DIAGRAM SELECTION

Diagrams are provided for both single- and three-phase circuits, and are readily identified in the Selection Table on the following page. The Selection Chart enables easy selection of the correct wiring diagram after the electrical components of the unit heater have been determined. The control codes are listed to aid in locating the correct diagram.

DIAGRAM INTERCHANGEABILITY

The following Model GHG gas-fired unit heater wiring diagrams are for either 230-volt, 60 Hertz, single-phase power, or for 460-volt, 60 Hertz, three-phase electrical service.

The 220V / 60Hz / 3w diagrams may also be utilized for 115V / 60Hz / 1w by substituting 115-volt components for the 230-volt shown.

The 460V / 60Hz / 3s diagrams may be converted to 208V / 60Hz / 3s by substituting a 208V / 115V transformer for the 460V / 115V model shown.

The 460V / 60Hz / 3s diagrams may be modified to 230V / 60Hz / 3s by reconnecting the primary of the 460V / 115V transformer as shown or by substituting 230-volt components for the 115-volt shown and supplying 230V / 60Hz / 1w power to the control system and accessories.

NOTE: As indicated in every diagram, all wiring must comply with the National Electrical Code and all local codes. All components must agree with their respective power source.

POWER REQUIREMENTS – “FLORA-GUARD” GAS-FIRED UNITS

<table>
<thead>
<tr>
<th>Motor Voltage</th>
<th>115V/60/1</th>
<th>230V/60/1</th>
<th>208V/60/3</th>
<th>230/60/3</th>
<th>460/60/3</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Model</td>
<td>Full Load Amperes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GHG-240</td>
<td>8.8</td>
<td>4.4</td>
<td>3.4</td>
<td>3.1</td>
<td>1.55</td>
</tr>
<tr>
<td>GHG-250</td>
<td>8.8</td>
<td>4.4</td>
<td>3.4</td>
<td>3.1</td>
<td>1.55</td>
</tr>
<tr>
<td>GHG-400</td>
<td>8.8</td>
<td>4.4</td>
<td>3.4</td>
<td>3.1</td>
<td>1.55</td>
</tr>
</tbody>
</table>

ABBREVIATIONS AND SYMBOLS

To facilitate interpretation and enable simplification the abbreviations and symbols have been selected as recommended by ANSI (American National Standards Institute) and NEMA (National Electrical Manufacturers Association) standards.

- XFRM or TR: Transformer
- V: Volts
- H: Cycle or Hertz
- LC: Limit Control
- TH: Thermostat
- MV: Main Valve
- PV: Pilot Valve
- SO: Shut Off
- RC: Relay Contact or Coil
- G: Ground
- H: Hot
- SW: Switch
- EPS: Electric Pilot Switch
- HI: High
- Lo: Low
- C: Common
- "J" Box: Junction Box
- H1, H2, etc: Transformer Primary Terminals
- SUM: Summer Contact (Summer-Winter Switch)
- WIN: Winter Contact (Summer-Winter Switch)
- S-W: Summer-Winter Switch
- O.L.C: Overload Contact
- C.S: Power Venter Centrifugal Switch
- FT: Fan Timer Contact
- SPDT: Single-Pole Double-Throw Switch
- VA: Volt Ampere
- W: Watts

WIRE COLOR CODING

- BK: Black
- BU: Blue
- R: Red
- W: White
- Y: Yellow
- X1, X2, etc: Transformer Secondary Terminals
- L1, L2, etc: Electric Load Terminals
- T1, T2, etc: Starter or Motor Terminals

MODINE MANUFACTURING COMPANY • 1500 DE KOVEN AVENUE, RACINE, WISCONSIN 53401

Litho in U.S.A.
WIRING DIAGRAM SELECTION

A. Field and Submittal Wiring Diagram Selection

Wiring in the field changes little when the controls furnished on the unit heater change. To select correct wiring diagram:

1. Determine unit heater model and size.
2. Select desired control code option from Table 1.
3. Locate unit heater model and size in the Page Location Index and match with the correct control code number and determine the correct page number for single or three-phase control. The single-phase wiring diagram page numbers are shown in the unshaded areas of the page location index. The three-phases diagrams are shown in the shaded areas.
4. Wiring diagrams for unit heaters with accessories will have the same page number as the wiring diagram for the appropriate unit heater control code, but are suffixed according to Table 2.

B. Service and Trouble Shooting

Because factory wiring may vary with the control manufacturer, the wiring diagrams must be selected with the series identity number when servicing or trouble shooting unit heater control systems. Wiring diagrams in this bulletin are for GHG unit heaters manufactured after January 1, 1977 and the series identity number is the 5th thru 7th digits of the unit heater serial number.

Example: Serial No. 02021010577 has a series identity number of 101.

To select correct wiring diagram:

1. Determine unit heater model and size from the serial plate located on the rear of the unit.
2. Read Control Code number in box marked Control Code, on serial plate.
3. Determine series identity number from unit heater serial number.
4. Select page number in Page Location Index that corresponds to the series identity number of the unit heater, then proceed with steps 3 and 4 of Field and Submittal Wiring Diagram Selection.

EXAMPLE SELECTION

Select correct single-phase wiring diagram for a GHG-400 with Control Code 28 and having a series identity number of 101.

The Page Location Index shows the page numbers for units having a series identity number of 101. Follow down the column for a GHG-400 until it intersects with the line for control code 28. The wiring diagram for this unit is found on page 7, in the unshaded area for single-phase diagrams. If this example unit also had a power venter, the wiring diagram would be found on page 7a as determined from Table 2.

TWO-IN-ONE DIAGRAMS

Two wiring diagrams are furnished for each circuit configuration in this manual. Included are a connection diagram at the left for field installation and a circuit schematic at the right to aid in continuity and trouble shooting.

The heavier lines in the connection diagram indicate line voltage; the lighter lines are for low voltage. Solid lines show pre-wiring performed at the factory; dotted lines inform the installer of connections required to put the heater in operation.

### TABLE 1 – CONTROL CODE DESCRIPTIONS

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>08, 09</td>
<td>Intermittent Pilot Ignition, Non-100% Shut-Off, low voltage thermostat, Natural Gas.</td>
</tr>
<tr>
<td>11, 12</td>
<td>Standing Pilot, 100% Shut-Off, low voltage thermostat, Natural Gas.</td>
</tr>
<tr>
<td>28, 29</td>
<td>Intermittent Pilot Ignition, 100% Shut-Off, low voltage thermostat, Natural Gas.</td>
</tr>
<tr>
<td>78, 79</td>
<td>Intermittent Pilot Ignition, 100% Shut-Off, low voltage thermostat, Propane Gas.</td>
</tr>
<tr>
<td>81, 82</td>
<td>Standing Pilot, 100% Shut-Off, low voltage thermostat, Propane Gas.</td>
</tr>
</tbody>
</table>

### TABLE 2 – ACCESSORY SUFFIX

<table>
<thead>
<tr>
<th>Page Suffix</th>
<th>Accessory</th>
</tr>
</thead>
<tbody>
<tr>
<td>a</td>
<td>Power Venter</td>
</tr>
</tbody>
</table>

### TABLE 3 / PAGE LOCATION INDEXES

<table>
<thead>
<tr>
<th>SERIES IDENTITY NO. 101</th>
<th>SERIES IDENTITY NO. 102</th>
<th>SERIES IDENTITY NO. 103</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Control Code</strong></td>
<td><strong>GHG 240</strong></td>
<td><strong>GHG 250</strong></td>
</tr>
<tr>
<td>08, 09</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>11, 12</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>28, 29</td>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>78, 79</td>
<td>13</td>
<td>10</td>
</tr>
<tr>
<td>81, 82</td>
<td>3</td>
<td>3</td>
</tr>
</tbody>
</table>

*Units no longer being manufactured with these control system configurations.*
<table>
<thead>
<tr>
<th>SERIES IDENTITY NO. 104</th>
<th>SERIES IDENTITY NO. 105</th>
<th>SERIES IDENTITY NO. 106</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Control Code</strong></td>
<td><strong>GHG 240</strong></td>
<td><strong>GHG 400</strong></td>
</tr>
<tr>
<td>08, 09</td>
<td>19</td>
<td>20</td>
</tr>
<tr>
<td>11, 12</td>
<td>21</td>
<td>22</td>
</tr>
<tr>
<td>28, 29</td>
<td>23</td>
<td>24</td>
</tr>
<tr>
<td>78, 79</td>
<td>23</td>
<td>24</td>
</tr>
<tr>
<td>81, 82</td>
<td>21</td>
<td>22</td>
</tr>
</tbody>
</table>
MODINE 10-410 WIRING DIAGRAM MODEL GHG

WIRING LEGEND
LINE LOW FACTORY FIELD WIRE NUT

CAUTION
FAILURE TO WIRE THIS UNIT ACCORDING TO THIS WIRING DIAGRAM MAY RESULT IN INJURY TO THE INSTALLER OR USER.
FOR DEVIATIONS CONTACT THE FACTORY.

230V/60 HZ/1 Ø POWER SHOWN
H(BK)(W)
FUSED DISCONNECT SWITCH (BY OTHERS) 2ND FUSE & SWITCH REQD. FOR 230V AND 200V ONLY

 Note to Installer:
ATTACH THIS DIAGRAM NEAR HEATER.
ALL WIRING MUST COMPLY WITH NATIONAL ELECTRIC CODE AND ALL LOCAL CODES.

25V XFMTR.
*25V XFMTR. PRIMARY XFMTR. WIRES 115V/60 HZ/1Ø = 25V
200V/60Hz/1Ø = 50V R WIRE NUT THE WIRE NOT USED

FUSE DISCONNECT (BY OTHERS) 2ND FUSE & SWITCH REQD. FOR 230V AND 200V ONLY

8H8490B400 — Single-phase, standing pilot, 100% shut-off, low-voltage thermostat, low-voltage controlled power venter.
CAUTION
FAILURE TO WIRE THIS UNIT ACCORDING TO THIS WIRING DIAGRAM MAY RESULT IN INJURY TO THE INSTALLER OR USER. FOR DEVIATIONS CONTACT THE FACTORY.

ALL WIRING MUST COMPLY WITH NATIONAL ELECTRIC CODE AND ALL LOCAL CODES. ALL COMPONENTS MUST AGREE WITH THEIR RESPECTIVE POWER SOURCE. USE 102°C WIRE FOR REPLACEMENT.

TRANSFORMER NOT REQUIRED WITH 230V/30 POWER SUPPLY AND 230V/25V CONTROL TRANSFORMER.

3-Phase, Intermittent pilot ignition, non-100% shut-off, low-voltage thermostat.

5H70098B5 (Rev. D)
FAILURE TO WIRE THIS UNIT ACCORDING TO THIS WIRING DIAGRAM MAY RESULT IN INJURY TO THE INSTALLER OR USER. FOR DEVIATIONS CONTACT THE FACTORY.

ALL WIRING MUST COMPLY WITH NATIONAL ELECTRIC CODE AND ALL LOCAL CODES. ALL COMPONENTS MUST AGREE WITH THEIR RESPECTIVE POWER SOURCE.

USE 105°C WIRE FOR REPLACEMENT.

5H70098B6 — Single-phase, intermittent pilot ignition, 100% shut-off, low-voltage thermostat. (Rev. E)
MODINE 10-410 WIRING DIAGRAM MODEL GHG

CAUTION
FAILURE TO WIRE THIS UNIT ACCORDING TO THIS WIRING DIAGRAM MAY RESULT IN INJURY TO THE INSTALLER OR USER.
FOR DEVIATIONS CONTACT THE FACTORY.

WIRING LEGEND

FACTORY LINE LOW
FIELD WIRE NUT

WITH 230V/60 Hz/28 POWER SUPPLY
RECONNECT TRANSFORMER
PRIMARY AS SHOWN
FOR 230V/115V

TO 230V
10

230 VA XFMR
460V/115V SHOWN
BY OTHERS

2-3 STARTER
BY OTHERS

INLET DAMPER MOTOR
BY OTHERS

TWO STAGE
THERMOSTAT
BY OTHERS

HEATER FAN MOTOR 38

460V/60 Hz/30 POWER SHOWN
FUSED DISCONNECT SWITCH (BY OTHERS)

HEATER FAN STARTER COIL

RELAY CONTACT

115V

EXHAUST FAN
STARTER COIL

RELAY CONTACT

LIGHT CONTROL

115V

V79 LOCKOUT

PILOT VALVE

FLAME PROBE

GROUND

MAIN GAS VALVE

BH4908402 — Three-phase, intermittent pilot ignition, 100% shut-off,
low-voltage thermostat, low-voltage controlled power venter.

NOTES:

1. ALL WIRING MUST COMPLY WITH NATIONAL ELECTRIC
CODE AND ALL LOCAL CODES.

2. ALL COMPONENTS MUST AGREE WITH THEIR RESPECTIVE POWER SOURCES.

3. USE 18/2 INSULATED WIRE FOR REPLACEMENT.

4. TRANSFORMER NOT REQUIRED WITH 230V/28 POWER SUPPLY
AND 230V115V CONTROL TRANSFORMER.

INDICATES PI CONTROLLER TERMINALS
CAUTION FAILURE TO WIRE THIS UNIT ACCORDING TO THIS WIRING DIAGRAM MAY RESULT IN INJURY TO THE INSTALLER OR USER. FOR DEVIATIONS CONTACT THE FACTORY.

FUSED DISCONNECT BY OTHERS (2ND FUSE & SWITCH REO', ON 230V ONLY)

STARTER (BY OTHERS)

EXHAUST FAN MOTOR 18

HEATER FAN MOTOR 18

LIMIT CONTROL

230V/60Hz/10 H (BK) G (W)

FUSED DISCONNECT SWITCH (BY OTHERS)

2ND FUSE & SWITCH REO', FOR 230V, 208V ONLY

OL

HTR

EXHAUST MOTOR 18

HTR STARTER CONTACT

RELAY CONTACT

LIMIT CONTROL

230V

XFMN

25V

2 STAGE THERM

ELECTRONIC NETWORK

FLAME PROBE

INLET DAMPER MOTOR (BY OTHERS)

2STAGE THERM

FLAME DETECT.

IGNITION TRANS.

INLET DAMPER MOTOR (BY OTHERS)

MAIN GAS

VALVE

5H70089B14 — Single-phase, intermittent pilot ignition, 100% shut-off, low-voltage thermostat. (Rev. E)

ALL WIRING MUST COMPLY WITH NATIONAL ELECTRIC CODE AND ALL LOCAL CODES

ALL COMPONENTS MUST AGREE WITH THEIR RESPECTIVE POWER SOURCE

USE 105°C WIRE FOR REPLACEMENT

*ALTERNATE XFMN. PRIMARY XFMN. WIRES 115V/60Hz/10 — BK&W

208V/60Hz/19 — BK&R WIRE NUT THE WIRE NOT USED...
CAUTION
FAILURE TO WIRE THIS UNIT ACCORDING
TO THIS WIRING DIAGRAM MAY RESULT
IN INJURY TO THE INSTALLER OR USER.
FOR DEVIATIONS CONTACT THE FACTORY.

WIRING LEGEND
FACTORY LINE LOW
WIRE NUT

FUSED DISCONNECT
BY OTHERS (2ND
FUSE & SWITCH REQD.
ON 230V ONLY)

RELAY
BY OTHERS

TWO STAGE
THERMOSTAT
BY OTHERS

INLET
DAMPER
MOTOR
BY OTHERS

EXHAUST
FAN MOTOR 18

HEATER
FAN MOTOR 10

LIMIT CONTROL

STARTER
BY OTHERS

OL
HTR

EXHAUST
FAN MOTOR 10

STARTER CONTACT

RELAY CONTACT

LIMIT CONTROL

EXHAUST
FAN STARTER
COIL

230V

OL CONTACT

HEATER
FAN MOTOR 10

V79
LOCKOUT
THS

PILOT
VALVE

G60
CONTROLLER

Y-BOX
ON HEATER

2 STAGE
THERM

FLAME PROBE

SPARK

MAIN GAS VALVE

THI

*ALTERNATE XFM R
PRIMARY XFM R WIRE WIRE
175V/60Hz/10 - BK&W
200V/60Hz/10 - BK&R
WIRE NUT THE WIRE NOT USED

G60

*ALTERNATE XFM R
PRIMARY XFM R WIRE WIRE
175V/60Hz/10 - BK&W
200V/60Hz/10 - BK&R
WIRE NUT THE WIRE NOT USED

5H70009815 - Single-phase, intermittent pilot ignition, 100% shut-off,
low-voltage thermostat. (Rev. B)

INDICATES PI CONTROLLER TERMINALS
CHOICE OF WIRING DIAGRAM MODEL GHG

With 230V/60 Hz/30 POWER SUPPLY
Reconnect Transformer
Primary as shown
For 230V/115V Control Code 68

460V/60 Hz/30 Power Shown
Fused Disconnect Switch (by Others)

Transformer Not Required With 230V/36
Power Supply and 230V/25V Control Transformer

5H7008B 16 – Three-phase, intermittent pilot ignition, 100% shut-off, low-voltage thermostat. (Rev. B)
CAUTION
FAILURE TO WIRE THIS UNIT ACCORDING TO THE INSTALLATION INSTRUCTIONS MAY RESULT IN INJURY TO THE INSTALLER OR USER. FOR DEVIATIONS CONTACT THE FACTORY.

WIRING LEGEND

FACTORY LINE FIELD WIRE NUT

FUSED DISCONNECT SWITCH (BY OTHERS)
2ND FUSE & SWITCH REO'D. FOR 230V, 200V ONLY

230V/60Hz/10 HIBK G (W)

HEATER FAN MOTOR 18
EXHAUST FAN MOTOR 19
LIMIT CONTROL

STARTER (BY OTHERS)
RELAY (BY OTHERS)

TWO STAGE THERMOSTAT (BY OTHERS)
INLET DAMPER MOTOR (BY OTHERS)

G50 CONTROLLER

FLAME PROBE

ALL WIRING MUST COMPLY WITH NATIONAL ELECTRIC CODE AND ALL LOCAL CODES
ALL COMPONENTS MUST AGREE WITH THEIR RESPECTIVE POWER SOURCE
USE 105°C WIRE FOR REPLACEMENT

*ALTERNATE XFRM:
PRIMARY W/115V, W/200V/60Hz/10 - BK&R
WIRE NUT THE WIRE NOT USED

5H700888B17 - SINGLE-PHASE, INTERMITTENT PILOT IGNITION, 100% SHUT-OFF, LOW-VOLTAGE THERMOSTAT. (REV. C)
CAUTION
FAILURE TO WIRE THIS UNIT ACCORDING TO THIS WIRING DIAGRAM MAY RESULT IN INJURY TO THE INSTALLER OR USER. FOR DEVIATIONS CONTACT THE FACTORY.

WIRING LEGEND

FACTORY LINE LOW

FUSED DISCONNECT
BY OTHERS
2ND FUSE & SWITCH
REO'D. FOR 230V, 200V ONLY

230V/60Hz/10
H BK L G (W)

2ND FUSE & SWITCH
1 FOR CANADIAN UNITS ONLY.

RELAY
BY OTHERS

RELAY CONTACT

OL
HTR

EXHAUST
FAN
MOV'T

OL
HTR
STARTER CONTACT

3W" BOX

LIMIT CONTROL

"J" BOX

HEATER
FA N
MOV'T

FUSE

IGNITION TRANS

LIMIT CONTROL

2STAGE
THERM

EXHAUST
FAN
MOV'T

EXHAUST
FAN
STARTER CONL

FLAME PROBE

M P RIGHTS

MAIN GAS
VALVE

230V/60Hz/10
BK & Y(OR O)
200V/60Hz/10
BK & R
WIRE NUT THE WIRE NOT USED.

1 FOR CANADIAN UNITS ONLY.

NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.

ALL WIRING MUST COMPLY WITH NATIONAL ELECTRIC CODE AND ALL LOCAL CODES.

ALL COMPONENTS MUST AGREE WITH THEIR RESPECTIVE POWER SOURCE.

USE 105°C WIRE FOR REPLACEMENTS.

*ALTERNATE XFMR.
PRIMARY XFMR WIRINGS
230V/60Hz/10
200V/60Hz/10
1 FOR CANADIAN UNITS ONLY.

5H70089819 – Single-phase, intermittent pilot ignition, non-100% shut-off, low-voltage thermostat

INDICATES PI CONTROLLER TERMINAL

INDICATES TRANSFORMER TERMINAL

1 FOR CANADIAN UNITS ONLY.
NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.

ALL WIRING MUST COMPLY WITH NATIONAL ELECTRIC CODE AND ALL LOCAL CODES.

ALL COMPONENTS MUST AGREE WITH THEIR RESPECTIVE POWER SOURCE.

USE 105°C WIRE FOR REPLACEMENTS.

*ALTERNATE XFMR.
PRIMARY XFMR WIRES
230V/60Hz/10 — BK & Y(OR O)
208V/60Hz/10 — BK & R
WIRE NUT THE WIRE NOT USED.

1 FOR CANADIAN UNITS ONLY.

8H64908406 — Single-phase, intermittent pilot ignition, non-100% shut-off, low-voltage thermostat, low-voltage controlled power venter.
With 230V / 60Hz / 30 Power Supply, Reconnect Transformer-primary as shown.

For 230V / 115V.

TWO STAGE THERMOSTAT (BY OTHERS)

INLET DAMPER MOTOR (BY OTHERS)

30 STARTER (BY OTHERS)

- 250VA XFM (460/115V) SHOWED (BY OTHERS)

- FUSED DISCONNECT SWITCH (BY OTHERS)

CAUTION
Failure to wire this unit according to this wiring diagram may result in injury to the installer or user for deviations contact the factory.

WIRING LEGEND

<table>
<thead>
<tr>
<th>Wiring</th>
<th>Line</th>
<th>Low</th>
</tr>
</thead>
<tbody>
<tr>
<td>Factory</td>
<td>Field</td>
<td>Wire Nut</td>
</tr>
</tbody>
</table>

- Transformer not required with 230V/30 power supply and 230V/25V control power source.

- For Canadian units only.

- Alternate XFM:
  - Primary XFM wires: 230V/60Hz/10 - BK & W or Q;
  - 200V/60Hz/10 - BK & N; Wire nut the wire not used.

- Note to Installer:
  - Attach this diagram near heater.
  - All wiring must comply with national electric code and all local codes.
  - All components must agree with their respective power source.
  - Use 106°C wire for replacements.

GHI6208406 - Three-phase, intermittent pilot ignition, non-100% shut-off, low-voltage thermostat, low-voltage controlled power venter.
NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.
ALL WIRING MUST COMPLY WITH NATIONAL ELECTRIC CODE AND ALL LOCAL CODES.
*FOR CANADIAN UNITS ONLY

ALL COMPONENTS MUST AGREE WITH THEIR RESPECTIVE POWER SOURCE.
USE 105°C WIRE FOR REPLACEMENT.

*ALTERNATE XFMR.
PRIMARY XFMR WIRE:
115V/60 Hz/1Ø - 85V
200V/60Hz/1Ø - 95V/R
WIRE NUT THE WIRE NOT USED

*FOR CANADIAN UNITS ONLY

SH70089B20 — Single-phase, standing pilot, 100% shut-off, low-voltage thermostat
NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.
ALL WIRING MUST COMPLY WITH NATIONAL ELECTRIC CODE AND ALL LOCAL CODES.
*FOR CANADIAN UNITS ONLY

ALL COMPONENTS MUST AGREE WITH THEIR RESPECTIVE POWER SOURCE.
USE 18G WIRE FOR REPLACEMENT.

*ALTERNATE XFRMR.
PRIMARY XFRMR WIRING 115V/60Hz/18-55V
200V/60Hz/18-65V.
WIRE NUT THE WIRE NOT USED.

*FOR CANADIAN UNITS ONLY

8H6490B409 – Single-phase, standing pilot, 100% shut-off, low-voltage thermostat, low-voltage controlled power venter.
NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.
ALL WIRING MUST COMPLY WITH NATIONAL ELECTRIC CODE AND ALL LOCAL CODES.
ALL COMPONENTS MUST AGREE WITH THEIR RESPECTIVE POWER SOURCE.
USE 105°C WIRE FOR REPLACEMENTS.

TRANSFORMER NOT REQUIRED
WITH 230V/38 POWER SUPPLY
AND 230V/25V CONTROL TRANSFORMER

*ALTERNATE XFMR.
WIRE NUT THE WIRE NOT USED.

*FOR CANADIAN UNITS ONLY

INDICATES TRANSFORMER TERMINAL
*FOR CANADIAN UNITS ONLY

BH64908409 — Three-phase, standing pilot, 100% shut-off, low-voltage thermostat, low-voltage controlled power vent.
NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.
ALL WIRING MUST COMPLY WITH NATIONAL ELECTRIC CODE AND ALL LOCAL CODES.
ALL COMPONENTS MUST AGREE WITH THEIR RESPECTIVE POWER SOURCE.

*ALTERNATE XPMR.
PRIMARY XPMR WIRES
230V/50Hz/10 – BK & YDOR O
200V/60Hz/10 – BK & R
WIRE NUT THE WIRE NOT USED.
1 FOR CANADIAN UNITS ONLY.

SH70099822 — Single-phase, intermittent pilot ignition, 100% shut-off, low-voltage thermostat.
NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.
ALL WIRING MUST COMPLY WITH NATIONAL ELECTRIC CODE AND ALL LOCAL CODES.
ALL COMPONENTS MUST AGREE WITH THEIR RESPECTIVE POWER SOURCE.

*ALTERNATE XFMR PRIMAY XFMR WIRES
230V/60Hz/18 - BK & Y (OR C)
300V/60Hz/18 - BK & R
WIRE NOT THE WIRE NOT USED

*TRANSFORMER NOT REQUIRED WITH 230V/30 POWER SUPPLY AND 230V/25V CONTROL TRANSFORMER

FOR CANADIAN UNITS ONLY

5H70089822 — Three-phase, intermittent pilot ignition, 100% shut-off, low-voltage thermostat