Installer’s Guide

Single Point Power Entry Kit

BAYSPEKT200A for BAYEA and BAYEV Heaters

Model Number:	**Used With:**
BAYSPEKT200A	BAYEABC15BK1AA / BAYEA2315BK1AA, BAYEABC20BK1AA / BAYEA2320BK1AA, BAYEVBC15BK1AA, BAYEVBC20BK1AA

⚠ SAFETY WARNING

Only qualified personnel should install and service the equipment. The installation, starting up, and servicing of heating, ventilating, and air-conditioning equipment can be hazardous and requires specific knowledge and training. Improperly installed, adjusted or altered equipment by an unqualified person could result in death or serious injury. When working on the equipment, observe all precautions in the literature and on the tags, stickers, and labels that are attached to the equipment.

September 2025 **AHR-SVN003A-EN**

Introduction

Read this manual thoroughly before operating or servicing this unit.

This document is customer property and is to remain with this unit. Return to the service information pack upon completion of work.

Warnings, Cautions, and Notices

Safety advisories appear throughout this manual as required. Your personal safety and the proper operation of this machine depend upon the strict observance of these precautions.

The three types of advisories are defined as follows:

⚠ WARNING	Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
⚠ CAUTION	Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury. It could also be used to alert against unsafe practices.
NOTICE	Indicates a situation that could result in equipment or property-damage only accidents.

Important Environmental Concerns

Scientific research has shown that certain man-made chemicals can affect the earth's naturally occurring stratospheric ozone layer when released to the atmosphere. In particular, several of the identified chemicals that may affect the ozone layer are refrigerants that contain Chlorine, Fluorine and Carbon (CFCs) and those containing Hydrogen, Chlorine, Fluorine and Carbon (HCFCs). Not all refrigerants containing these compounds have the same potential impact to the environment. Trane advocates the responsible handling of all refrigerants.

Important Responsible Refrigerant Practices

Trane believes that responsible refrigerant practices are important to the environment, our customers, and the air conditioning industry. All technicians who handle refrigerants must be certified according to local rules. For the USA, the Federal Clean Air Act (Section 608) sets forth the requirements for handling, reclaiming, recovering and recycling of certain refrigerants and the equipment that is used in these service procedures. In addition, some states or municipalities may have additional requirements that must also be adhered to for responsible management of refrigerants. Know the applicable laws and follow them.

⚠ WARNING

Proper Field Wiring and Grounding Required!

Failure to follow code could result in death or serious injury.

All field wiring MUST be performed by qualified personnel. Improperly installed and grounded field wiring poses FIRE and ELECTROCUTION hazards. To avoid these hazards, you MUST follow requirements for field wiring installation and grounding as described in NEC and your local/state/national electrical codes.

⚠ WARNING

Personal Protective Equipment (PPE) Required!

Failure to wear proper PPE for the job being undertaken could result in death or serious injury.

Technicians, in order to protect themselves from potential electrical, mechanical, and chemical hazards, MUST follow precautions in this manual and on the tags, stickers, and labels, as well as the instructions below:

- **Before installing/servicing this unit, technicians MUST put on all PPE required for the work being undertaken (Examples; cut resistant gloves/ sleeves, butyl gloves, safety glasses, hard hat/ bump cap, fall protection, electrical PPE and arc flash clothing). ALWAYS refer to appropriate Safety Data Sheets (SDS) and OSHA guidelines for proper PPE.**
- **When working with or around hazardous chemicals, ALWAYS refer to the appropriate SDS and OSHA/GHS (Global Harmonized System of Classification and Labelling of Chemicals) guidelines for information on allowable personal exposure levels, proper respiratory protection and handling instructions.**
- **If there is a risk of energized electrical contact, arc, or flash, technicians MUST put on all PPE in accordance with OSHA, NFPA 70E, or other country-specific requirements for arc flash protection, PRIOR to servicing the unit. NEVER PERFORM ANY SWITCHING, DISCONNECTING, OR VOLTAGE TESTING WITHOUT PROPER ELECTRICAL PPE AND ARC FLASH CLOTHING. ENSURE ELECTRICAL METERS AND EQUIPMENT ARE PROPERLY RATED FOR INTENDED VOLTAGE.**

⚠ WARNING

Follow EHS Policies!

Failure to follow instructions below could result in death or serious injury.

- **All Trane personnel must follow the company's Environmental, Health and Safety (EHS) policies when performing work such as hot work, electrical, fall protection, lockout/tagout, refrigerant handling, etc. Where local regulations are more stringent than these policies, those regulations supersede these policies.**
- **Non-Trane personnel should always follow local regulations.**

⚠ WARNING

Cancer and Reproductive Harm!

This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

⚠ WARNING

Safety Hazard!

Failure to follow instructions below could result in death or serious injury or property damage.

This unit is not to be used by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety.

Do not allow children to play or climb on the unit or to clean or maintain the unit without supervision.

⚠ WARNING

Proper Structural Support Required!

Failure to ensure proper structural ceiling support could result in unit falling from its location which could result in death or serious injury.

Ceiling structure must be strong enough to support the weight of the unit and any accessories. If unsure, check with a structural engineer.

⚠ CAUTION

Sharp Edges!

Failure to follow instructions below could result in minor to moderate injury or property damage.

Be careful of sharp edges on equipment or any cuts made on sheet metal while installing or servicing.

⚠ WARNING

Safety Hazard!

Failure to follow instructions below could result in death or serious injury.

All phases of the installation must conform to NATIONAL, STATE, AND LOCAL CODES. For additional information, please contact your local distributor.

⚠ WARNING

Safety Hazard!

Failure to follow instructions below could result in death or serious injury and/or property damage.

Only qualified personnel with adequate electrical and mechanical experience must repair the unit. The manufacturer or seller is not responsible for any interpretation or resulting liability.

⚠ WARNING

Electrical Shock Hazard!

Failure to follow instructions below could result in death or serious injury.

Always turn off all power to the unit before installing or servicing the unit. There may be more than one disconnect switch. Lock out and tag switch with a suitable warning label.

⚠ WARNING

Grounding Required!

Failure to follow instructions below could result in death or serious injury, or property damage.

- **Reconnect all grounding devices.**
- **All parts of this product that are capable of conducting electrical current are grounded.**
- **If grounding wires, screws, straps, clips, nuts, or washers used to complete a path to ground are removed for service, they must be returned to their original position and properly fastened.**

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Revision History

- Updated literature number to replace 18-GJ15D1-3B-EN.
- Updated kit components and model numbers.
- Updated nameplate images.
- Updated UL certification.

General

BAYSPEKT200A is certified to UL 1995 and UL 60335.

These instructions are for installation of BAYSPEKT200A single point power entry kit in the accessory heaters listed above.

Check for any shipping damage, and if any, report it to the carrier immediately.

Important:

- *The field electrical connections and wiring must be done in accordance with the "National Electrical Code" and must comply with local electrical codes.*
- *Verify that the appropriate kit, heater and air handler combination has been selected.*

Before beginning the installation, verify that the available power supply complies with the requirements of the accessory heater and Air Handler unit model being used.

Important: *Use the right side conduit holes for field wiring.*

Kit Components

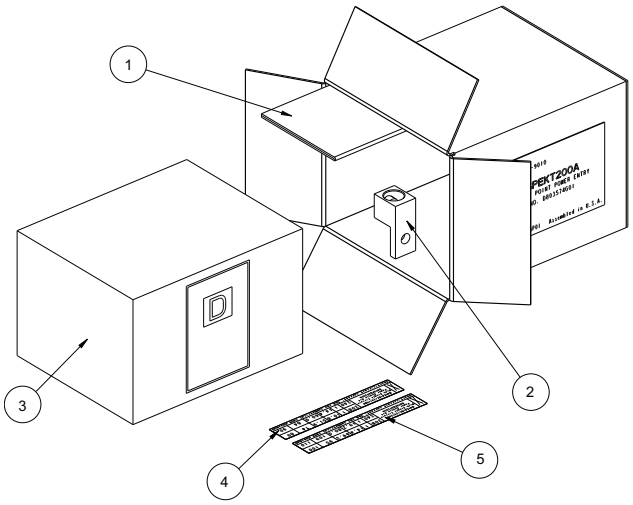
Table 1. Kit components

Item	Drawing No.	Description	Qty
1	AHR-SVN003*-EN	Installer's Guide	1
2	A800997P01	Grounding Lug	1

Table 1. Kit components (continued)

Item	Drawing No.	Description	Qty
3	D807763P03	Single Power Entry Jumper	1
4	D803576P03	Nameplate Label	1
5	D803576P04	Nameplate Label	1

Figure 1. Kit components

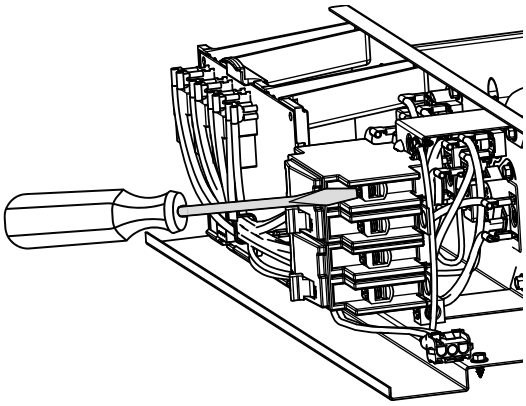


Installation

Single Power Entry Kit

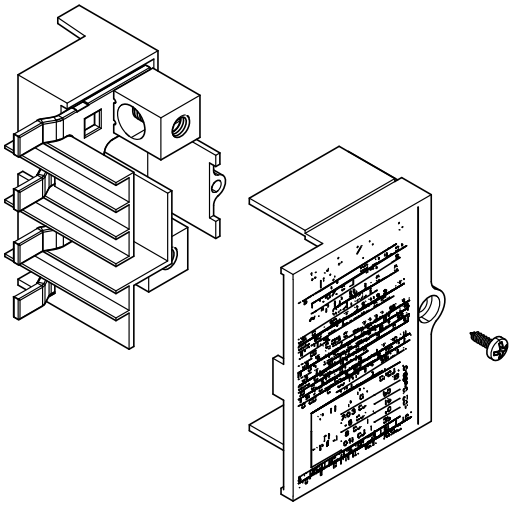
1. Install the heat strip as per the Installer's Guide provided with the heat strip. Do not connect the high voltage leads or connect the seal plate until the single power entry kit is installed.
2. Loosen the lugs on the heat strip breakers and grounding screw.

Figure 2. Lug loosening



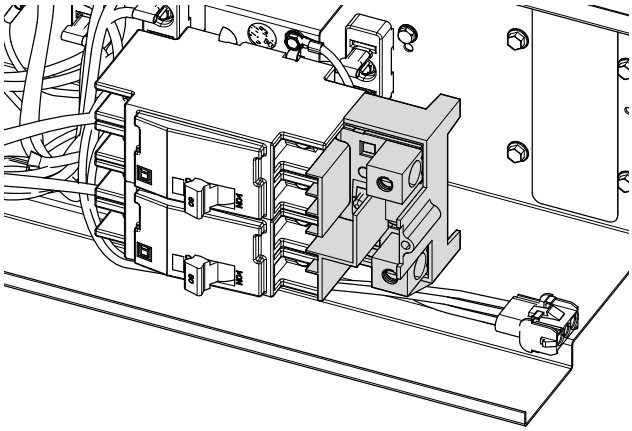
3. Remove the cover plate from the single power entry kit.

Figure 3. Cover plate removal



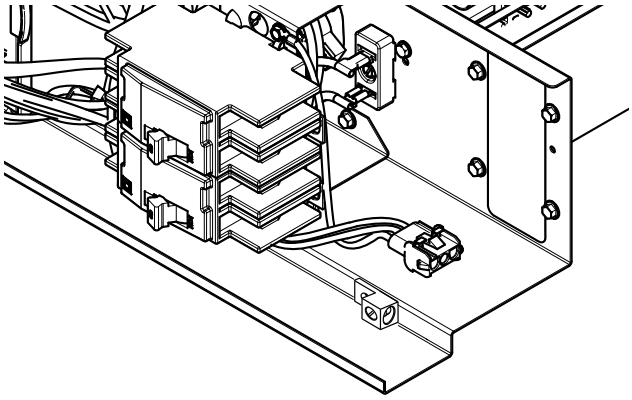
4. Insert the single power entry kit into the breaker lugs. Slide the entry kit all the way into the breaker lugs, making sure all four tabs are bottomed out in each breaker. Tighten all four breaker lugs to a minimum of 45 in-lbs of torque.

Figure 4. Kit installation



5. Use a self-tapping screw to mount the ground lug to the heater flange as shown if using wire larger than 8AWG. If the ground wire is 8AWG or smaller, the existing ground lug mounted on the breaker bracket can be used.

Figure 5. Mounting the ground lug



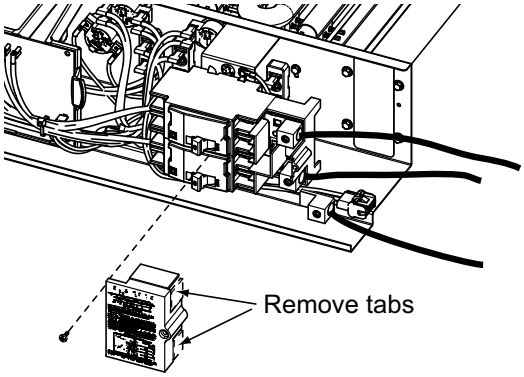
High Voltage Field Wiring

Note: *All field wire to be copper, rated for 75°C minimum. Maximum field wire size is 2/0 AWG.*

1. Check to make certain the proper wire size and circuit protection are installed.
2. Complete installation per accessory heater and air handler installation instructions.
3. Connect the power supply ground wire to the ground lug installed in Step 5. Connect the high voltage field wiring to the terminal block lugs on the single point power entry jumper. Tighten all wires per the torque settings on the single power entry kit cover plate.

4. Break off the two cover tabs on the side of the cover plate on the entry kit. Screw the cover plate to the entry kit. See Figure 6, p. 7.
5. Ensure the seal plate is installed over the breakers. See heat strip instructions.

Figure 6. Seal plate installation



6. Select the appropriate nameplate label (items 4 and 5 in Figure 1, p. 5) included with the single point power entry kit (see Figure 7, p. 7) and apply directly over the accessory heater model on the air handler rating nameplate as shown in Figure 8, p. 7.

Figure 7. Nameplate label

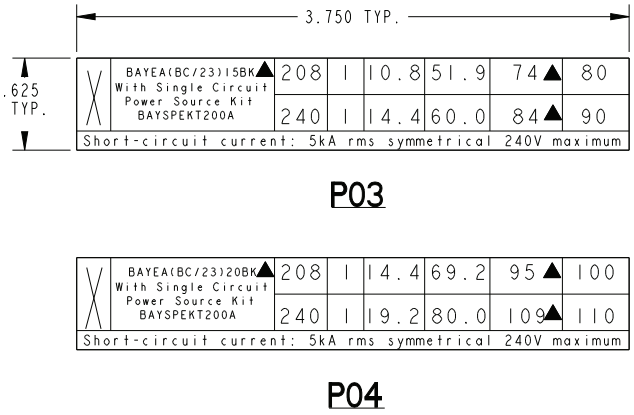
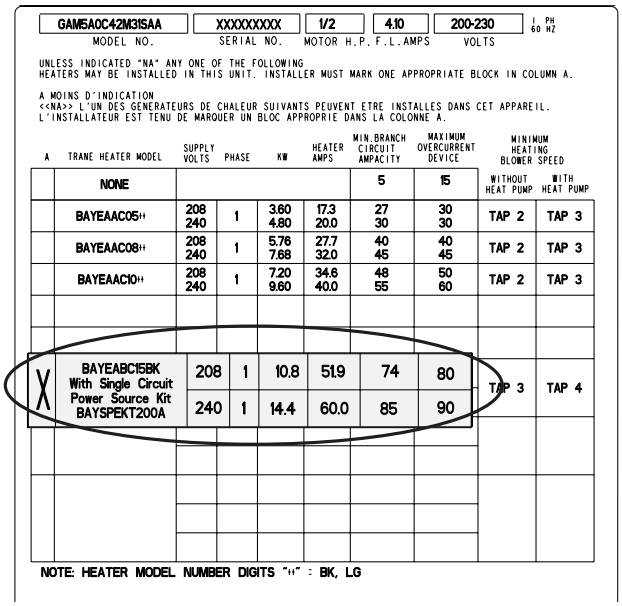


Figure 8. Nameplate label



Low Voltage Wiring (24 Volts)

All low voltage connections are made to the accessory heater via polarized plugs. The low voltage controls are connected to the room thermostat from the air handler low voltage terminal strip or pigtails.

See the field wiring diagram supplied with the air handler Installer's Guide for details and completion of high voltage and low voltage wiring.

About Trane and American Standard Heating and Air Conditioning

Trane and American Standard create comfortable, energy efficient indoor environments for residential applications. For more information, please visit www.trane.com or www.americanstandardair.com.

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