Single Power Entry Kit

Models:

BAYSPEK063F

BAYSPEK060F BAYSPEK061E BAYSPEK062F

BAYSPEK064E

BAYSPEK065E

Used With: See Table 1

WARNING: HAZARDOUS VOLTAGE - DISCONNECT POWER BEFORE SERVICING

ALL phases of this installation must comply with NATIONAL, STATE AND LOCAL CODES

IMPORTANT — This Document is **customer property** and is to remain with this unit. Please return to service information pack upon completion of work.

SINGLE POWER ENTRY KIT	HEATER MODEL	UNIT MODEL
BAYSPEK060F	BAYHTRV105E	2WC*3024-048A1; 4WC*3018-036A1; 4TC*3018-048A1; 4TCY4024-060A1; 4WCY4024-036A1; 4WCZ6036A1
BATOFEROOOI	BAYHTRV108E	2WC*3024-030A1; 4WC*3018-024A1; 4TC*3018-048A1; 4TCY4024-060A1; 4WCY4024A1
	BAYHTRV110E	4TC*3024-048A1; 4TCY4024-036A1
	BAYHTRV305E	4WC*3036-060A3; 4TC*3036-060A3; 4TCY4036-060A3; 4WCY4036-060A3; 4WCZ6036-060A3
	BAYHTRV308E	4WC*3036-060A3; 4TC*3036-060A3; 4TCY4036-060A3; 4WCY4036-060A3; 4WCZ6036-060A3
	BAYHTRV310E	4WC*3036-048A3; 4TC*3036-060A3; 4TCY4036-060A3; 4WCY4036-048A3; 4WCZ6036-048A3
	BAYHTRV315E	4TC*3036-060A3; 4TCY4036-060A3
BAYSPEK061E	BAYHTRV405E	4WC*3036-060A4; 4TC*3036-060A4; 4WCZ6036-060A4
	BAYHTRV408E	4WC*3036-060A4; 4TC*3036-060A4; 4WCZ6036-060A4
	BAYHTRV410E	4WC*3036-060A4; 4TC*3036-060A4; 4WCZ6036-060A4
	BAYHTRV415E	4WC*3036-060A4; 4TC*3036-060A4; 4WCZ6036-060A4
	BAYHTRV420E	4WC*3048-060A4; 4TC*3048-060A4; 4WCZ6048-060A4
	BAYHTRV105E	4WC*3042-060A1; 2WC*3060A1; 4TC*3060A1; 4WCY4042-060A1; 4WCZ6048-060A1
BAYSPEK062F	BAYHTRV108E	4TC*3060A1; 2WC*3036-060A1; 4WC*3030-060A1; 4WCY4030-060A1; 4WCZ6036-060A1
BAYSPEKU02F	BAYHTRV110E	2WC*3024-060A1; 4WC*3024-060A1; 4TC*3060A1; 4TCY4042-060A1; 4WCY4024-060A1; 4WCZ6036-060A1
DAVODEKOGOE	BAYHTRV115E	2WC*3030-060A1; 4WC*3030-060A1; 4TC*3030-060A1; 4TCY4030-060A1; 4WCY4030-060A1; 4WCZ6036-060A1
BAYSPEK063F	BAYHTRV120E	2WC*3048-060A1; 4WC*3042-060A1; 4TC*3048-060A1; 4TCY4048-060A1; 4WCY4042-060A1; 4WCZ6042-060A1
	BAYHTRV315E	4WC*3036-060A3; 4WCY4036-060A3; 4WCZ6036-060A3
BAYSPEK064E	BAYHTRV320E	4WC*3048-060A3; 4TC*3048-060A3; 4TCY4048-060A3; 4WCY4048A-060A3; 4WCZ6048-060A3
BAYSPEK065E	BAYHTRV310E	4WC*3060A3; 4WCY4060A3; 4WCZ6060A3

Table 1. Used with Heater and Unit Models

General

Follow these instructions to install the Single-point Power Entry Kit (SPEK) in single package units described in Table 1 on page 1.

- 1. Check for any shipping damage, and if any, report it to the carrier immediately.
- 2. Check the single power entry kit nameplate and compare with Table 1 on page 1. Make certain that the available power supply complies with the particular single power entry kit, heater, and unit model being used.
- 3. The field electrical connections and wiring must be done in accordance with the "National Electrical Code" and must comply with local electrical codes.

WARNING

Electrical Shock Hazard! To prevent injury oR death due to electrical shock or contact with moving parts, lock unit disconnect switch in open position before servicing unit.

Install Single Power Entry Kit

- 1. Remove the Control/Heat access panel.
- 2. Open the louvered Heater Control box door and mount the SPEK inside of the Heater Control box. Secure the SPEK with the screws provided in the kit. See pages 7,8,9,10 for illustrations and wiring diagrams.
- 3. Insert the included grommet in the hole in the Heater Control box base that leads to the unit Control/Heater compartment. The unit power wires provided with the SPEK will pass through this grommet and be routed up to the unit contactor.
- 4. Make all electrical connections to the unit and heater in accordance with the appropriate wiring diagram in this instruction and included with the specific SPEK.
- 5. Place the included SPEK wiring diagram on the inner surface of the Control/Heater access panel next to the unit wiring diagram and extra heater wiring diagram.

IMPORTANT: The two (2) nameplate labels included with the single power entry kit must be attached to the air conditioning unit or heat pump unit as illustrated below.

The smaller label **MUST** be placed over the unit rating nameplate to cover the unit only MIN CKT AMPS and Fuse/Circuit Breaker Size.

The "single power entry installed" nameplate **MUST** be placed over the "heater installed" nameplate.

Check the appropriate kit, heaters and unit combination using the table on page 1.

High Voltage Field Wiring

NOTE: All field wire to be rated 75°C minimum. Maximum field wire size is 2/0 AWG.

- 1. Check to make certain the proper size fuses are installed per the fuse table (located on the wiring diagram) and Tables 2 (page 3), 3 (page 3), and 4 (page 4) for the particular SPEK being used.
- 2. Remove the required electrical knockout from the unit conduit panel and route the field wires through the unit heater section (not the Control Box section).
- 3. Connect the power supply to the terminal block or fuse block (depending on SPEK kit being used) on the SPEK. See appropriate wiring diagram for hookup connections. Connect the power supply ground wire to the ground lug on the single power entry kit. The BAYSPEK060E and 061E wire terminals connect to the installed heater terminal block on the Heater Control box base to power the unit.
- 4. Close the Heater/SPEK control box cover.
- 5. Reinstall the Control/Heat access panel.
- 6. Apply power to unit.

Low Voltage Wiring (24 Volts)

All low voltage connections have been made to the heater via polarized plugs. The low voltage controls are connected to the room thermostat from the air conditioner or heat pump low voltage leads. See the field wiring diagram with the unit.

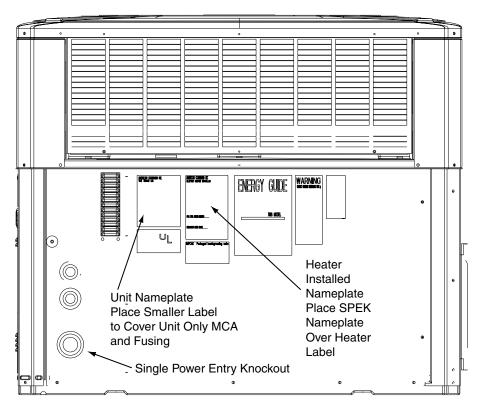


Figure 1. Single Point Power Entry Kit Label Positions

Table 2. BAYSPEK060F Ampacity and Max Fusing/Circuit Breakers

SINGLE POWER ENTRY KIT	HEATER MODEL	C H E C K	UNIT MODEL	MIN CKT. AMP.	MAX OVE CURREN PROTEC DEVICE
			4TC * 30 8A	27	30
			4TC * 3024A1	28	30
		П	4TC * 3030AI	29	35
			4TC * 3036AI	30	35
			4TC * 3042AI	29	45
			4TC * 3048AI	3	50
			4TCY4024A1	3	35
			4TCY4030AI	31	35
			4TCY4036AI	31	40
			4TCY4036BI	3 I	40
			4TCY4042AI	35	50
			4TCY4042BI	35	50
			4TCY4048AI	35	50
			4TCY4048BI	35	50
	BAYHTRV105E		4TCY4060AI	42	60
	B	Ш	2WC * 3024AI	39	40
			2WC * 3030AI	43	45
		Ш	2WC * 3036 A I	50	60
		Ш	2WC * 3042AI	51	60
		Ш	2WC * 3048AI	55	60
		Ш	4WC * 30 8A	37	40
			4WC * 3024A I	42	45
			4WC * 3024B1	40	40
			4WC * 3030AI	45	50
		Ш	4WC * 3036 A I	52	60
		Ш	4WCY4024AI	42	45
			4WCY4030AI	45	50
			4WCY4036AI	51	60
		Ш	4WCY4036BI	51	60
BAYSPEKO60F			4WC Z 6 0 3 6 A I	52	60
		\vdash	4TC * 30 8A	43	45
			4TC * 3024AI	43	45
		\vdash	4TC * 3030AI	44	45
		\vdash	4TC * 3036AI	45	45
		\vdash	4TC * 30 42 A I	45	45
		\vdash	4TC * 30 48 A I	47	50
		\vdash	4TCY4024A1	47	50
	BAYHTRV I 08E	\vdash	4TCY4030AI 4TCY4036AI	47	50
		\vdash		47	50
		\vdash	4TCY4036B1	47	50
			4TCY4042AI 4TCY4042BI	50	60
		\vdash	4TCY4048A1	50	60
		\vdash	4TCY4048B1	50	50
		\vdash	4TCY4060AI	50	60
		\vdash	2WC * 3024A1	54	60
		\vdash	2WC * 3030A1	59	60
		\vdash	4WC * 30 8A	52	60
		\vdash	4WC * 30 2 4 A I	58	60
		\vdash	4WC * 3024B1	55	60
		\Box	4WCY4024AI	58	60
ļ		\top	4TC * 3024A1	54	60
		\sqcap	4TC * 3030AI	55	60
	BAYHTRVIIOE	П	4TC * 3036AI	56	60
		П	4TC * 30 42 A I	55	60
			4TC * 30 48 A I	57	60
			4TCY4024A1	58	60
		П	4TCY4030AI	58	60
			4TCY4036A1	58	60
			4TCY4036B1	58	60

INSTALLER OF THE SINGLE POWER ENTRY KIT MUST CHECK THE APPROPRIATE
BOX ABOVE TO RECORD THE KIT, HEATER AND UNIT MODEL NUMBERS INSTALLED.
POWER SUPPLY VOLTAGE TO UNIT AND HEATER MUST BE IDENTICAL. CHECK THE
UNIT AND HEATER NAMEPLATES TO DETERMINE THE CORRECT POWER SUPPLY VOLTAGE.
CHECK HEATER NAMEPLATE TO DETERMINE HEATER KW AND CURRENT RATING.
MINIMUM INSTALLATION CLEARANCE TO COMBUSTIBLE MATERIAL WHEN ELECTRIC
HEATERS ARE INSTALLED: UNIT CABINET-0°, PLENUM-0° AND OUTLET DUCT-0°.

INDICATES AN ALPHA CHARACTER IN THE FOURTH DIGIT OF THE UNIT MODEL.

PLACE ABOVE LABEL OVER "ELECTRIC HEATER INSTALLED" NAMEPLATE ON UNIT

D932299P04

Table 3. BAYSPEK061E Ampacity and Max Fusing/Circuit Breakers

SINGLE POWER ENTRY KIT	HEATER MODEL	UNIT MODEL	MIN CKT. AMP.	MAX OVER CURRENT PROTECT DEVICE
		4TC * 3036A3	18	30
		4TC * 3048A3	24	35
		4TC*3060A3	32	45
		4TCY4036A3	20	30
		4TCY4048A3	26	40
		4TCY4060A3	31	45
		4WC * 3036 A 3	33	40
	BAYHTRV305E	4WC * 3048A3	39	50
		4WC * 3060A3	47	60
		4WCY4036A3	35	40
		4WCY4048A3	41	50
		4WCY4060A3	46	60
		4WCZ6036A3	34	40
		4WCZ6048A3	40	50
		4WCZ6060A3	45	60
-		4TC*3036A3	27	30
	-	4TC*3048A3	29	35
BAYSPEKO61E		4TC*3060A3	34	45
BATSTEROOTE		4TCY4036A3	29	30
	_	4TCY4048A3	33	40
	_	4TCY4060A3	33	45
	-	4WC * 3036 A3	42	45
	BAYUTDYSSS	4WC * 30 48 A 3	42	50
	BAYHTRV308E		56	
		4WC * 3060A3		60
		4WCY4036A3	44	50
		4WCY4048A3	50	60
		4WCY4060A3	55	60
		4WCZ6036A3	43	45
		4WCZ6048A3	49	50
_		4WCZ6060A3	54	60
		4TC * 3036A3	33	35
	BAYHTRV310E	4TC * 3048A3	35	35
		4TC * 3060A3	40	45
		4TCY4036A3	35	35
		4TCY4048A3	39	40
		4TCY4060A3	39	45
		4WC * 3036A3	48	50
		4WC * 3048A3	54	60
		4WCY4036A3	50	50
		4WCY4048A3	56	60
		4WCZ6036A3	49	50
		4WCZ6048A3	55	60
		4TC * 3036A3	48	50
		4TC*3048A3	50	50
	BAYHTRV315E	4TC * 3060A3	5.5	60
		4TCY4036A3	50	50
		4TCY4048A3 4TCY4060A3	54	60

SINGLE POWER ENTRY KIT	HEATER MODEL	UNIT MODEL	MIN CKT. AMP.	MAX OVER CURRENT PROTECT DEVICE
		4TC * 3036A4	10	15
		4TC * 3048A4	12	15
		4TC * 3060A4	20	2.5
		4WC * 3036A4	16	20
	BAYHTRV405E	4WC * 3048A4	19	2.5
		4WC * 3060A4	27	30
		4WCZ6036A4	18	20
		4WCZ6048A4	23	25
		4WCZ6060A4	27	30
		4TC * 3036A4	14	15
		4TC * 3048A4	15	15
		4TC * 3060A4	22	25
		4WC * 3036 A 4	21	25
	BAYHTRV408E	4WC * 3048A4	24	25
		4WC * 3060A4	32	35
		4WCZ6036A4	22	25
		4WCZ6048A4	27	30
		4WCZ6060A4	3 I	35
		4TC * 3036A4	17	20
BAYSPEK061E	BAYHTRV410E	4TC * 3048A4	18	20
DAISPERUOIE		4TC * 3060A4	25	25
		4WC * 3036A4	2 4	2.5
		4WC * 30 48 A 4	27	30
		4WC * 3060A4	35	40
		4WCZ6036A4	25	25
		4WCZ6048A4	30	30
		4WCZ6060A4	34	40
	BAYHTRV415E	4TC * 3036A4	25	2.5
		4TC * 3048A4	25	25
		4TC * 3060A4	32	35
		4WC * 3036A4	31	35
		4WC * 3048A4	34	35
		4WC * 3060A4	42	45
		4WCZ6036A4	33	35
		4WCZ6048A4	38	40
		4WCZ6060A4	42	45
	BAYHTRV420E	4TC * 3048A4	33	35
		4TC * 3060A4	40	40
		4WC * 3048A4	42	45
		4WC * 3060A4	50	50
		4WCZ6048A4	45	45
		4WCZ6060A4	49	50

INSTALLER OF THE SINGLE POWER ENTRY KIT MUST CHECK THE APPROPRIATE
BOX ABOVE TO RECORD THE KIT, HEATER AND UNIT MODEL NUMBERS INSTALLED.
POWER SUPPLY VOLTAGE TO UNIT AND HEATER MUST BE IDENTICAL. CHECK THE
UNIT AND HEATER NAMEPLATES TO DETERMINE THE CORRECT POWER SUPPLY VOLTAGE.
CHECK HEATER NAMEPLATES TO DETERMINE HEATER KW AND CURRENT RATING.
MINIMUM INSTALLATION CLEARANCE TO COMBUSTIBLE MATERIAL WHEN ELECTRIC
HEATERS ARE INSTALLED: UNIT CABINET-0°, PLENUM-0° AND OUTLET DUCT-0°
EXCEPT FOR BAYHTRV415E AND BAYHTRV425E WHEN INSTALLED HA TWENCE OF THE MENT ONLY. MINIMUM INSTALLATION CLEARANCE TO COMBUSTBLE MATERIAL WHEN
BAYHTRV415E AND BAYHTRV425E ARE INSTALLED IN 4WCZ6060A4 UNIT
ONLY. MINIMUM INSTALLATION CLEARANCE TO COMBUSTBLE MATERIAL WHEN
BAYHTRV415E AND BAYHTRV425E ARE INSTALLED IN 4WCZ6060A4 UNIT ONLY: UNIT
CABINET - I", PLENUM -1" AND OUTLET DUCT - "."

* INDICATES AN ALPHA CHARACTER IN THE FOURTH DIGIT OF THE UNIT MODEL.

PLACE ABOVE LABEL OVER "ELECTRIC HEATER INSTALLED" NAMEPLATE ON UNIT D932299P02

PAGE 4 Pub. No. 18-HB20D5-7

Table 4. BAYSPEK062F,63F,64E & 65E Ampacity and Max Fusing/Circuit Breakers

		С			T
SINGLE POWER	HEATER	H	UNIT	MIN	MAX OVER CURRENT
ENTRY	MODEL	E	MODEL	CKT. AMP.	PROTECT
NII		Ř			DEVICE
			4TC * 3060AI	4 4	70
			2WC * 3060A I	67	80
		\vdash	4WC * 3042A I	58 57	70
			4WC * 3040A1	70	90
	DAVILLOSE		4WCY4042AI	58	70
	BAYHTRV105E		4WCY4048AI	60	70
			4WCY4048BI	62	70
			4WCY4060AI	68	90
			4WC 7 6 0 4 8 A I	66	70
			4WC Z 6 0 4 8 A I 4WC Z 6 0 6 0 A I	60	80
			4TC * 3060A1	51	70
			2WC * 3036AI	66	70
		Ш	2WC * 3042AI	66	70
			2WC * 30 48 A I	70	80
			2WC * 3060A I 4WC * 3030A I	82 61	70
		\vdash	4WC * 3036A1	67	70
			4WC * 30 42 A I	73	80
			4WC * 30 48 A I	73	80
			4WC * 3060AI	85	100
	BAYHTRV108E		4WCY4030AI	61	70
			4WCY4036AI	66	70
		\vdash	4WCY4036BI	66	70
		\vdash	4WCY4042AI 4WCY4048AI	73	80
			4WCY4048BI	77	90
			4WCY4060AI	84	100
			4WCY4060BI	82	90
			4WCZ6036AI	68	70
BAYSPEK062F			4WCZ6048AI	76	80
-		\perp	4WC Z 6 0 6 0 A I	79	90
			4TC * 3060AI	62	70
	BAYHTRVII0E	\vdash	4TCY4042AI 4TCY4042BI	61	70
			4TCY4048AI	61	70
			4TCY4048BI	61	70
			4TCY4060AI	61	70
			2WC * 3024AI	6.5	70
			2WC * 30 30 A I	69	70
			2WC * 3036 A I	76	80
			2WC * 3042A I 2WC * 3048A I	77	90
			2WC * 3060A1	93	100
			4WC * 3024A1	68	70
			4WC * 3024BI	66	70
			4WC * 3030 A I	7	80
			4WC * 3036 A I	78	80
		Ш	4WC * 30 42 A I	84	90
		\vdash	4WC * 30 48 A I	83	90
		\vdash	4WC * 3060A I 4WC Y 4024A I	96	70
		\vdash	4WCY4030AI	71	80
			4WCY4036AI	77	80
			4WCY4036BI	77	80
			4WCY4042AI	84	90
			4WCY4048AI	86	90
		Ш	4WCY4048BI	88	90
		\vdash	4WCY4060AI	94	110
		\vdash	4WC 7 6 0 3 6 A 1	92	100
		\vdash	4WC Z 6 0 3 6 A I	78	80
		\vdash	4WC Z 6 0 4 8 A I 4WC Z 6 0 6 0 A I	86 89	90
		-	4 HC Z O O O O A I	1 07	1 100

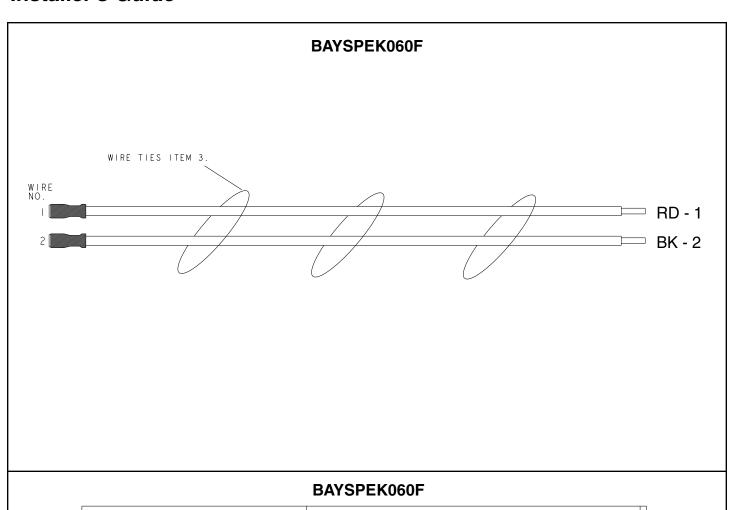
		4TC * 3030AI	81	90
		4TC * 3036AI	82	90
		4TC * 30 42 A I	81	90
		4TC * 30 48 A I	83	90
		4TC * 3060A1	88	90
		4TCY4030A1	84	90
		4TCY4036A1	84	90
		4TCY4036B1	84	90
				
		4TCY4042AI	87	90
		4TCY4042B1	87	90
		4TCY4048AI	87	90
		4TCY4048B1	87	90
		4TCY4060A1	87	90
		2WC * 3030AI	9.5	100
		2WC * 3036 A I	102	110
		2WC * 30 4 2 A I	103	110
		2WC * 3048AI	107	110
	BAYHTRVII5E	2WC * 3060A1	119	125
		4WC * 3030A I	97	100
		4WC * 3036 A I	104	110
		4WC * 3042AI	110	110
		4WC * 3048AI	109	110
		4WC * 3060A1	122	125
	İ			
		4WCY4030A1	97	100
		4WCY4036A1	103	110
		4WCY4036BI	103	110
BAYSPEK063F		4WCY4042AI	110	110
		4WCY4048AI	112	125
		4WCY4048B1	114	125
		4WCY4060AI	120	125
		4WCY4060BI	118	125
		4WCZ6036AI	104	110
		4WCZ6048A1	112	125
		4WCZ6060AI	115	125
		4TC * 30 48 A I	109	110
		4TC * 3060AI	114	125
		4TCY4042AI	113	125
		4TCY4042B1	113	125
		4TCY4048A1	113	125
		4TCY4048BI	113	125
		4TCY4060AI	113	125
		2WC * 3048AI	133	150
		2WC * 3060AI	145	150
	BAYHTDVIONE	4WC * 30 42 A I	136	150
	BAYHTRV120E		135	150
		4WC * 30 48 A I		
		4WC * 3060AI	148	150
		4WCY4042AI	136	150
		4WCY4048AI	138	150
		4WCY4048BI	140	150
		4WCY4060AI	146	150
		4WCY4060BI	144	150
		4WCZ6048AI	138	150
		4WCZ6060AI	141	150
		4WC * 3036A3	63	70
		4WC * 3048A3	6.9	70
		4WC * 3060A3	11	80
		4WCY4036A3	6.5	70
	BAYHTRV315E	4WCY4048A3	7 1	80
		4WCY4060A3	76	80
		4WCZ6036A3	6.4	70
		4WCZ6048A3	70	70
		4WCZ6060A3	7.5	80
BAYSPEK064E		4TC * 3048A3	6.5	70
		4TC * 3060A3	70	70
	BAYHTRV320E	4TCY4048A3	6.9	70
		4TCY4060A3	69	70
		4WC * 30 48 A 3	84	90
		4WC * 3060A3	92	100
		4WCY4048A3	86	90
		4WCY4060A3	91	100
		4WCZ6048A3	85	90
		4WCZ6060A3	90	90
BAYSPEK065E		4WC * 3060A3	62	70
	BAYHTRV310E	4WCY4060A3	61	70
		4WCZ6060A3	60	70
INCTAL: 50.05	THE CINCLE DOWER 5::-			
I INSTALLER OF	INC SINGLE POWER END	RY KIT MUST CHECK THE ER AND UNIT MODEL NO	. APPROPRIA IMBERS INST	ALLED.

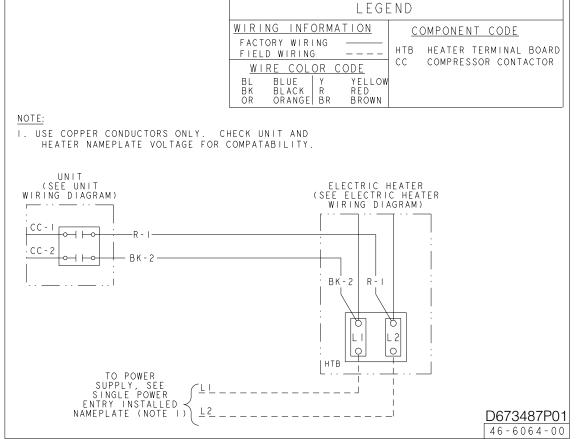
INSTALLER OF THE SINGLE POWER ENTRY KIT MUST CHECK THE APPROPRIATE
BOX ABOVE TO RECORD THE KIT, HEATER AND UNIT MODEL NUMBERS INSTALLED.
POWER SUPPLY VOLTAGE TO UNIT AND HEATER MUST BE IDENTICAL. CHECK THE
UNIT AND HEATER NAMEPLATES TO DETERMINE THE CORRECT POWER SUPPLY VOLTAGE.
CHECK HEATER NAMEPLATE TO DETERMINE HEATER KW AND CURRENT RATING.
MINIMUM INSTALLATION CLEARANCE TO COMBUSTIBLE MATERIAL WHEN ELECTRIC
HEATERS ARE INSTALLED: UNIT CABINET-0", PLENUM-0" AND OUTLET DUCT-0".

INDICATES AN ALPHA CHARACTER IN THE FOURTH DIGIT OF THE UNIT MODEL.

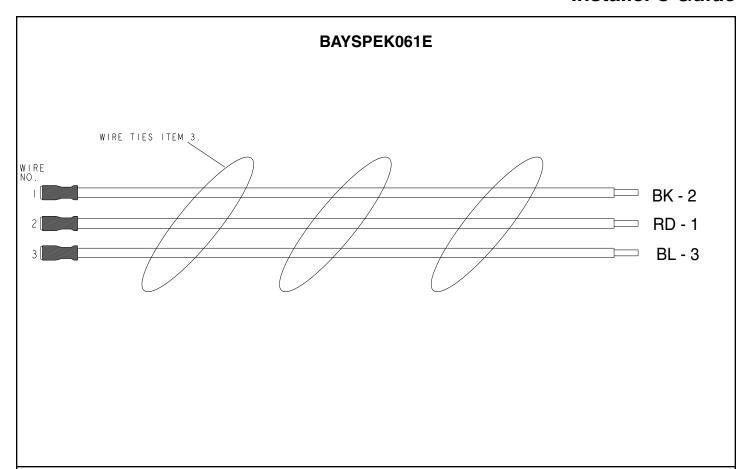
PLACE ABOVE LABEL OVER "ELECTRIC HEATER INSTALLED" NAMEPLATE ON UNIT

D932299P05

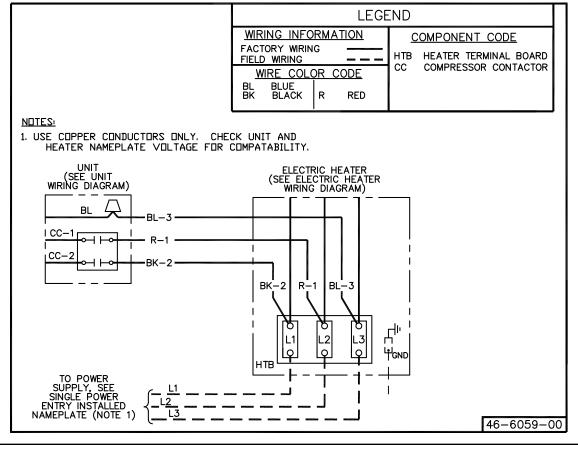


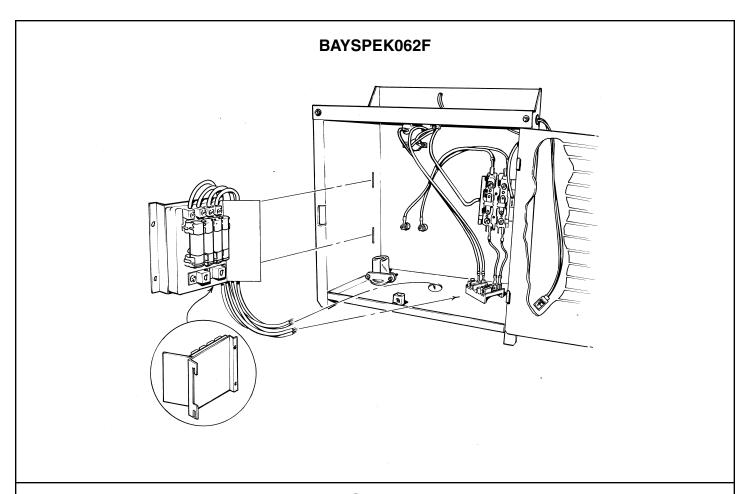


PAGE 6 Pub. No. 18-HB20D5-7

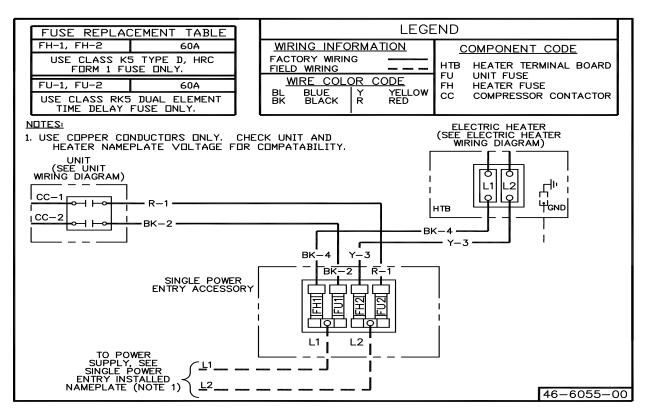


BAYSPEK061E

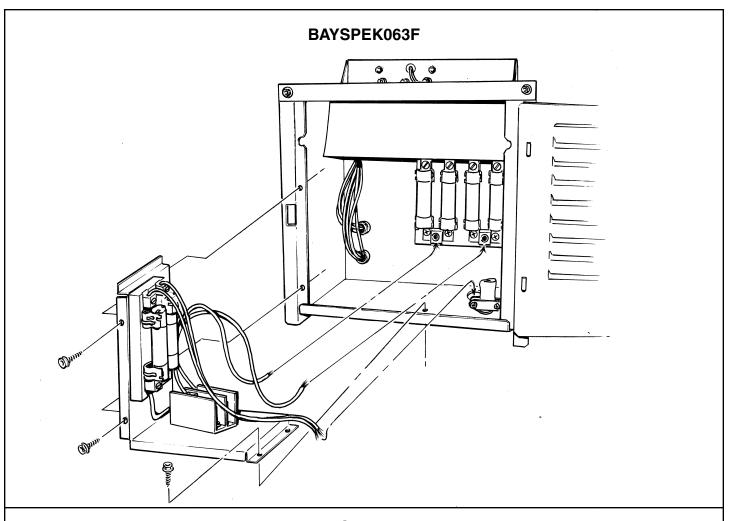


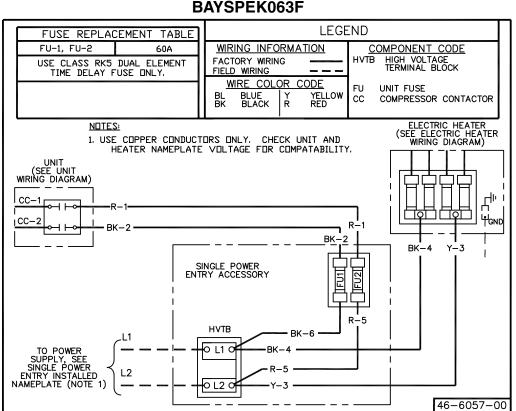


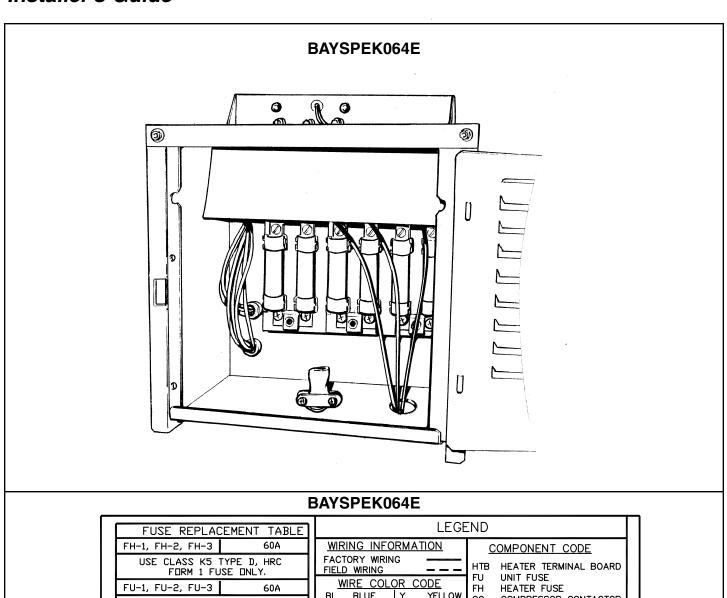


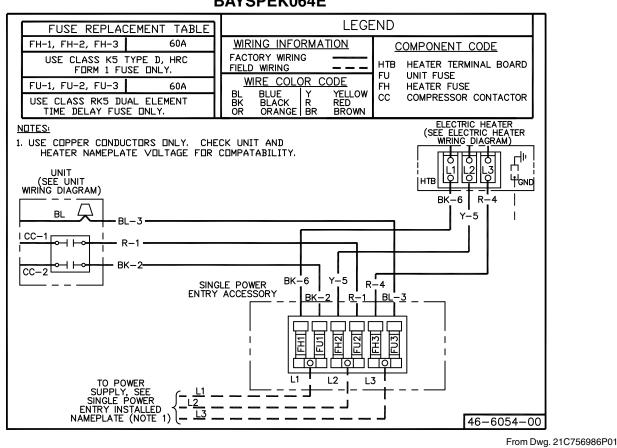


PAGE 8 Pub. No. 18-HB20D5-7









PAGE 10 Pub. No. 18-HB20D5-7

