVAL

Step 7.

Remove the retaining clip on the damper linkage to remove the damper shaft bracket.

Figure 32: Removing the Retaining Clip on the Damper Linkage.

Step 8.

Disconnect the damper linkage, and remove the damper shaft bracket.

Figure 33: Disconnecting the Damper Linkage; Removing the Damper Shaft Bracket.

Step 9.

Remove the retaining clip from the back of the actuator.

Figure 34: Removing the Actuator Retaining Clip.

Step 10.

Insert the shaft coupler in the opposite direction, verify that the position arrow points to zero.

Figure 35: Inserting the Shaft Coupler.

Figure 36: Position Arrow Pointing to Zero.

Step 11.

Reverse Steps 9 through 1.

Figure 37: Tightening the Shaft.

Step 12.

With the actuator bolted back into place, position the Return Air Damper in the open position, and tighten the shaft on the control pivots. During this step, keep in mind which direction the actuator will be rotating. In this case, the actuator will need to rotate in the direction to the damper so that the rod will push the damper blades closed.

Step 13.

Repeat Step 12 with the Outside Air Damper's shaft, and secure the rod while the damper is in the closed position.

Figure 38: Securing the Rod.

Step 14.

To ensure the dampers will properly open and close fully, run the Damper Open Procedure in the Checkout Menu of the - Logic Module. Adjust rod arms in the control swivels accordingly.

Figure 39: Testing the Dampers.

PULLEY REMOVAL / ADJUSTMENT

Pulley Removal / Adjustment

Note:

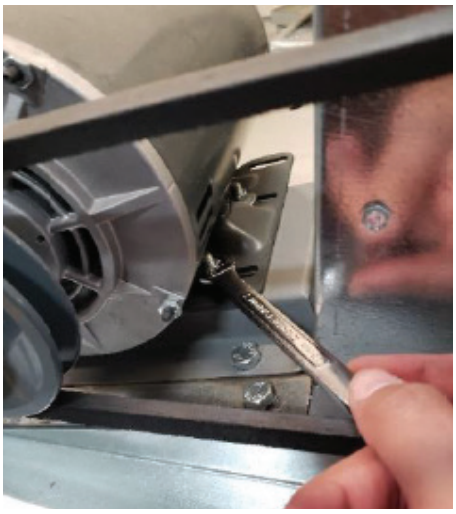
Steps require 11 mm, 13 mm, 14 mm size wrenches, along with a 4 mm Allen wrench.

Step 1.

Locate the sliding base that the motor is mounted to by four (4) bolts, and loosen the bolts using the 13 mm wrench.

Figure 40: Loosening the Motor Mounting Bolts on the Right Side.

Figure 41: Loosening the Motor Mounting Bolts on the Left Side.



Step 2.

The motor adjustment bolt is located on the back of the sliding base. Rotating the motor adjustment bolt clockwise will tighten it; rotating it counterclockwise will loosen it for removal.

Note:

If there is no movement in the motor after subsequent rotations of the adjustment bolt, repeat Step 1.

Figure 42: Preparing to Remove the Belt.

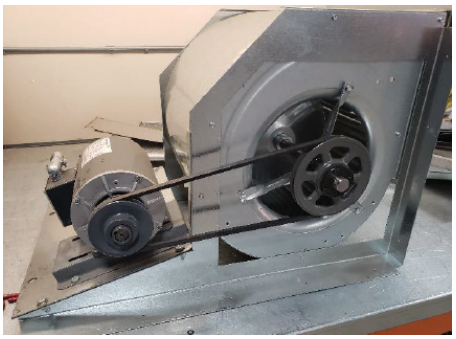


Figure 43: Using a Wrench for Leverage.

Step 3.

Rotate the adjustment bolt until the tension in the belt is low enough for removal from the pulley. Using a wrench for leverage might be required for belt removal.

⚠CAUTION

Take care to avoid pinching hands or fingers while removing or installing the belt.

Figure 44: Top View of the Motor Mounting.

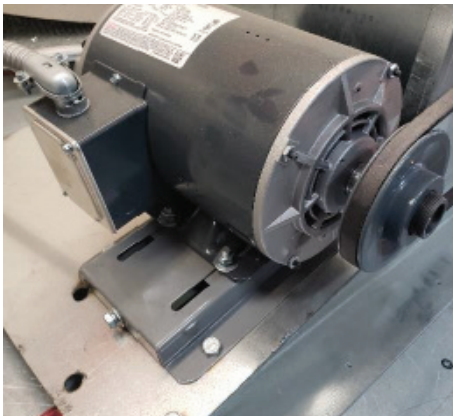


Figure 45: Belt is Loose Enough for Removal.

Step 4.

Remove the two (2) tensioning bolts to remove the pulley from the blow shaft. Use the 11 mm wrench to loosen the two bolts in front of the pulley tensioning bushing.

Figure 46: Loosening the Bolts in Front of the Pulley Tensioning Bushing.

Step 5.

After both tensioning bolts are removed, thread the same bolts in the adjacent holes using the 11 mm wrench. Threading the two bolts will cause the pulley to separate from the tensioning bushing.

Figure 47: Threading Bolts in Adjacent Holes.

Figure 48: Separating the Pulley from the Tensioning Bushing.

Step 6.

When reinstalling the pulley on to the blower shaft, ensure the engraved model number is facing away from the blower. Insert the pulley tensioning bushing over the blower shaft and into the pulley. Insert the tensioning bolts through the two non-threaded holes on the tensioning bushing to the threaded holes on the pulley.

Before securing the tensioning bushing, ensure that the V groove in the pulley and the sheave are inline. After the pulley location has been adjusted, secure the pulley by tightening the tensioning bolts using the 11 mm wrench.

Figure 49: Engraved Model Number Facing Away From the Blower.

Figure 50: Ensuring the V Groove and Sheave are Inline.

Sheave Removal / Adjustment

Note:

Steps require a 4 mm Allen wrench.

Step 1.

Use the 4 mm Allen wrench to loosen (remove / replace) the bolt behind the sheave.

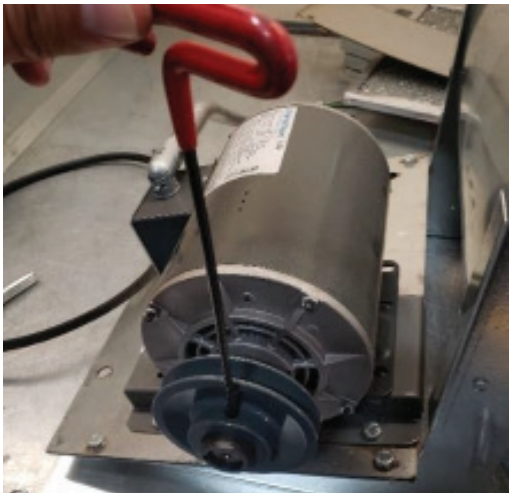
Figure 51: Loosening the Bolt Behind the Sheave.

Step 2.

To adjust the number of turns, loosen the bolt on the front, and turn the front half of the sheave. To tighten the set screw, rotate clockwise. To loosen the set screw, rotate counterclockwise. To prevent the belt from slipping. Tighten the set screw on the unthreaded region.

Figure 52: Close Up of the Bolt in the Front of the Sheave.

Figure 53: Loosening the Bolt in the Front of the Sheave.

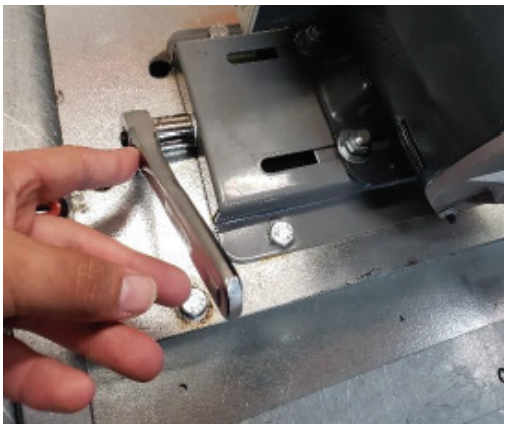


Step 3.

After the sheave is tightened, reinstall the belt on the sheave and pulley. Tighten the bolt on the back of the motor slide base to add tension to the belt.

Figure 54: Reinstalling the Belt.

Figure 55: Tightening the Bolt on the Back of the Motor Slide Base.



Step 4.

Squeeze the belt to make sure that the deflection from its equilibrium is approximately a quarter inch (1/4”). This is the point of optimal efficiency.

Figure 56: Squeezing the Belt.

MAINTENANCE

Maintenance

⚠WARNING

Electrical Live Circuit Hazard

⃠ *Do not touch electrically live parts. Disconnect, lockout and tag out input power supply before installing or servicing motor (includes accessory devices). Failure to follow these instructions causes death or serious injury.*

⚠DANGER

Electrical Shock Hazard

Electrical connections must be made by trained electrical personnel in accordance with all applicable codes, ordinances, and sound practices. Failure to follow these instructions causes serious personal injury and / or death. Only trained personnel who are familiar with the applicable national codes, local codes, and sound practices must install or repair electric motor and the accessories.

⚠NOTE

Electrical connections must be made by trained electrical personnel in accordance with all applicable codes, ordinances, and sound practices. Failure to follow these instructions can result in property damage.

⚠WARNING

Hazardous Locations Motor Repair Hazard

Division 1 Hazard Locations motors can only be modified or repaired by the manufacturer or a facility that is listed under UL's category "Motors and Generators, Rebuild for use in Hazardous Locations". Failure to follow these instructions causes death or serious injury.

⚠NOTE

Hazardous Locations Motor Repair Hazard

Division 1 Hazard Locations motors can only be modified or repaired by the manufacturer or a facility that is listed under UL's category "Motors and Generators, Rebuild for use in Hazardous Locations". Failure to follow these instructions can result in property damage.

Motor Maintenance

General Inspection

Inspect the motor approximately every 500 hours of operation or every three months, whichever occurs first. Keep the motor clean and the ventilation and fin openings clear.

Ventilation

Check that the ventilation openings and / or exterior of the motor is free of dirt, oil, grease, water, etc., which can accumulate and block motor ventilation. If the motor is not properly ventilated, overheating can occur and cause early motor failure.

Insulation

Use a "Megger" periodically to ensure that the integrity of the winding insulation has been maintained.

Filter Maintenance

Life span of the filter varies depending on the type of filter and outdoor conditions. For optimum performance, replace the 1" to 2" thick filters every one (1) to three (3) months, and the 4" thick filters every six (6) to nine (9) months.

V-Belt Maintenance

General Tensioning

Ideal tensioning is the lowest at which the belt will not slip under peak load conditions. Over-tensioning shortens belt and bearing life. Check tension frequency during the first 24 hours of operation. Checks after jog start or one (1) to three (3) minutes of operation, at eight (8) hours, 24 hours, 100 hours, and periodically thereafter are recommended.

Keep belts free from foreign material that may cause slippage. Inspect the V-drive on a periodic basis. Under-tensioned belt drives often produce audible squeaking noise, adjust belt tension when slipping.

⚠NOTE

⃠ *Do not apply belt dressing as this may lead to early belt failure. For proper tensioning, values and replacement frequency, refer to the manufacturer manual.*

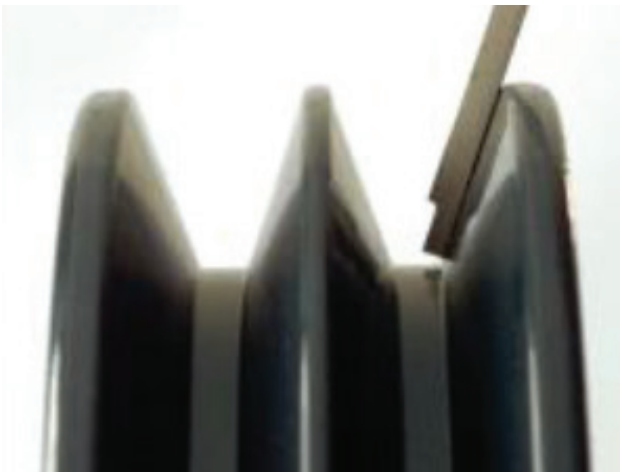
Sheave Maintenance

General Maintenance

Over time, friction between the sheave and the belt erodes sheave material lowering the efficiency. To maintain sheave efficiency, the sheave should be replaced after the wall erosion reaches 1/32", as shown in the figure below. Typically after every five (5) to seven (7) annual belt change.

Figure 57: Example of an Eroded Sheave.

Figure 58: Example of an Acceptable Sheave.



DAMPER TEST

Damper Test A

Step 1.

The damper open procedure can be found by clicking the down (↓) button on the JADE controller when it is displayed in the default STATUS screen as seen below.

Figure 59: Default STATUS Screen.

Step 2.

When the CHECKOUT screen appears, press the ENTER button. (The ENTER button is the button furthest to the right.)

Figure 60: CHECKOUT Screen.

Step 3.

Scroll down in the CHECKOUT Menu until the screen reads DAMPER OPEN. Press ENTER again.

Figure 61: CHECKOUT, DAMPER OPEN Screen.

Step 4.

The screen will ask if a test should be run. The test will begin as soon as the ENTER button is clicked again.

Figure 62: RUN? Screen.

Figure 63: LG Dual Enthalpy Power Exhaust with PDRYCB400 for use with LG Thermostat.

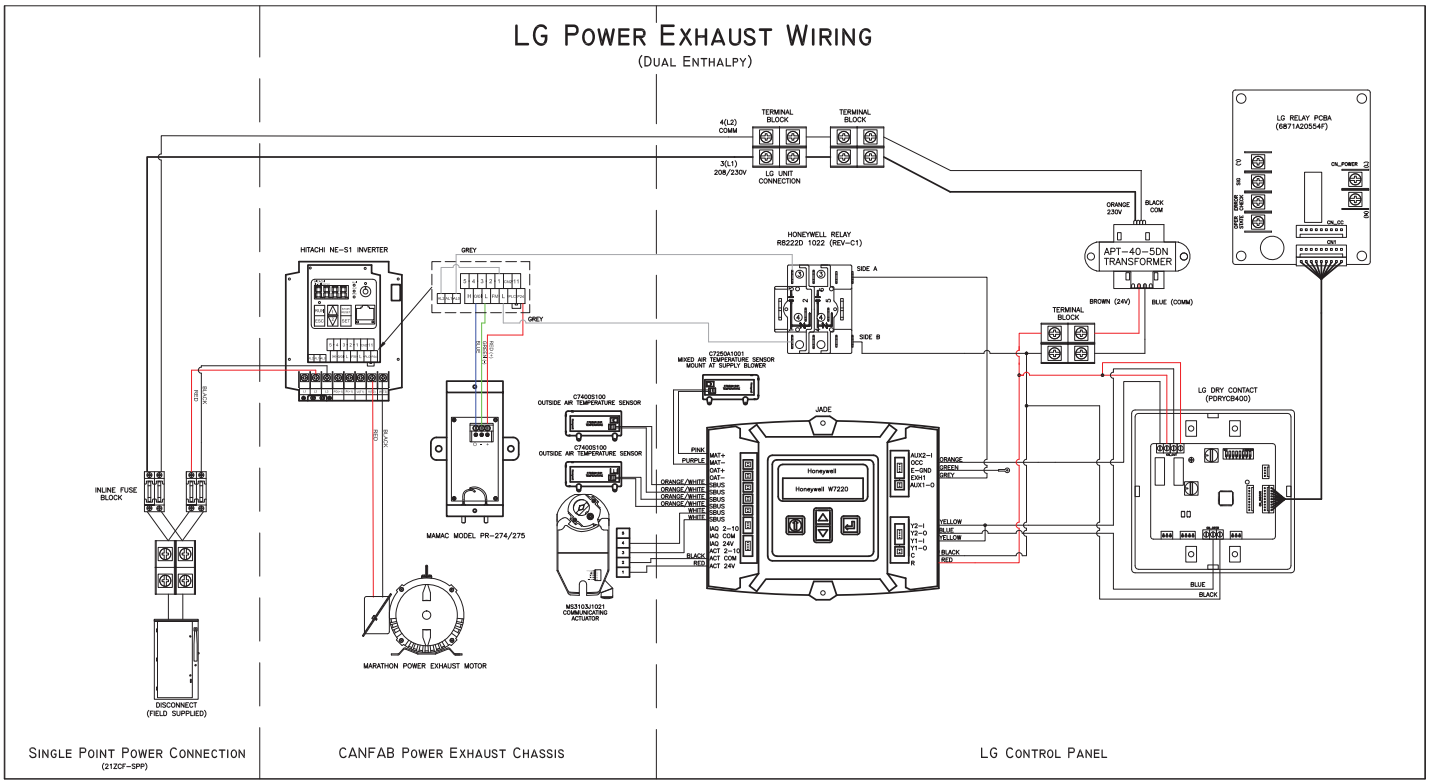
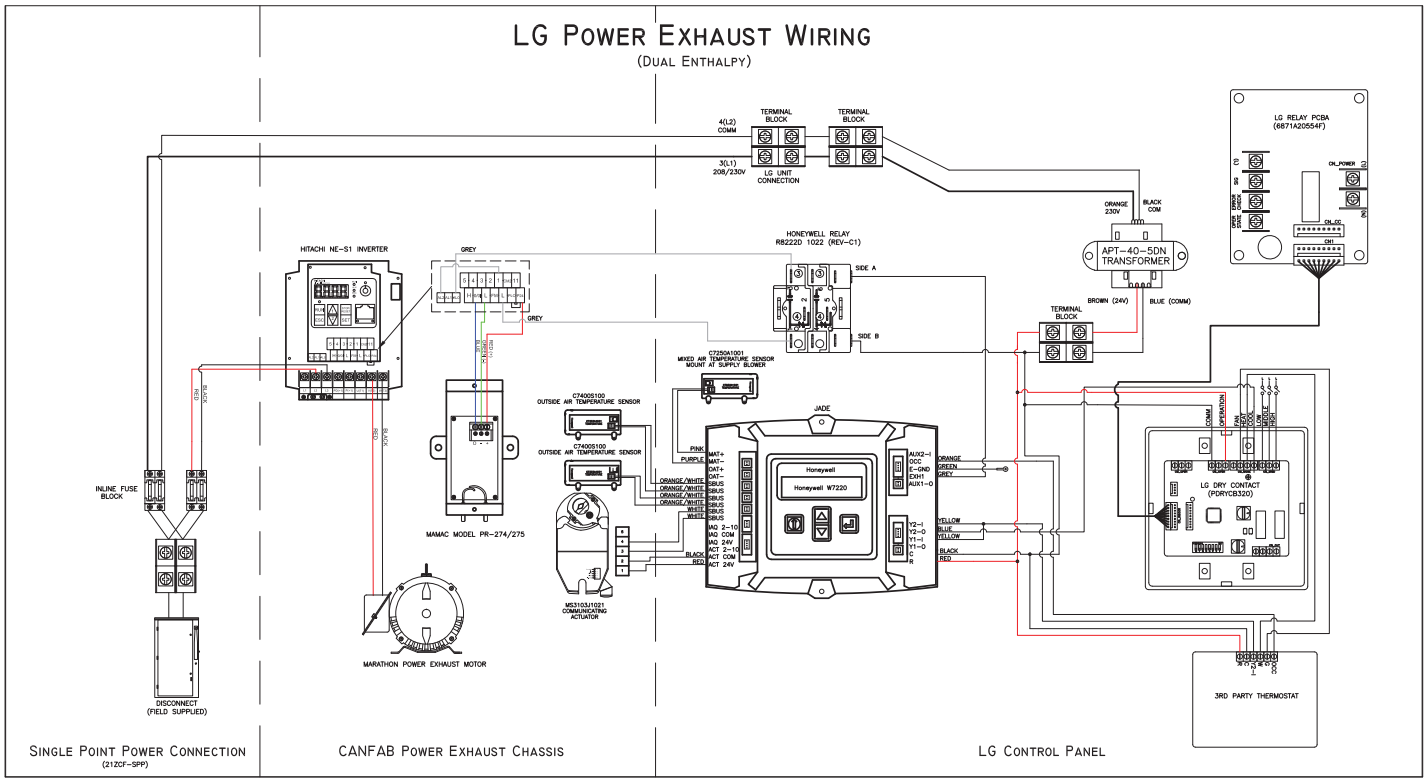


Figure 64: LG Dual Enthalpy Power Exhaust with PDRYCB320 for use with Third-Party Thermostat.



WIRING DIAGRAMS

Figure 65: LG Single Enthalpy Power Exhaust with PDRYCB400 for use with LG Thermostat.

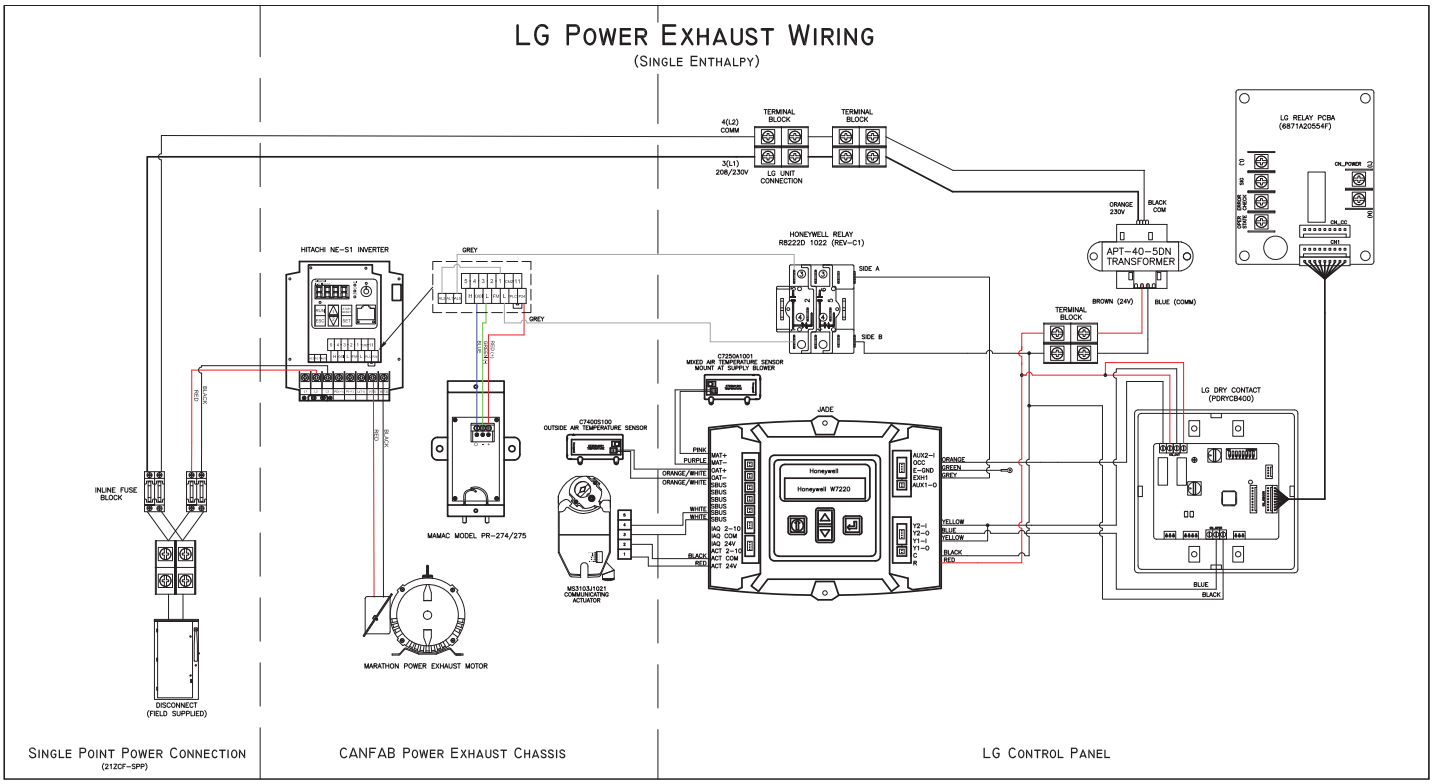


Figure 66: LG Single Enthalpy Power Exhaust with PDRYCB320 for use with Third-Party Thermostat.

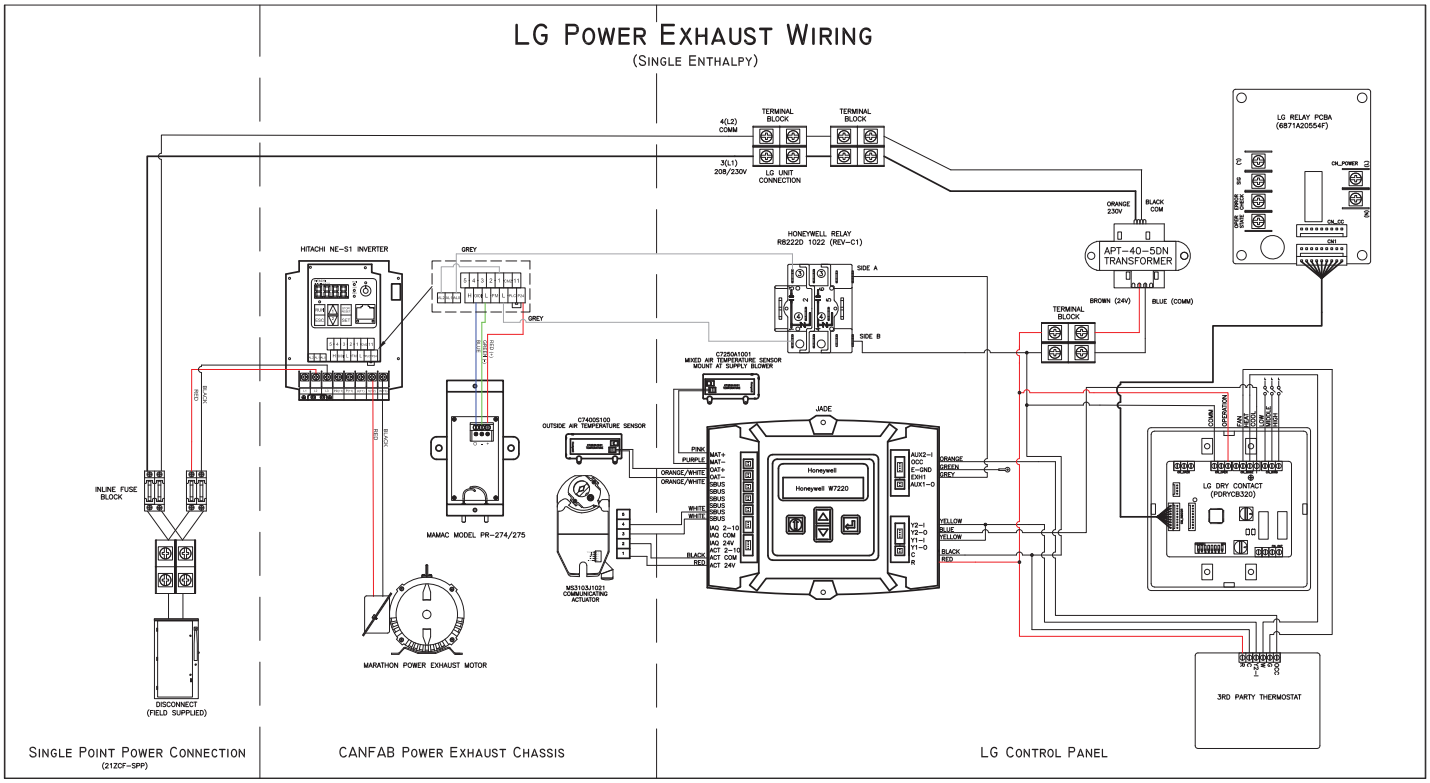


Figure 67: LG Single Dry Bulb Power Exhaust with PDRYCB400 for use with LG Thermostat.

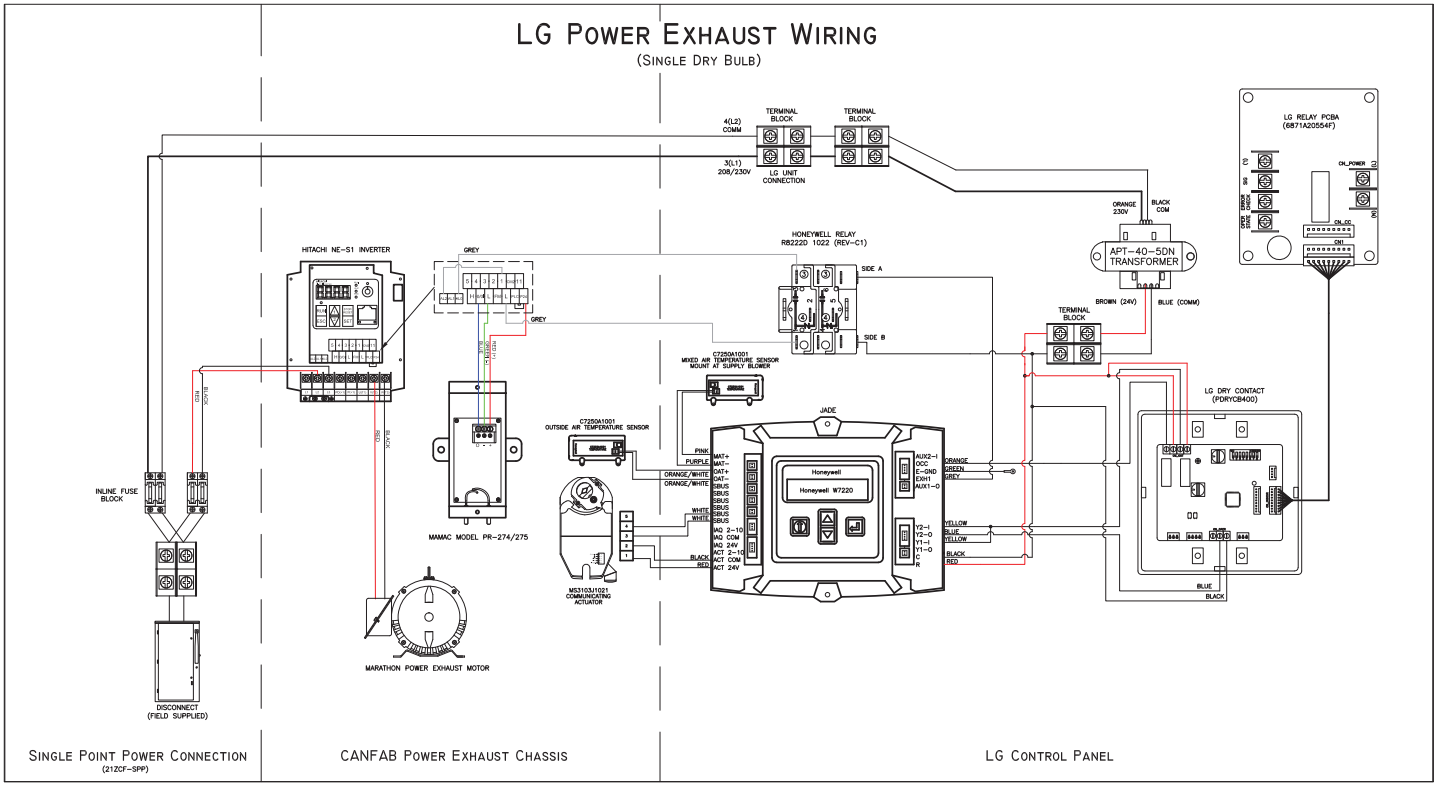
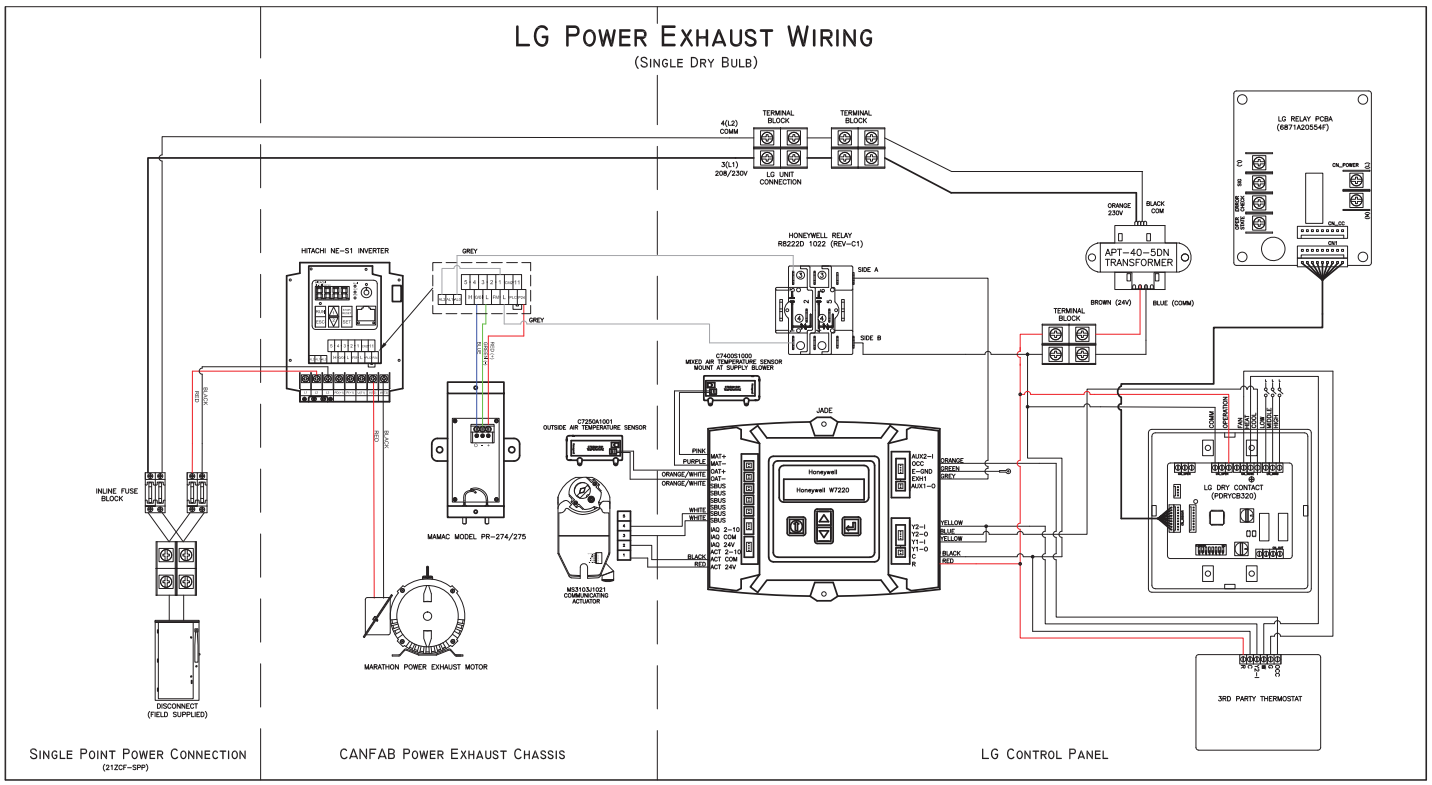


Figure 68: LG Single Dry Bulb Power Exhaust with PDRYCB320 for use with Third-Party Thermostat.



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