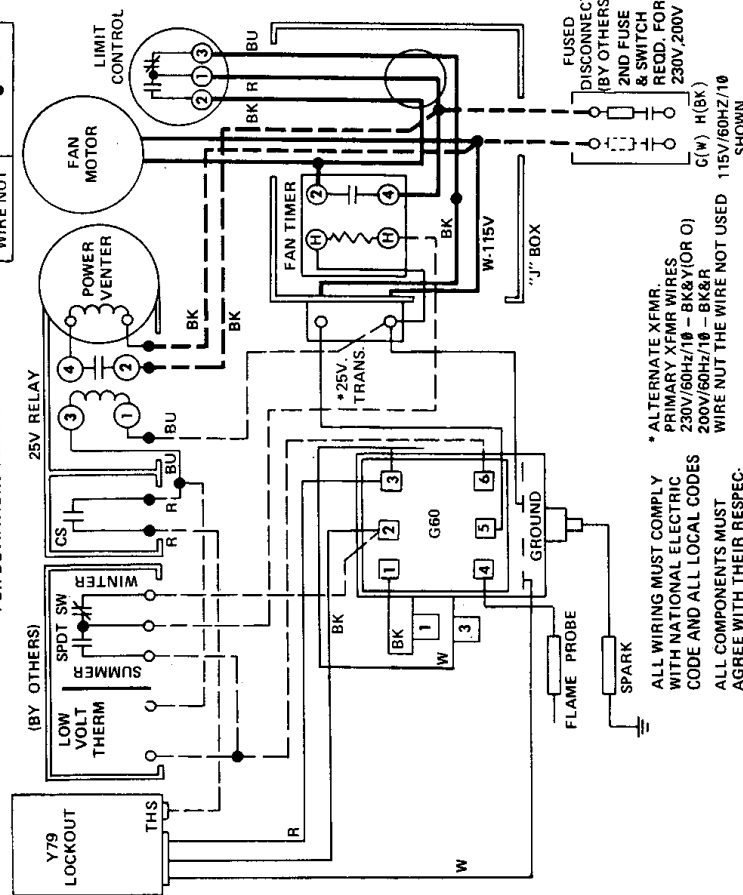




MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

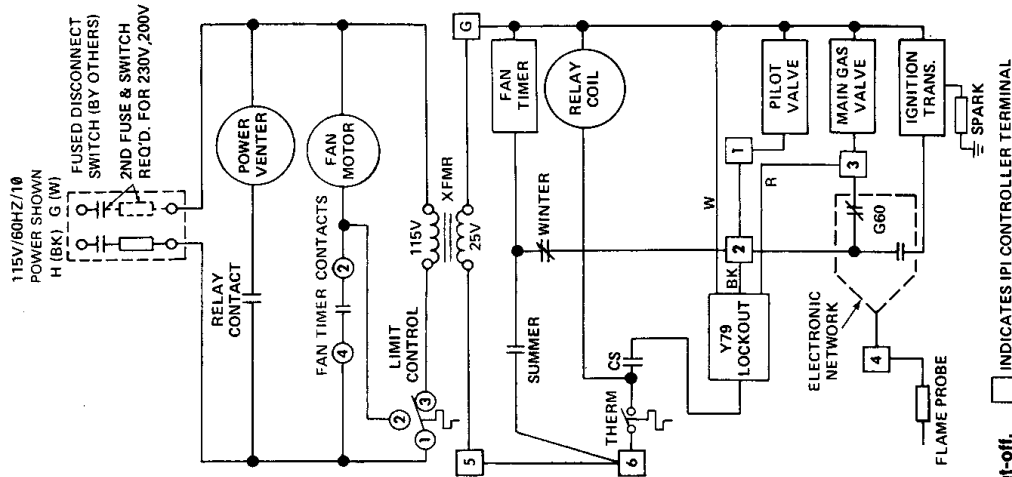
WIRING LEGEND	
FACTORY	LOW
FIELD	LOW
WIRE NUT	LOW

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.



* ALTERNATE XFMR.
PRIMARY XFMR WIRES
230V/60Hz/10 - BK&Y(OR O)
200V/60Hz/10 - BK&R
WIRE NUT THE WIRE NOT USED
115V/60Hz/10
SHOWN

ALL WIRING MUST COMPLY
WITH NATIONAL ELECTRIC
CODE AND ALL LOCAL CODES
ALL COMPONENTS MUST
AGREE WITH THEIR RESPEC-
TIVE POWER SOURCE
USE 105°C WIRE FOR
REPLACEMENT
NOTE TO INSTALLER:
ATTACH THIS DIAGRAM
NEAR HEATER



8H6490B32 — Single-phase, intermittent pilot ignition, 100% shut-off,
fan-time delay, low-voltage thermostat, summer-winter
switch, low-voltage controlled power venter.

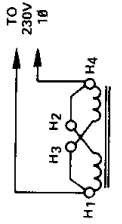


MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

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	
LINE	LOW
FACTORY	FIELD
WIRE NUT	WIRE NUT

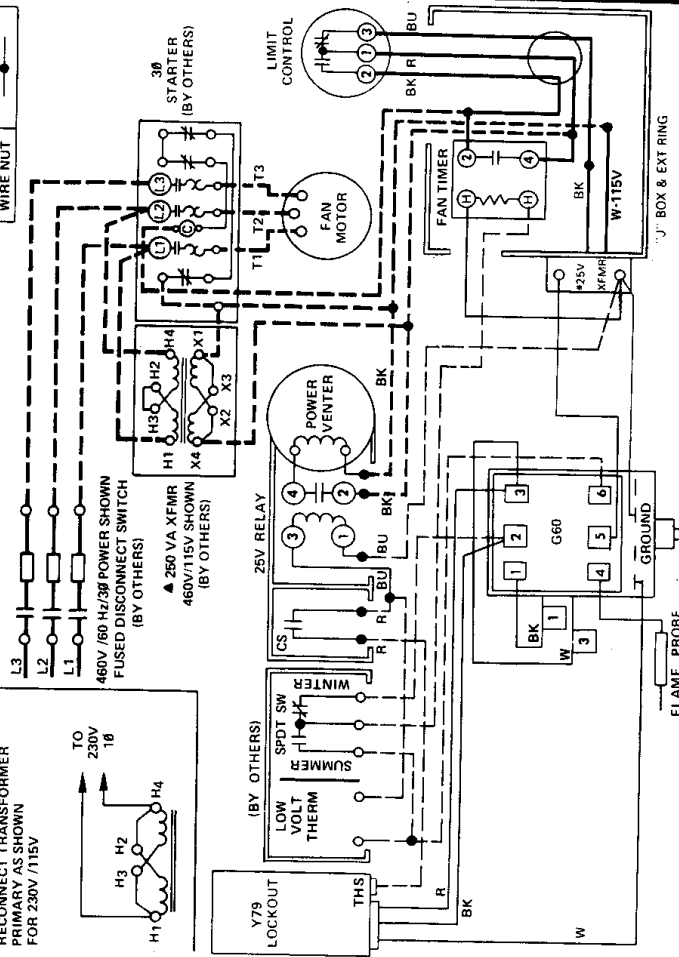
WITH 230V /60 HZ/3Ø POWER SUPPLY
RECONNECT TRANSFORMER
PRIMARY AS SHOWN
FOR 230V /115V



460V /60 HZ/3Ø POWER SHOWN
FUSED DISCONNECT SWITCH
(BY OTHERS)

▲ 250 VA XFMR
460V/115V SHOWN
(BY OTHERS)

3Ø
STARTER
(BY OTHERS)



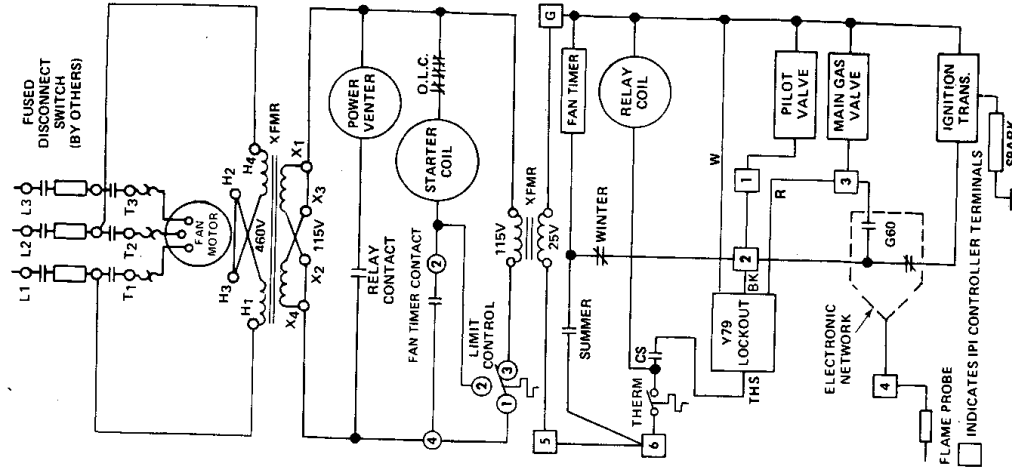
*ALTERNATE XFMR
PRIMARY XFMR WIRES
230V/60Hz/1Ø - BK&Y
200V/60Hz/1Ø - BK&R
WIRE NUT THE WIRE NOT USED

▲ TRANSFORMER NOT REQUIRED WITH 230V/3Ø
POWER SUPPLY AND 230V/25V CONTROL TRANSFORMER

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 REPLACEMENT.

8H6490832 — Three-phase, intermittent pilot ignition, 100% Shut-off,
fan time delay, low-voltage thermostat, summer-winter
switch, low-voltage controlled power venter.

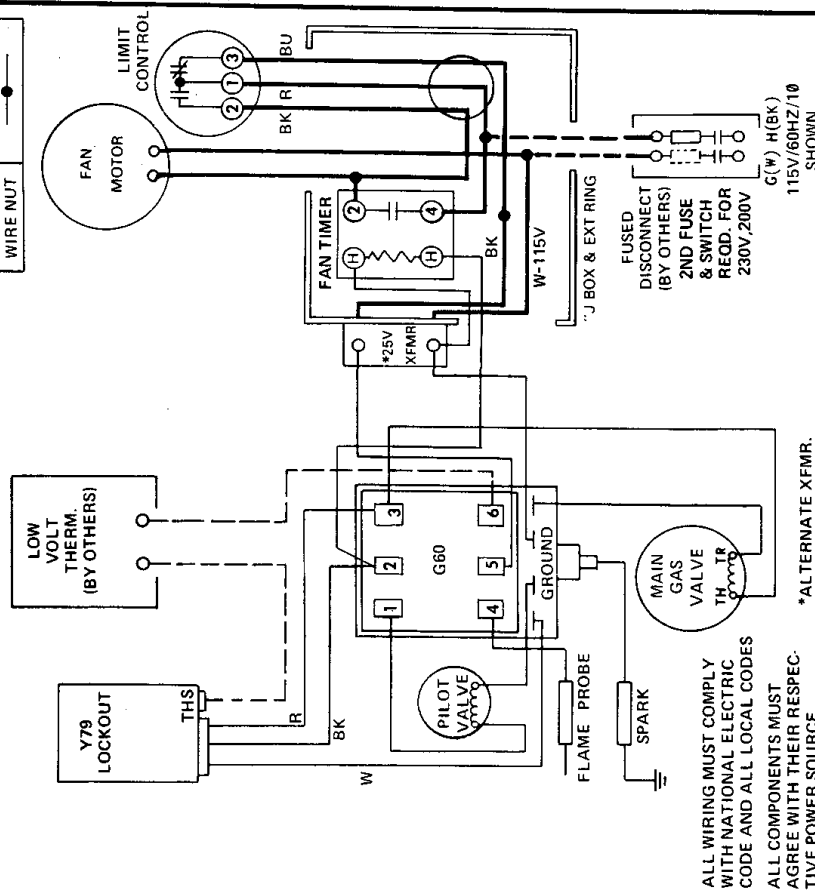
460V /60 HZ/3Ø POWER SHOWN



FLAME PROBE
INDICATES IPI 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.

WIRING LEGEND	
FACTORY	LINE
FIELD	LOW
WIRE NUT	



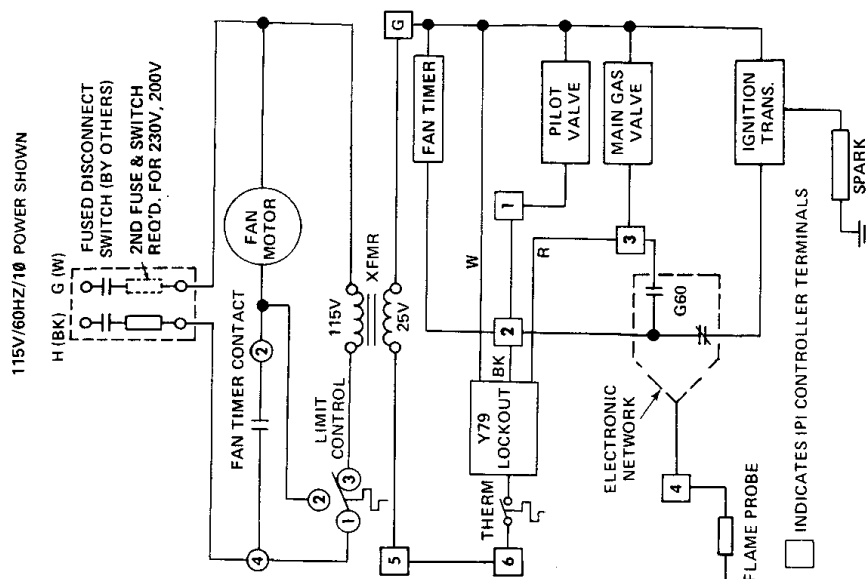
ALL WIRING MUST COMPLY
WITH NATIONAL ELECTRIC
CODE AND ALL LOCAL CODES
ALL COMPONENTS MUST
AGREE WITH THEIR RESPEC-
TIVE POWER SOURCE
USE 105°C WIRE FOR
REPLACEMENT

**NOTE TO INSTALLER:
ATTACH THIS DIAGRAM
NEAR UNIT HEATER**

ALTERNATE XFMR.
PRIMARY XFMR WIRES
230V/60Hz/1Ø - BK&Y
200V/60Hz/1Ø - BK&R
WIRE NUT THE WIRE NO

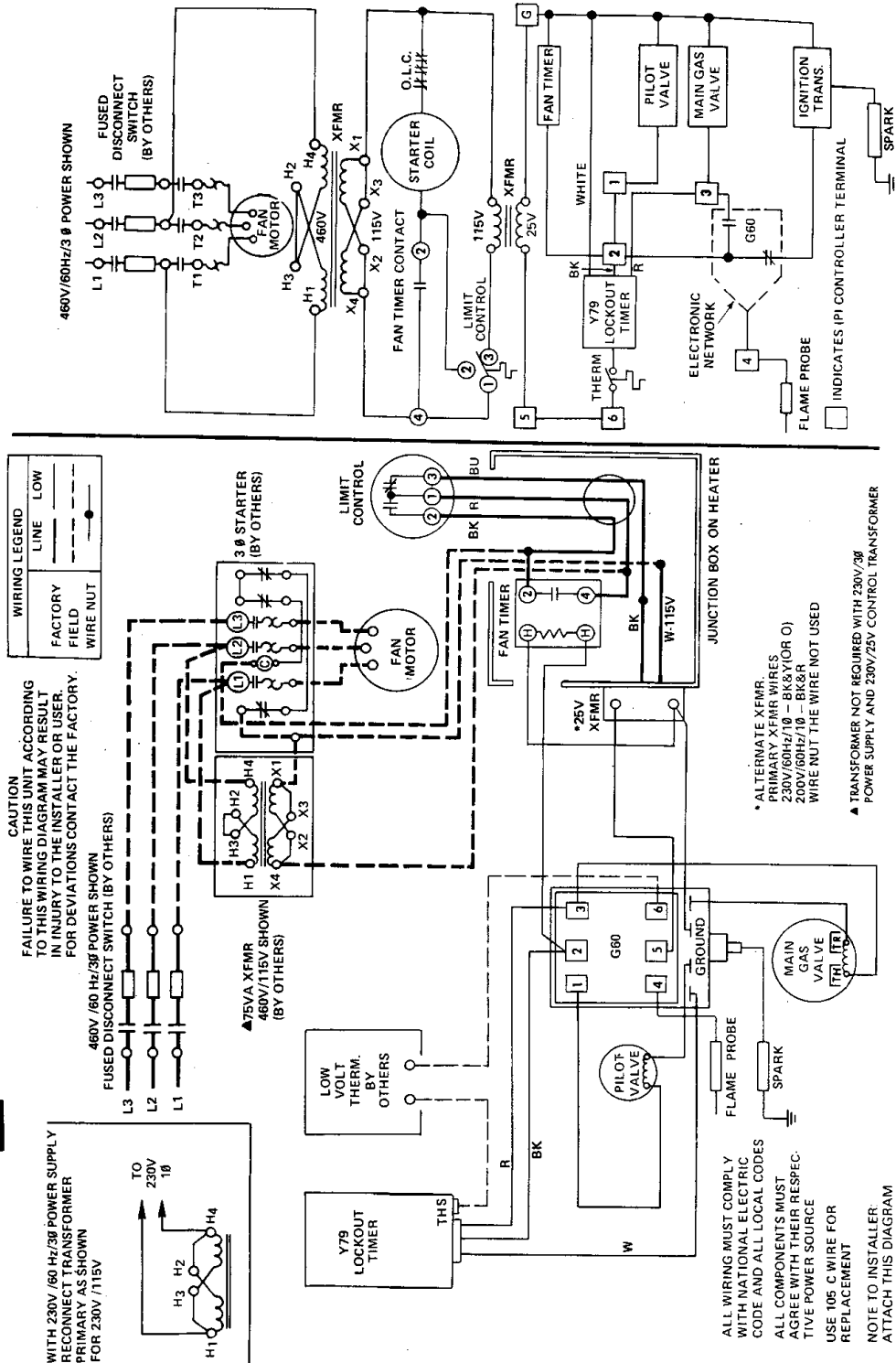
200V/50Hz/10 - BK&R
WIRE NUT THE WIRE NOT USED

5H70081B15 — Single-phase, intermittent pilot ignition, 100% shut-off, fan-time delay, low-voltage thermostat. (Rev. D)





MODINE 6-430 WIRING DIAGRAM MODELS PA, BA



5H70081B15 — Three-phase, intermittent pilot ignition, 100% shut-off, fan-time delay, low-voltage thermostat. (Rev. D)

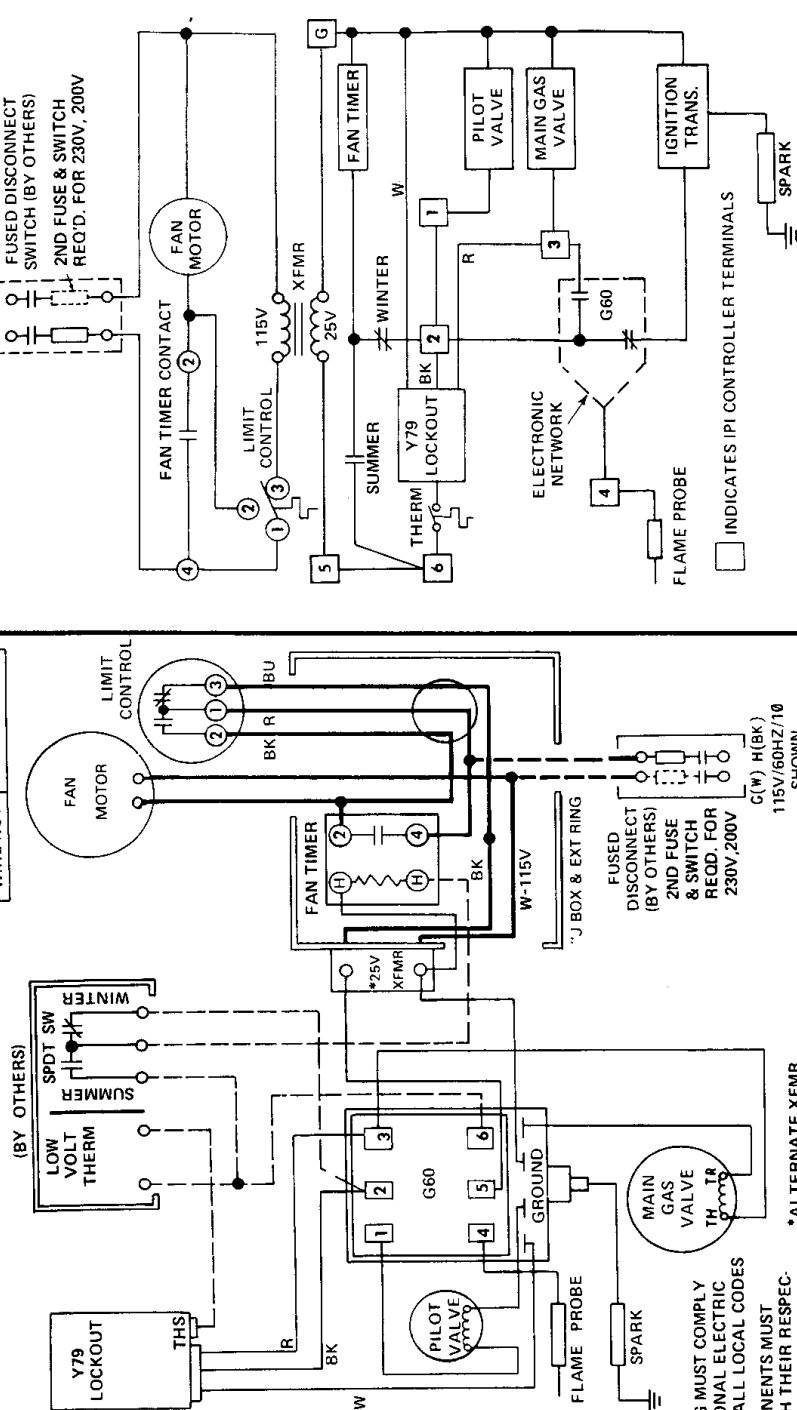


MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

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
FIELD	LOW
WIRE NUT	---



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

NOTE TO INSTALLER: ATTACH THIS DIAGRAM NEAR UNIT HEATER

*ALTERNATE XFMR. PRIMARY XFMR WIRES 230V/60Hz/10 - BK&Y 200V/60Hz/10 - BK&R WIRE NUT THE WIRE NOT USED

8H6490B11 — Single-phase, intermittent pilot ignition, 100% shut-off, fan time delay, low-voltage thermostat, summer-winter switch.

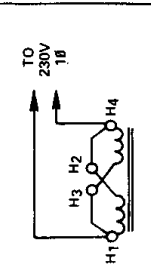


MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

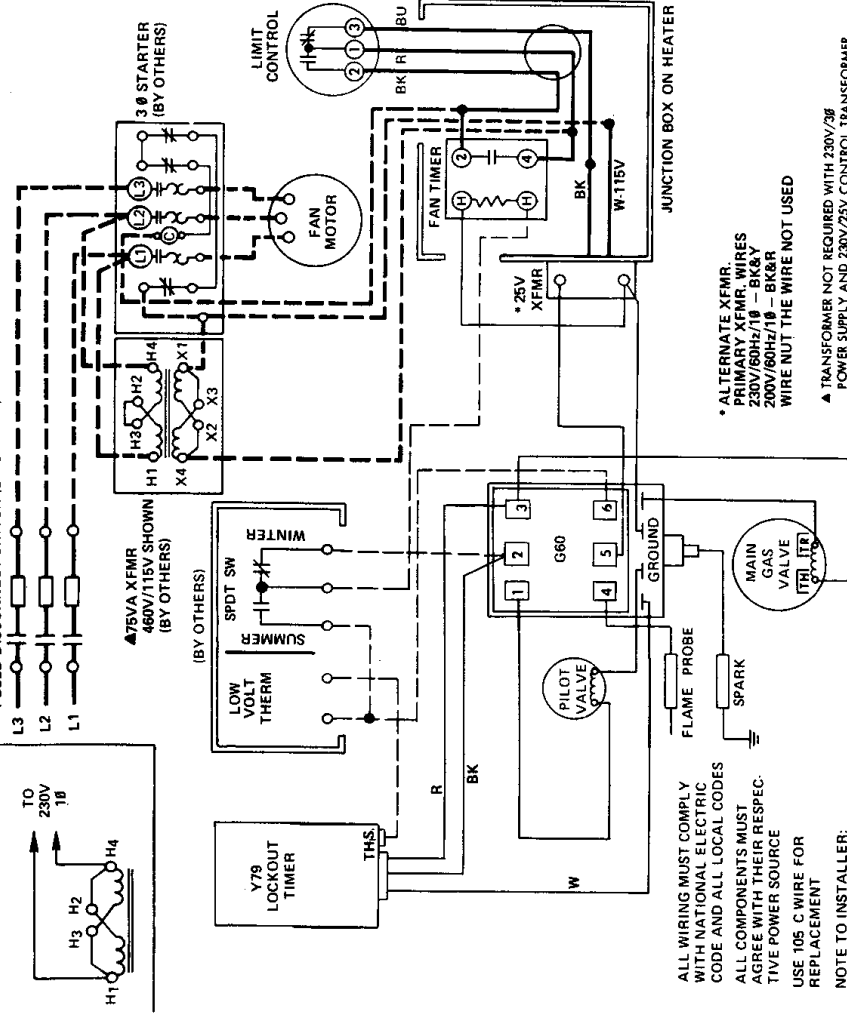
WIRING LEGEND	
LINE	LOW
FACTORY	FIELD
WIRE NUT	

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.

WITH 230V / 60 HZ / 3Ø POWER SUPPLY
RECONNECT TRANSFORMER
PRIMARY AS SHOWN
FOR 230V / 115V



480V / 60 HZ / 3Ø POWER SHOWN
FUSED DISCONNECT SWITCH (BY OTHERS)

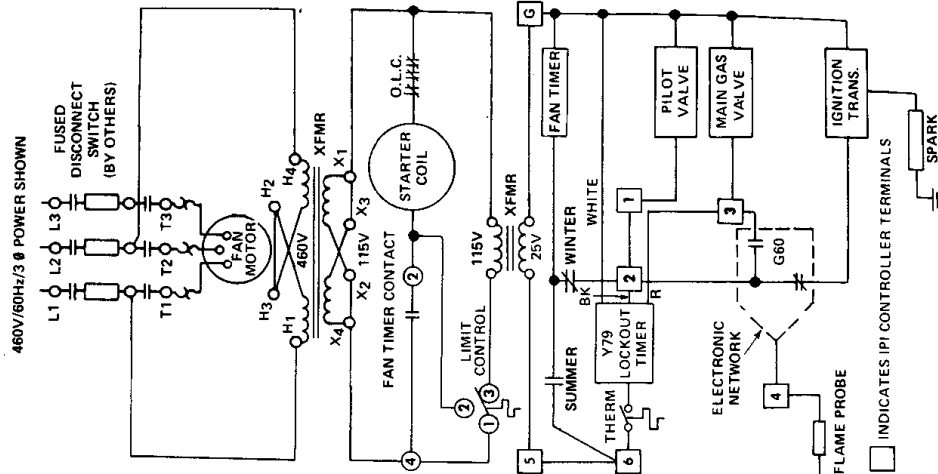


* ALTERNATE XFMR
PRIMARY WIRE WIRING
230V/60Hz/1Ø - BK&Y
200V/60Hz/1Ø - BK&R
WIRE NUT THE WIRE NOT USED

▲ TRANSFORMER NOT REQUIRED WITH 230V/3Ø
POWER SUPPLY AND 230V/25V CONTROL TRANSFORMER

NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.

8H6490B11 — Three-phase, intermittent pilot ignition, 100% shut-off,
fan time delay, low-voltage thermostat, summer-winter switch.



□ INDICATES IPI CONTROLLER TERMINALS

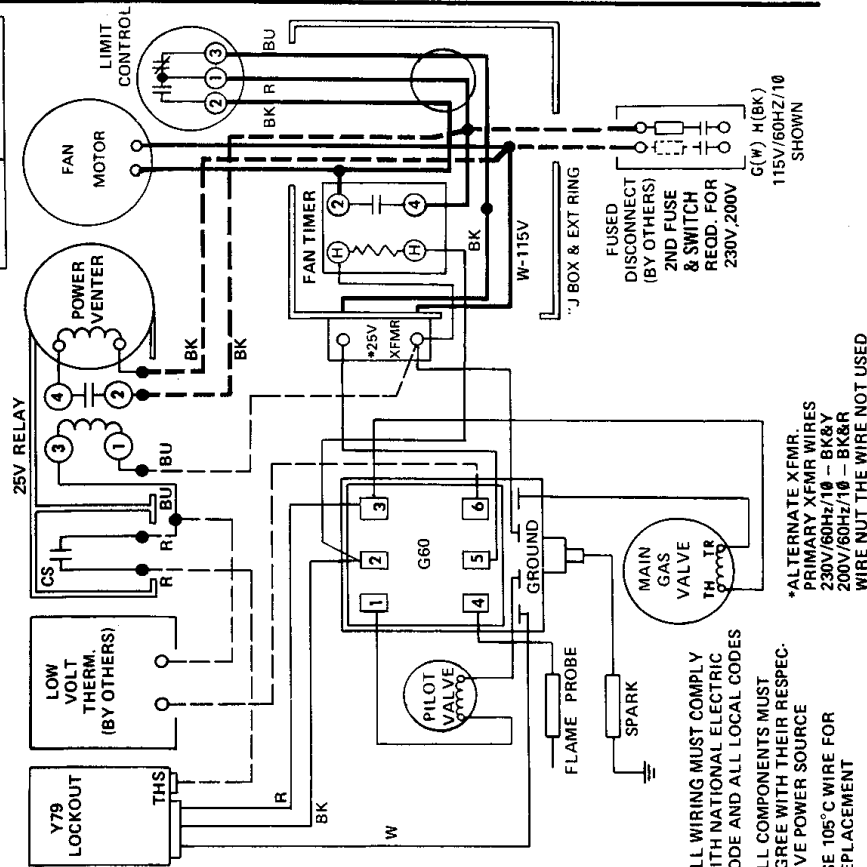


MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

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.

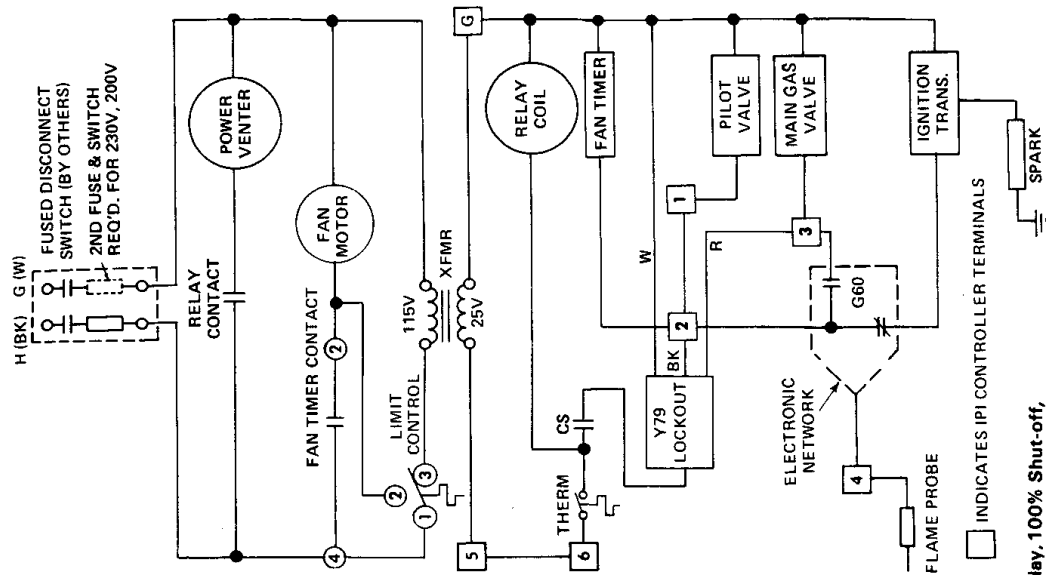
WIRING LEGEND	
FACTORY	LINE
FIELD	LOW
WIRE NUT	---



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
NOTE TO INSTALLER: ATTACH THIS DIAGRAM NEAR UNIT HEATER

*ALTERNATE XFMR. PRIMARY XFMR WIRES 230V/60Hz/10 - BK&Y 200V/60Hz/10 - BK&R WIRE NUT THE WIRE NOT USED

115V/60Hz/10 POWER SHOWN



INDICATES IPI CONTROLLER TERMINALS

8H6490B22 — Single-phase, intermittent pilot ignition, fan time delay, 100% Shut-off, low-voltage thermostat, low-voltage controlled power venter.



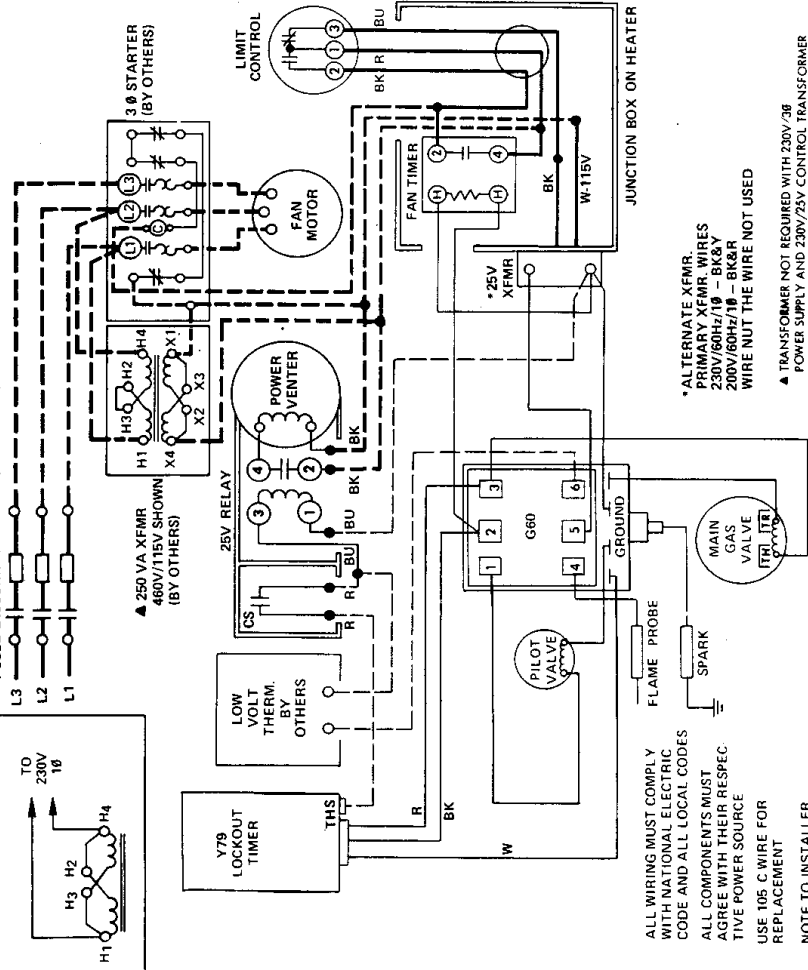
MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

WIRING LEGEND	
LINE	LOW
FACILITY	FIELD
WIRE NUT	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.

WITH 230V / 60 HZ/3Ø POWER SUPPLY
RECONNECT TRANSFORMER
PRIMARY AS SHOWN
FOR 230V / 115V

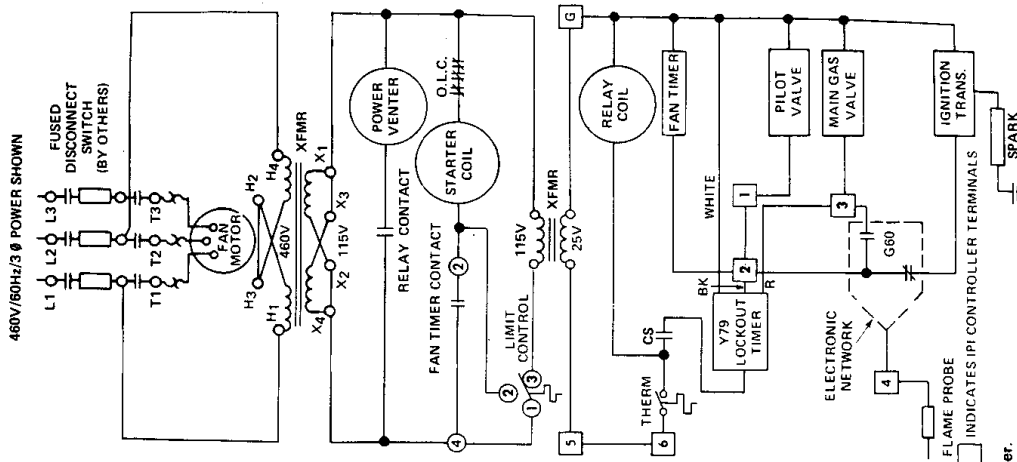
460V / 60 HZ/3Ø POWER SHOWN
FUSED DISCONNECT SWITCH (BY OTHERS)



*ALTERNATE XFMR
PRIMARY WIRE Wires
230V/60Hz/1Ø - BK&Y
200V/60Hz/1Ø - BK&R
WIRE NUT THE WIRE NOT USED

▲ TRANSFORMER NOT REQUIRED WITH 230V/3Ø
POWER SUPPLY AND 230V/25V CONTROL TRANSFORMER

8H6490B22 - Three-phase, intermittent pilot ignition, 100% Shut-off
fan time delay, low-voltage thermostat, low-voltage controlled power venter.

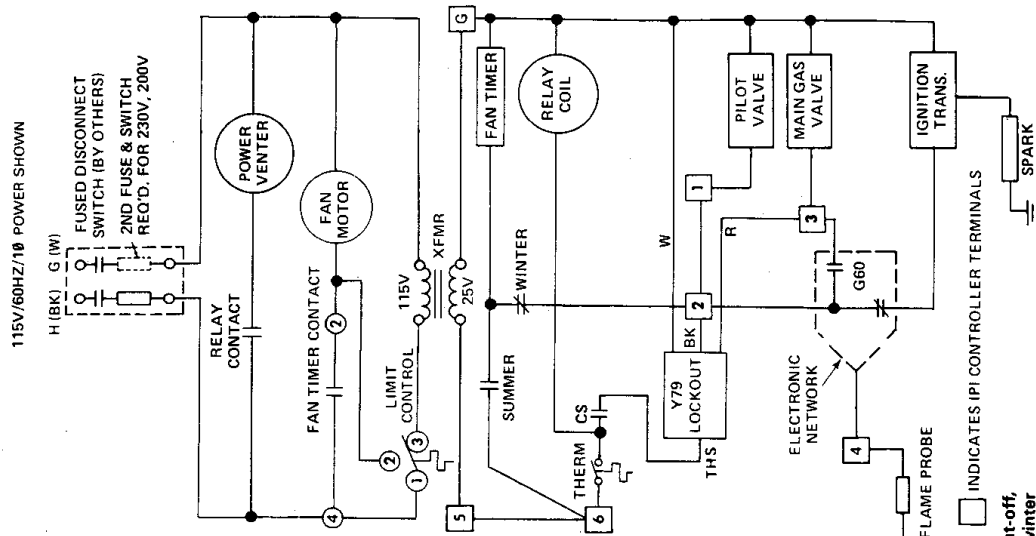
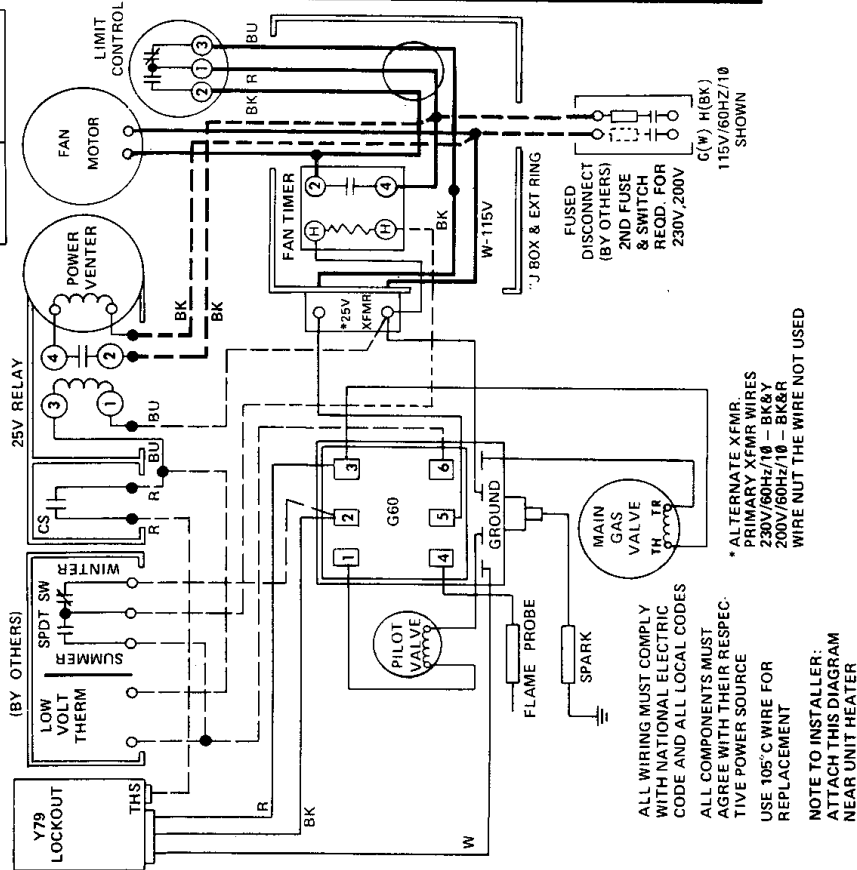




MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

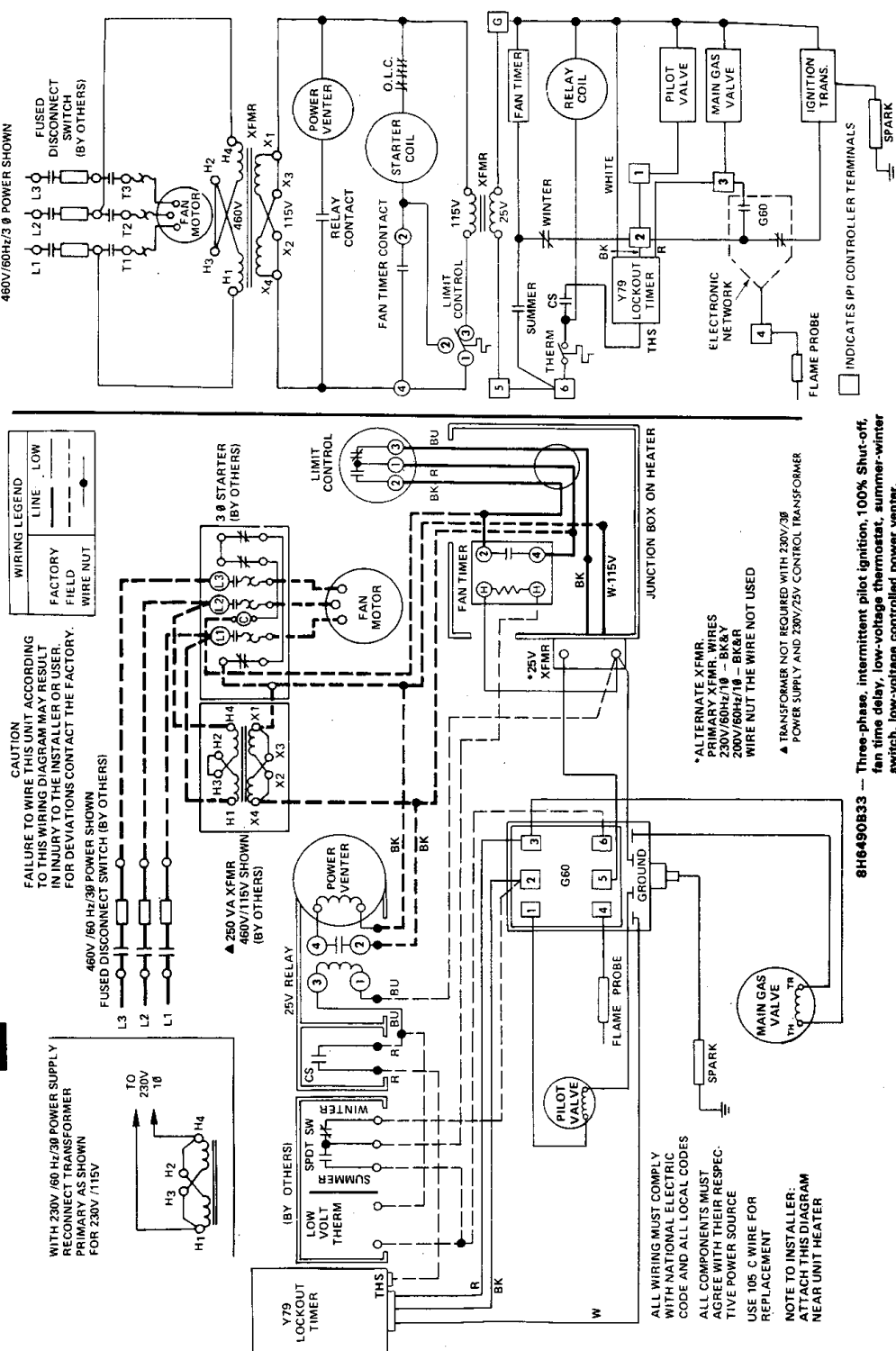
CAUTION
FAILURE TO WIRE THIS UNIT ACCORDING
TO THIS WIRING DIAGRAM MAY RESULT
IN INJURY TO THE INSTALLER OR USER.
FOR DEVIATIONS CONTACT THE FACTORY.

WIRING LEGEND	
FACTORY	LINE
FIELD	LOW
WIRE NUT	---

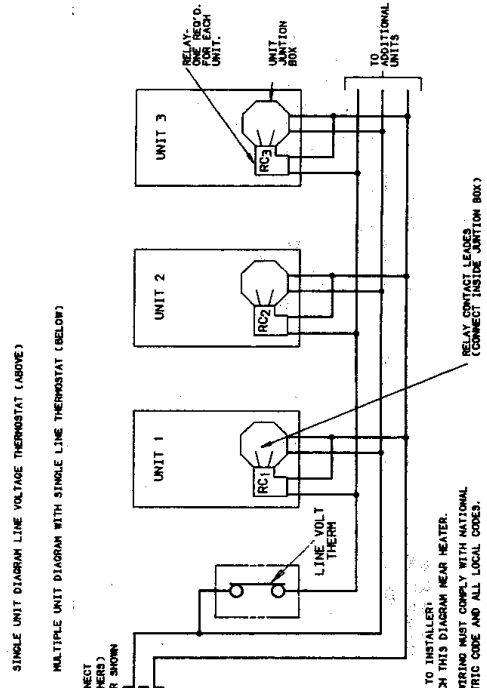
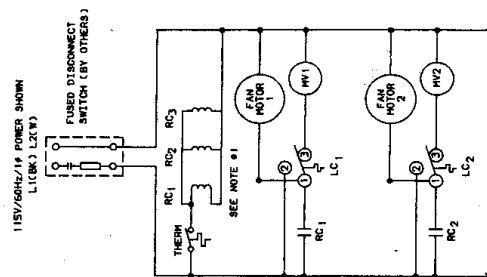
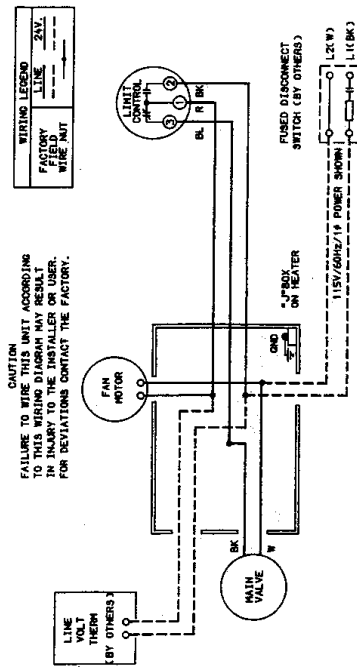
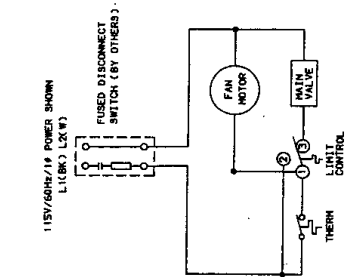


INDICATES IPI CONTROLLER TERMINALS

8H6490B33 — Single-phase, intermittent pilot ignition, 100% Shut-off, fan time delay, low-voltage thermostat, summer-winter switch, low-voltage controlled power venter.



MODINE 6-430 WIRING DIAGRAM MODELS PA



NOTE: 1. RELAY MAY BE SELECTED HAVING SINGLE COIL AND MULTIPLE CONTACTS.

SINGLE UNIT DIAGRAM LINE VOLTAGE THERMOSTAT (ABOVE)

MULTIPLE UNIT DIAGRAM WITH SINGLE LINE THERMOSTAT (BELOW)

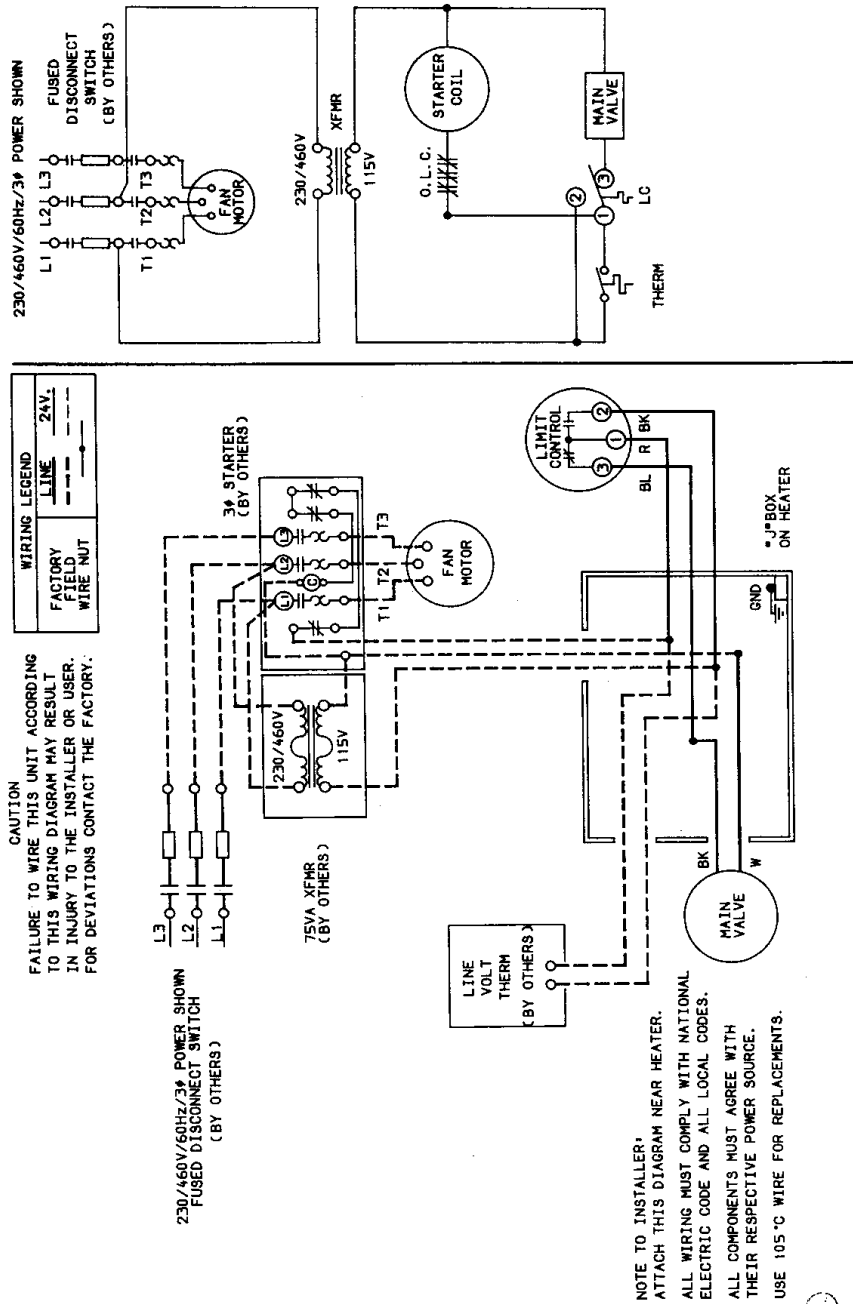
NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.
ALL WIRING MUST COMPLY WITH NATIONAL ELECTRIC CODE AND ALL LOCAL CODES.
ALL COMPONENTS MUST ADHERE WITH THEIR RESPECTIVE POWER SOURCE.
USE 105°C WIRE FOR REPLACEMENTS.

5H70081B26 — Single-phase, standing pilot, 100% shut-off, line-voltage thermostat. (Rev. C)



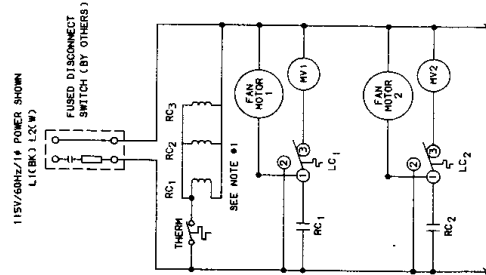
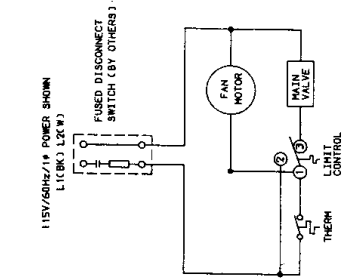
MODINE 6-430 WIRING DIAGRAM MODELS PA

FOR U.S. UNITS ONLY

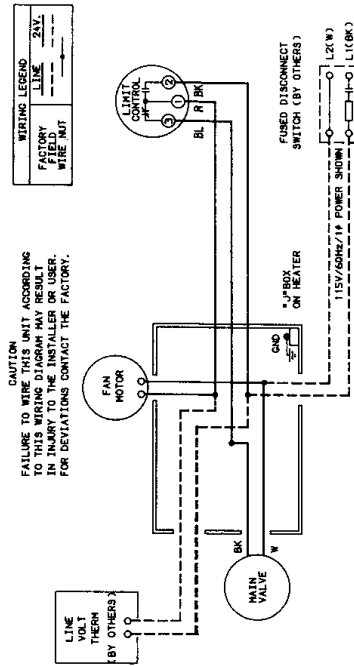


5H70081B26 — Three-phase, standing pilot, 100% shut-off, line-voltage thermostat. (Rev. C)

MODINE 6-430 WIRING DIAGRAM MODELS PA

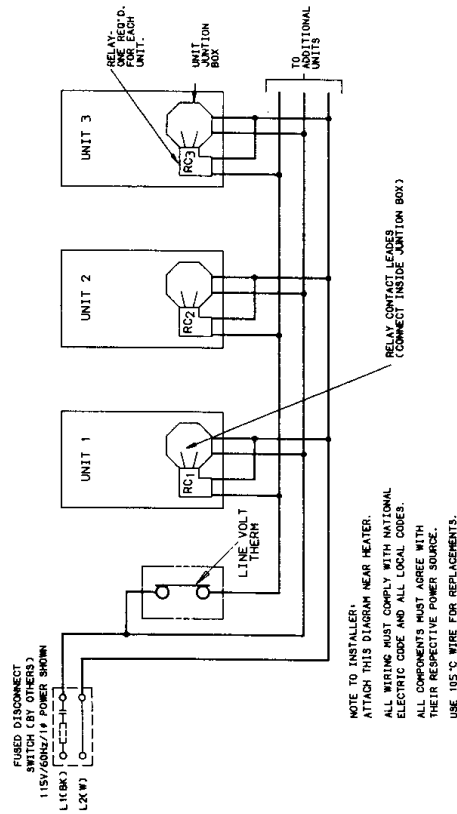


NOTE: 115V/60Hz/1 ϕ POWER SHOWN
L1(BK) L2(W)



SINGLE UNIT DIAGRAM LINE VOLTAGE THERMOSTAT (ABOVE)

MULTIPLE UNIT DIAGRAM WITH SINGLE LINE THERMOSTAT (BELOW)



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.

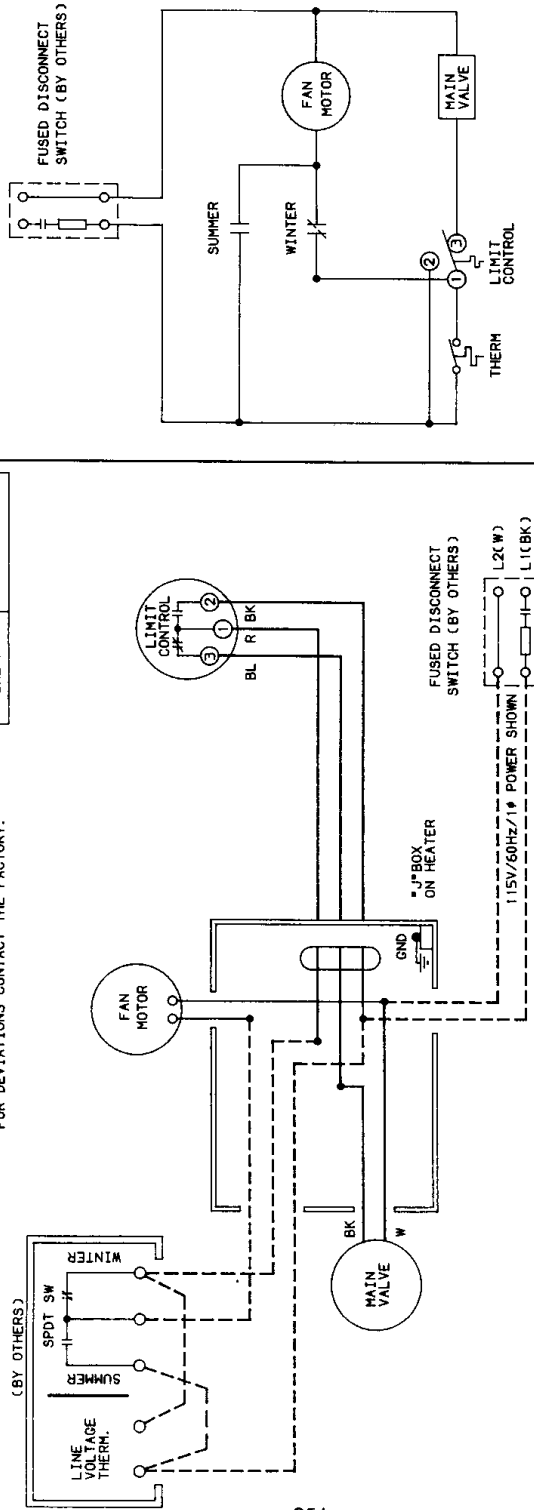
5H70081B26 — Single-phase, standing pilot, 100% shut-off,
line-voltage thermostat. (Rev. C)



MODINE 6-430 WIRING DIAGRAM MODELS PA

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	---
FIELD	- - -
WIRE NUT	•

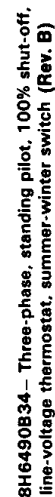


NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.
ALL WIRING MUST COMPLY WITH NATIONAL
ELECTRIC CODE AND ALL LOCAL CODES.
ALL COMPONENTS MUST AGREE WITH
THEIR RESPECTIVE POWER SOURCE.
USE 105°C WIRE FOR REPLACEMENTS.

8H6490B34 — Single-phase, standing pilot, 100% shut-off,
line-voltage thermostat, summer-winter switch. (Rev. B)



FOR U.S. UNITS ONLY



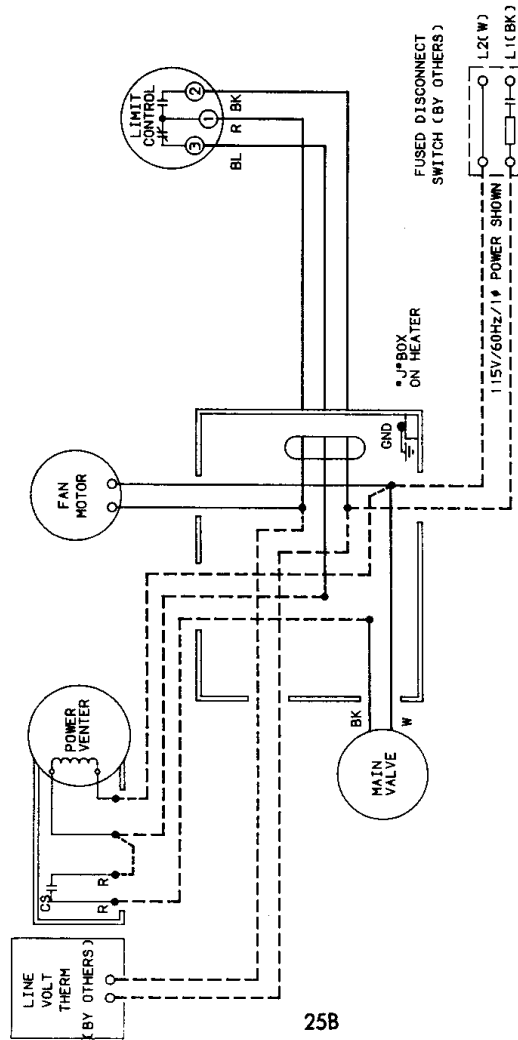


MODINE 6-430 WIRING DIAGRAM MODELS PA

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.

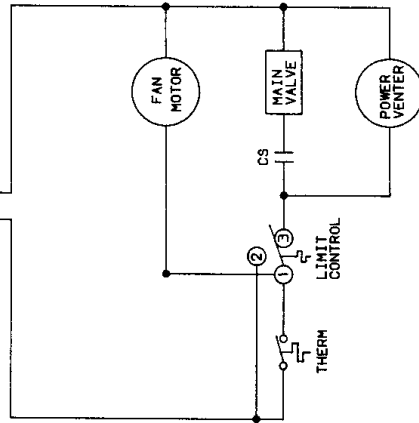
WIRING LEGEND	
FACTORY	LINE
FIELD	24V
WIRE NUT	---



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.

115V/60Hz/1 ϕ POWER SHOWN
L1(BK) L2(W)

FUSED DISCONNECT
SWITCH (BY OTHERS)



8H6490B35— Single-phase, standing pilot, 100% shut-off,
line-voltage thermostat, power venter (Rev. B)

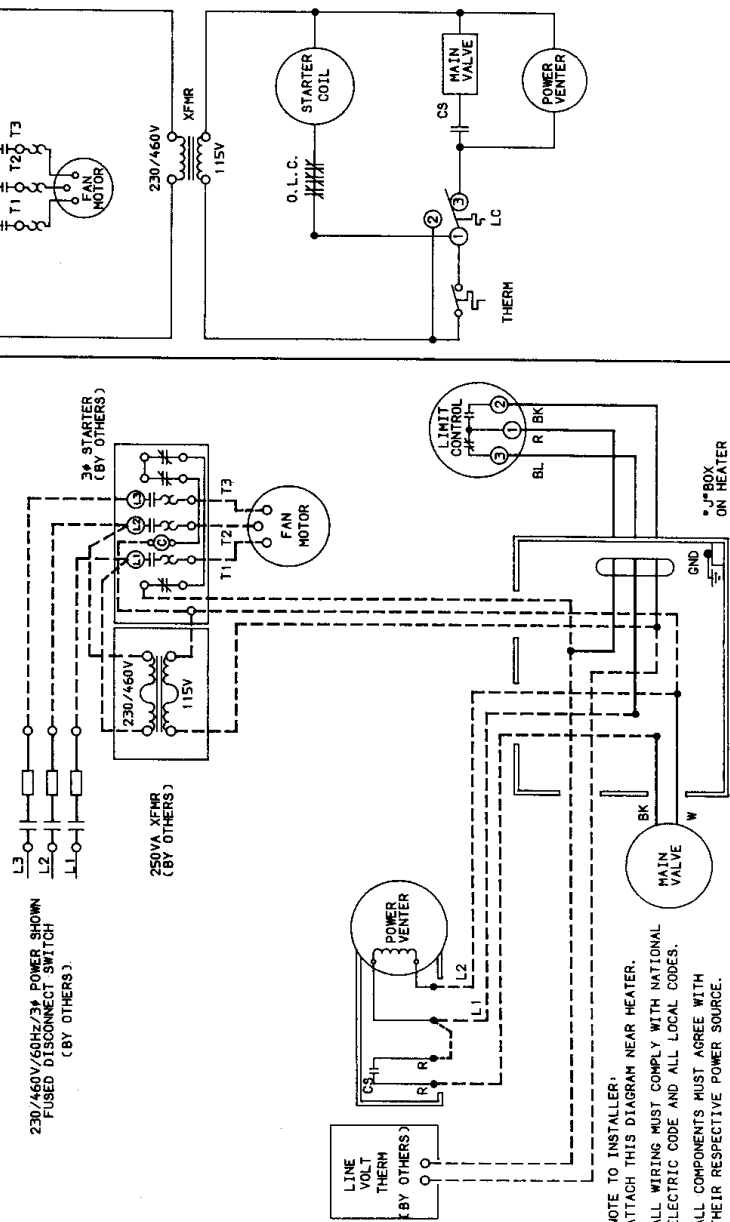


MODINE 6-430 WIRING DIAGRAM MODELS PA

FOR U.S. UNITS ONLY

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	24V.
FIELD	---	---
WIRE NUT	---	---



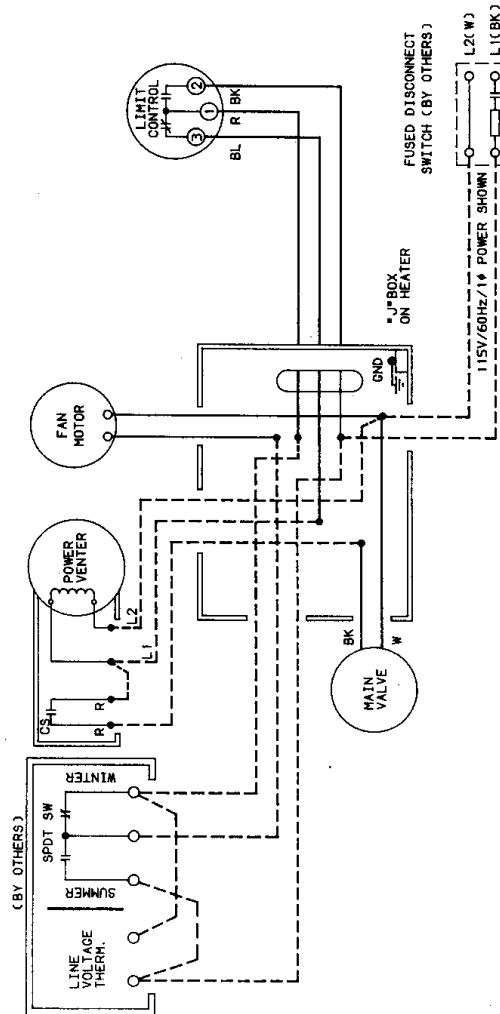
8H6490835 — Three-phase, standing pilot, 100% shut-off,
line-voltage thermostat, power venter (Rev. B)



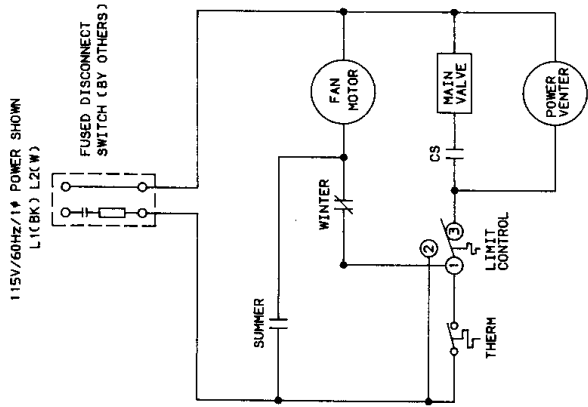
MODINE 6-430 WIRING DIAGRAM MODELS PA

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	
LINE	24V.
FACTORY	---
FIELD	---
WIRE NUT	---



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.



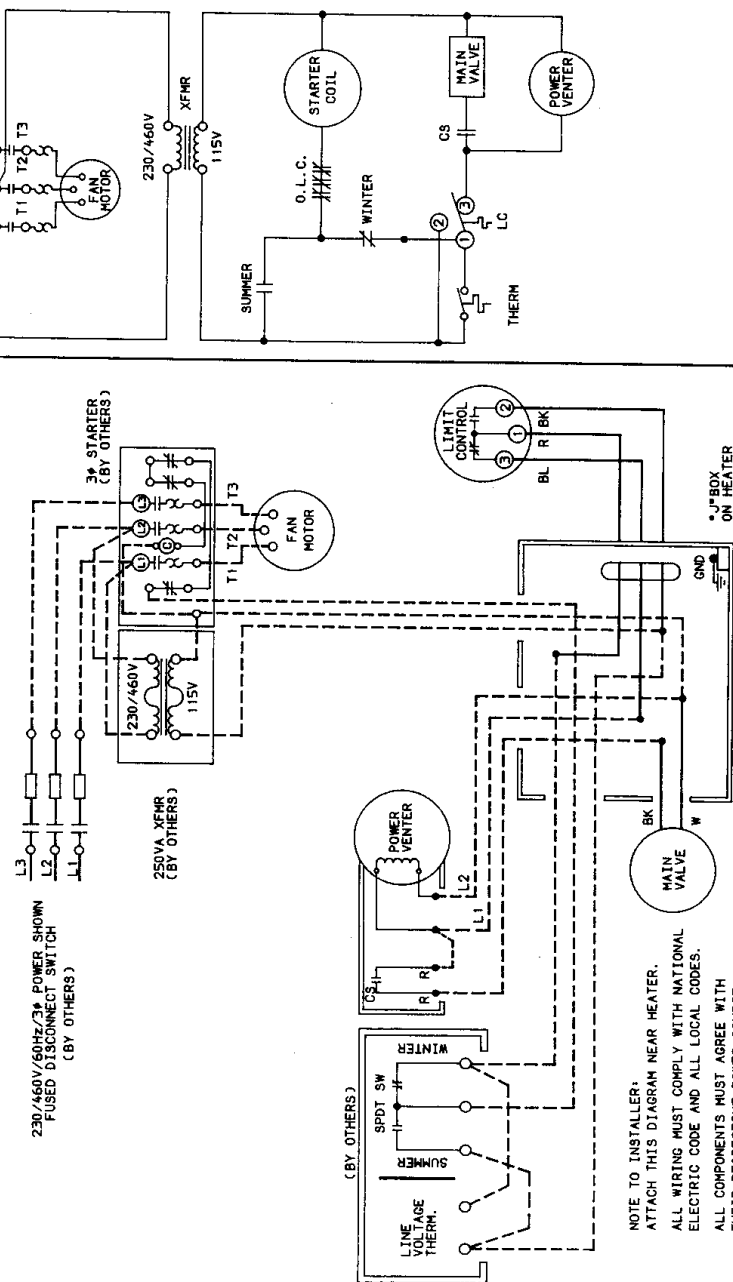
8H6490B36 — Single-phase, standing pilot, 100% shut-off,
line-voltage thermostat, summer-winter switch, power venter. (Rev. B)



FOR U.S. UNITS ONLY

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 24V.
FIELD	---
WIRE NUT	—●—



**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.**

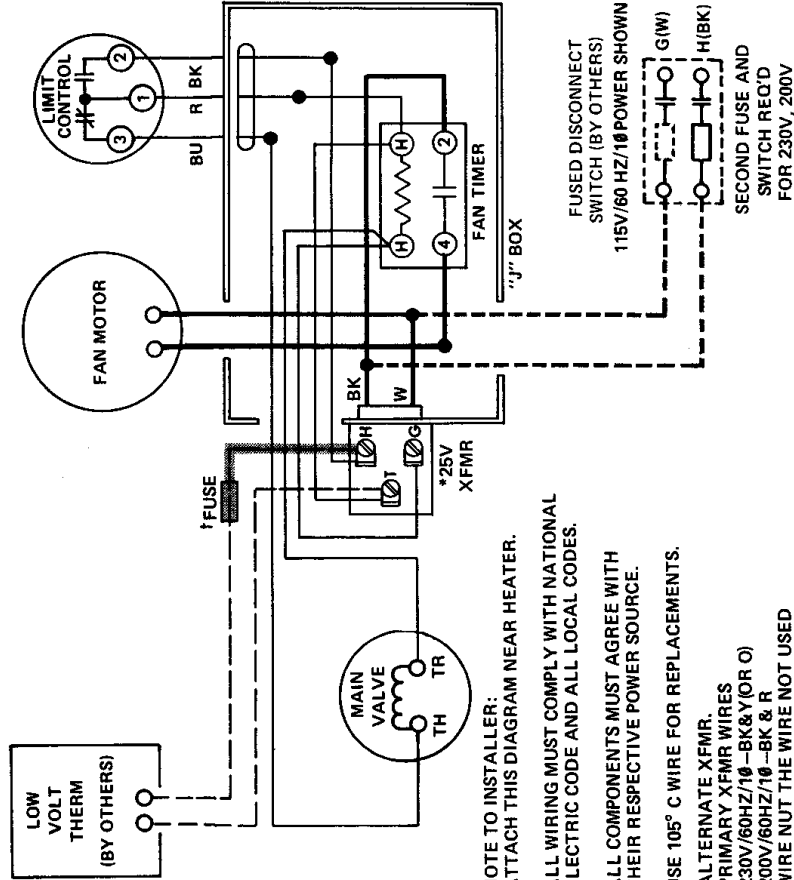
8H6490B36 — Three-phase, standing pilot, 100% shut-off, line-voltage thermostat, summer-winter switch, power vent. (Rev. B)



MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

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
FIELD	---
WIRE NUT	•



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)

200V/60HZ/10-BK & R

WIRE NUT THE WIRE NOT USED

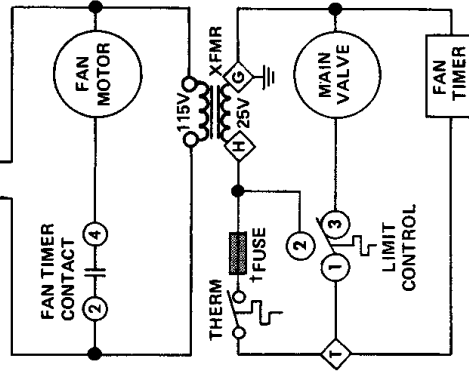
†FOR CANADIAN UNITS ONLY

115V/60HZ/10 POWER SHOWN

H(BK) G(W)

FUSED DISCONNECT SWITCH (BY OTHERS)

SECOND FUSE AND SWITCH REQ'D. FOR 200V, 230V ONLY.



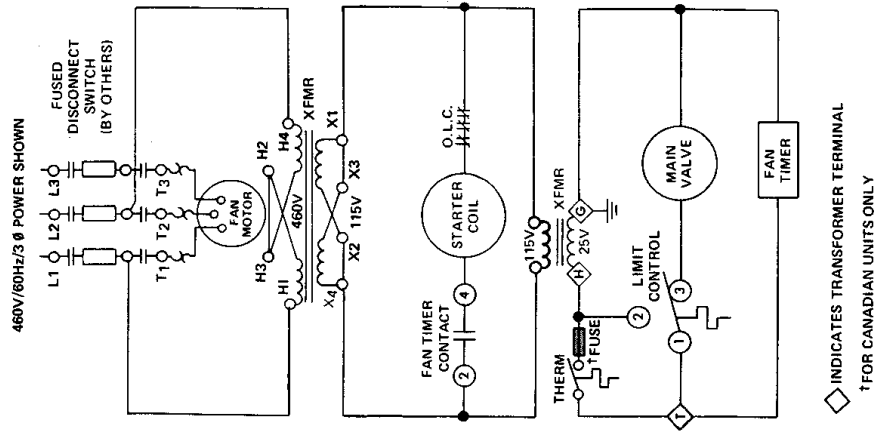
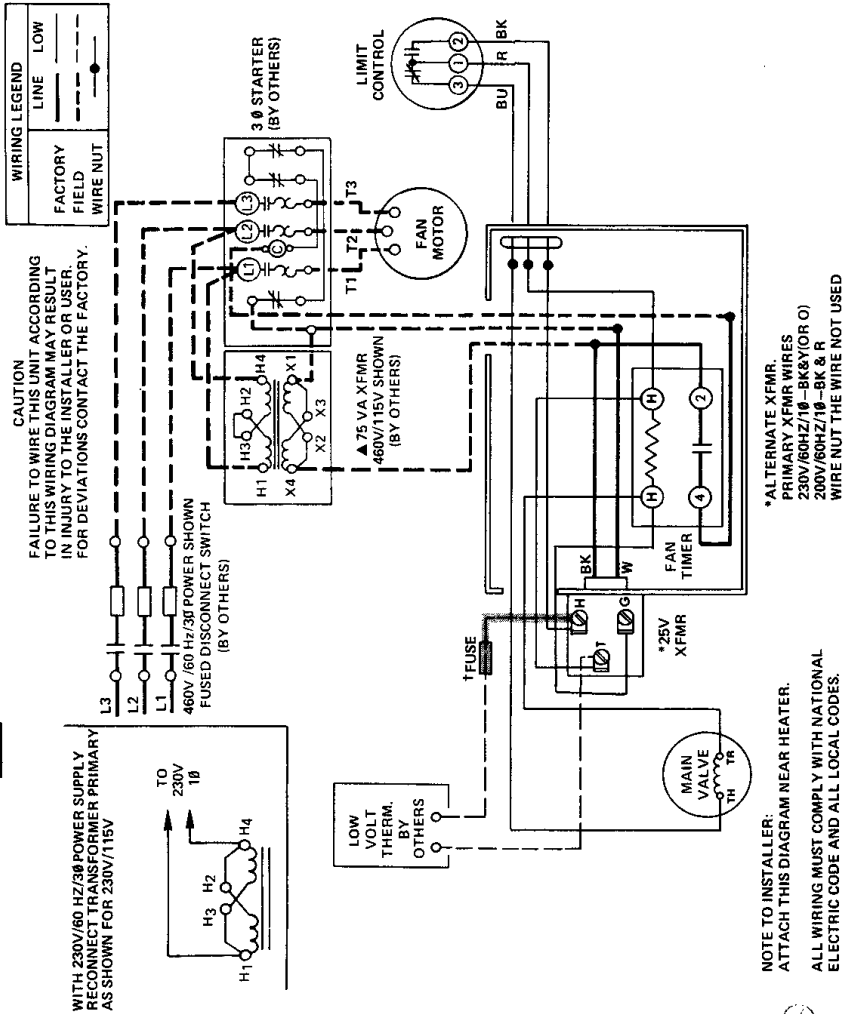
◇ INDICATES TRANSFORMER TERMINAL

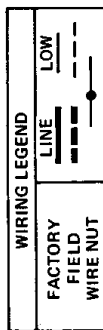
†FOR CANADIAN UNITS ONLY

5H70081B20 — Single-phase, standing pilot, 100% shut-off, fan-time delay, low-voltage thermostat. (Rev. A)



MODINE 6-430 WIRING DIAGRAM MODELS PA, BA





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

(BY OTHERS)

**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/1Ø-BK&Y(OR O)

200V/60HZ/1Ø-BK & R
WIRE NUT THE WIRE NOT USED

FOR CANADIAN UNITS ONLY

 $H(BK) \quad G(W)$

USED DISCONNECT SWITCH (BY OTHERS)

SECOND FUSE AND SWITCH REQ.D.
FOR 200V, 230V ONLY.

◇ INDICATES TRANSFORMER TERMINAL
† FOR CANADIAN UNITS ONLY

8H6490B37 -- Single-phase, standing pilot, 100% shut-off, fan time delay, low-voltage thermostat, summer-winter switch

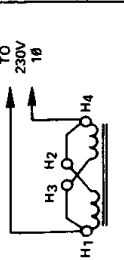


MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

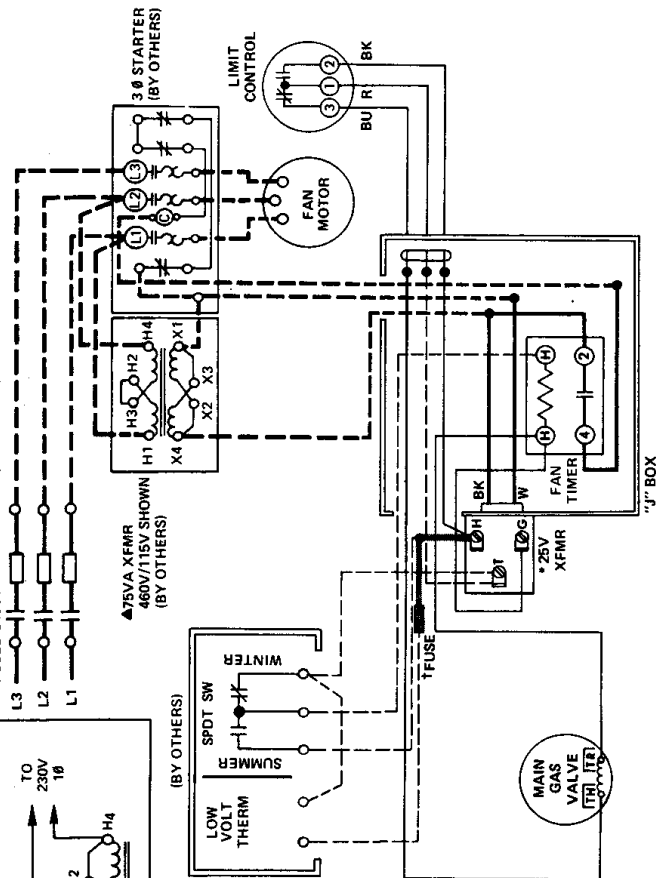
WIRING LEGEND	
LINE	LOW
FACTORY	FIELD
WIRE NUT	

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.

WITH 230V / 60 Hz/3Ø POWER SUPPLY
RECONNECT TRANSFORMER
PRIMARY AS SHOWN
FOR 230V / 115V



460V / 60 Hz/3Ø POWER SHOWN
FUSED DISCONNECT SWITCH (BY OTHERS)

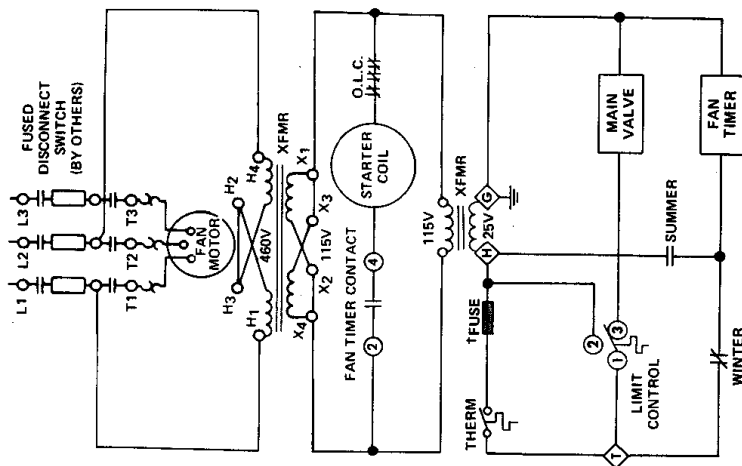


NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.
ALL WIRING MUST COMPLY WITH NATIONAL
ELECTRIC CODE AND ALL LOCAL CODES.
ALL COMPONENTS MUST AGREE WITH
THEIR RESPECTIVE POWER SOURCE.
USE 105° C WIRE FOR REPLACEMENTS.

*ALTERNATE XFMR.
PRIMARY XFMR WIRES
230V/60HZ/1Ø-BK&Y(OR O)
200V/60HZ/1Ø-BK & R
WIRE NUT THE WIRE NOT USED
†FOR CANADIAN UNITS ONLY
▲ TRANSFORMER NOT REQUIRED WITH 230V/3Ø
POWER SUPPLY AND 230V/25V CONTROL TRANSFORMER

8H6490B37 — Three-phase, standing pilot, 100% shut-off, fan time delay,
low-voltage thermostat, summer-winter switch

460V/60Hz/3 Ø POWER SHOWN



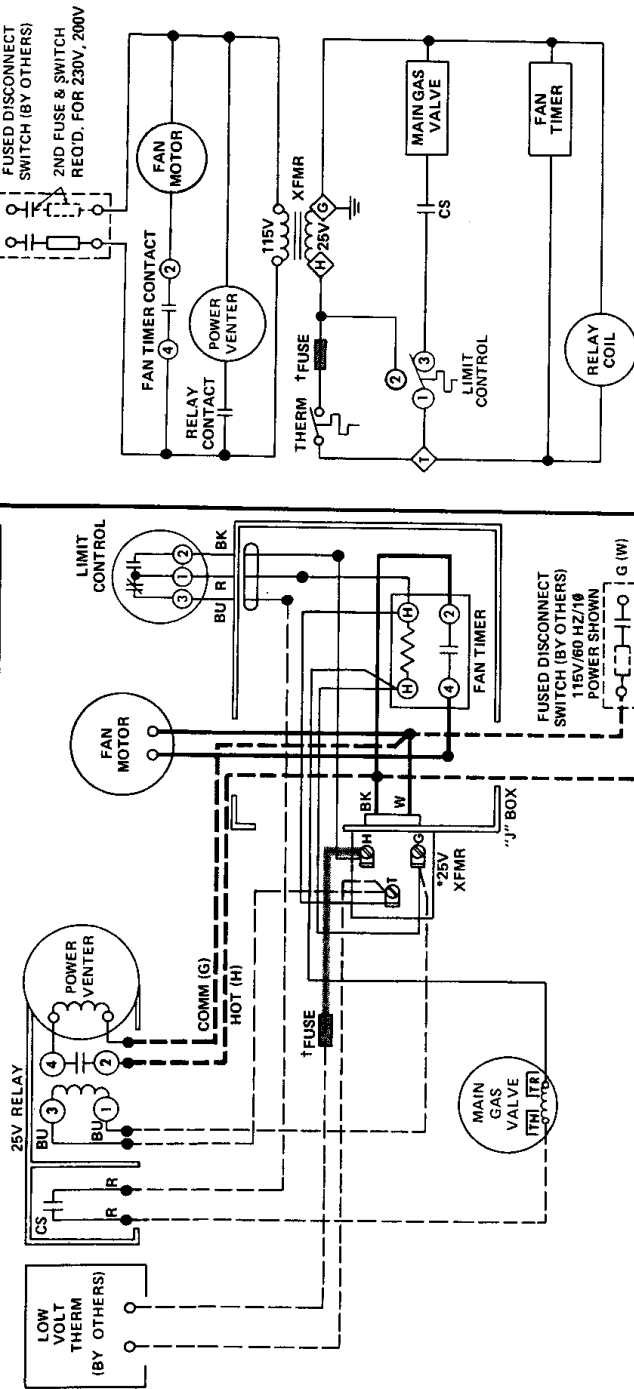
◇ INDICATES TRANSFORMER TERMINAL
† FOR CANADIAN UNITS ONLY

MODINE 6-430 WIRING DIAGRAM MODELS PA/BA

WIRING LEGEND

FACTORY	LINE	LOW
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.



◇ INDICATES TRANSFORMER TERMINAL
†FOR CANADIAN UNITS ONLY

NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.

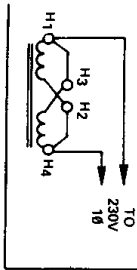
*ALTERNATE XFMR.
PRIMARY XFMR WIRES
230V/60HZ/10 - BK & Y/O R
200V/60HZ/10 - BK & R
WIRE NUT THE WIRE NOT USED
USE 105° C WIRE FOR REPLACEMENTS.
†FOR CANADIAN UNITS ONLY

8H6490B38 — Single-phase, standing pilot, 100% shut-off, fan time delay
low-voltage thermostat, low-voltage controlled power venter



MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

WITH 230V / 60 Hz/3Ø POWER SUPPLY
RECONNECT TRANSFORMER
PRIMARY AS SHOWN
FOR 230V / 115V

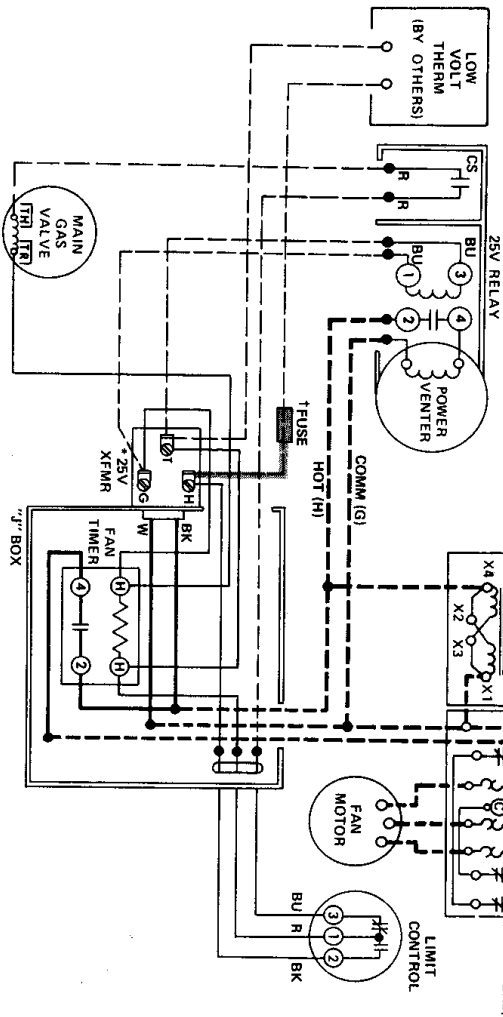


CAUTION
FAILURE TO WIRE THIS UNIT ACCORDING
TO THIS WIRING DIAGRAM MAY RESULT
IN INJURY TO THE INSTALLER OR USER.
FOR DEVIATIONS CONTACT THE FACTORY.

WIRING LEGEND	
FACTORY	LINE LOW
FIELD	---
WIRE NUT	•

480V / 60 Hz/3Ø POWER SHOWN
FUSED DISCONNECT SWITCH (BY OTHERS)

A 250 VA XFMR
480V/115V SHOWN
(BY OTHERS)



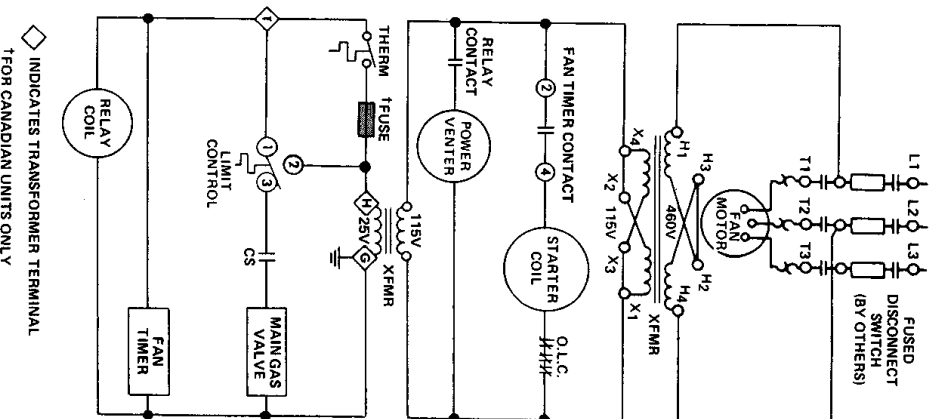
NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.
ALL WIRING MUST COMPLY WITH NATIONAL
ELECTRIC CODE AND ALL LOCAL CODES.
ALL COMPONENTS MUST AGREE WITH
THEIR RESPECTIVE POWER SOURCE.
USE 105° C WIRE FOR REPLACEMENTS.
†FOR CANADIAN UNITS ONLY

*ALTERNATE XFMR:
PRIMARY XFMR WIRES
230V/60Hz/1Ø — BK & R
200V/60Hz/1Ø — BK & R
WIRE NUT THE WIRE NOT USED

▲ TRANSFORMER NOT REQUIRED WITH 230V/3Ø
POWER SUPPLY AND 230V/25V CONTROL TRANSFORMER

8H6490B38 — Three-phase, standing pilot, 100% shut-off, fan time delay
low-voltage thermostat, low-voltage controlled power venter

480V/60Hz/3 Ø POWER SHOWN



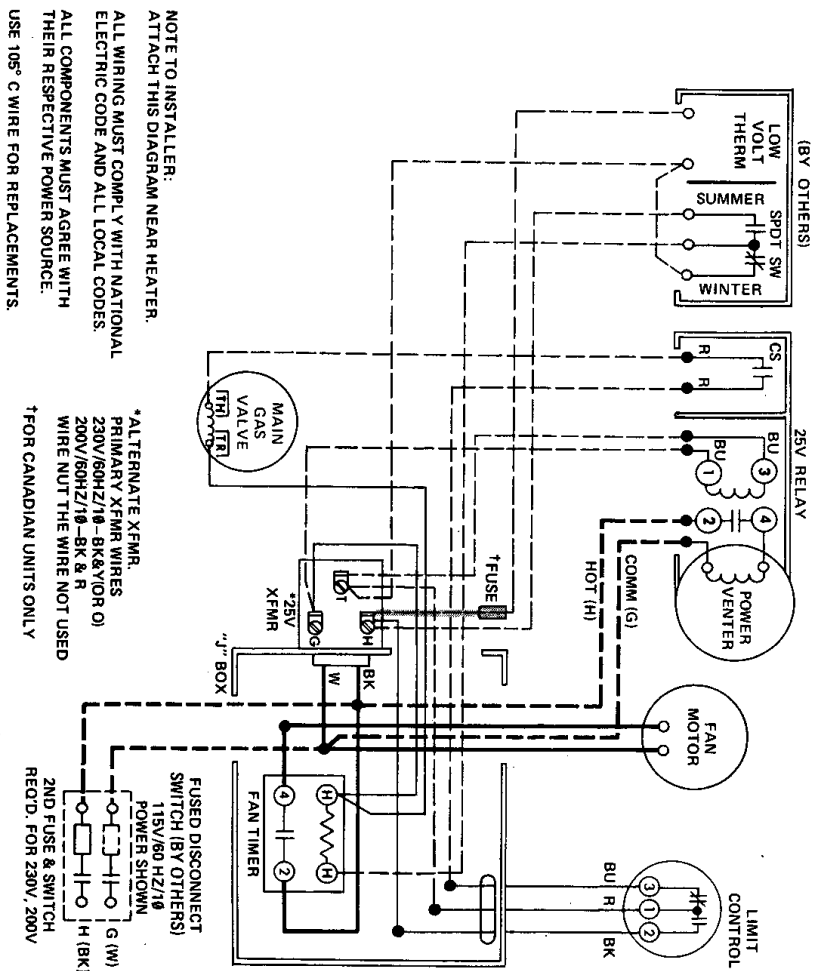
◇ INDICATES TRANSFORMER TERMINAL
†FOR CANADIAN UNITS ONLY



MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

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
FIELD	LOW
WIRE NUT	



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.

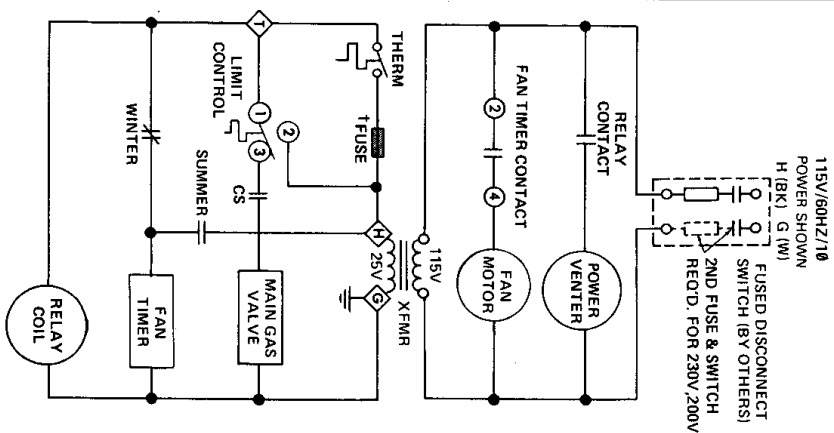
USE 105° C WIRE FOR REPLACEMENTS.

*ALTERNATE XFMR.
PRIMARY XFMR WIRES
230V/60HZ/1Ø - BK & R
200V/60HZ/1Ø - BK & R
WIRE NOT THE WIRE NOT USED
†FOR CANADIAN UNITS ONLY

FUSED DISCONNECT
SWITCH (BY OTHERS)
115V/60 HZ/1Ø
POWER SHOWN
G (W)
H (BK)
2ND FUSE & SWITCH
REQ'D. FOR 230V, 200V

8H6490B39 — Single-phase, standing pilot, 100% shut-off,

fan time delay, low-voltage thermostat, summer-winter switch,
low-voltage controlled power venter.

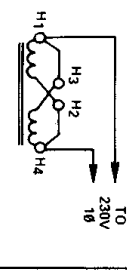


◇ INDICATES TRANSFORMER TERMINAL
†FOR CANADIAN UNITS ONLY



MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

WITH 230V /60 HZ/3Ø POWER SUPPLY
RECONNECT TRANSFORMER
PRIMARY AS SHOWN
FOR 230V /115V



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	●

460V /60 HZ/3Ø POWER SHOWN
FUSED DISCONNECT SWITCH (BY OTHERS)

L1 L2 L3

25V RELAY
460V/115V SHOWN
(BY OTHERS)

250 VA XFMR
460V/115V SHOWN
(BY OTHERS)

3 Ø STARTER
(BY OTHERS)

3 Ø STARTER
(BY OTHERS)

3 Ø STARTER
(BY OTHERS)

3 Ø STARTER
(BY OTHERS)

3 Ø STARTER
(BY OTHERS)

3 Ø STARTER
(BY OTHERS)

3 Ø STARTER
(BY OTHERS)

3 Ø STARTER
(BY OTHERS)

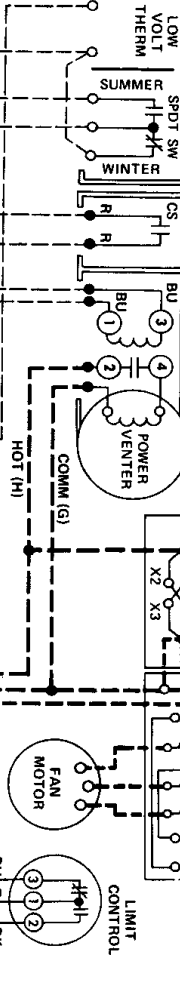
3 Ø STARTER
(BY OTHERS)

3 Ø STARTER
(BY OTHERS)

3 Ø STARTER
(BY OTHERS)

3 Ø STARTER
(BY OTHERS)

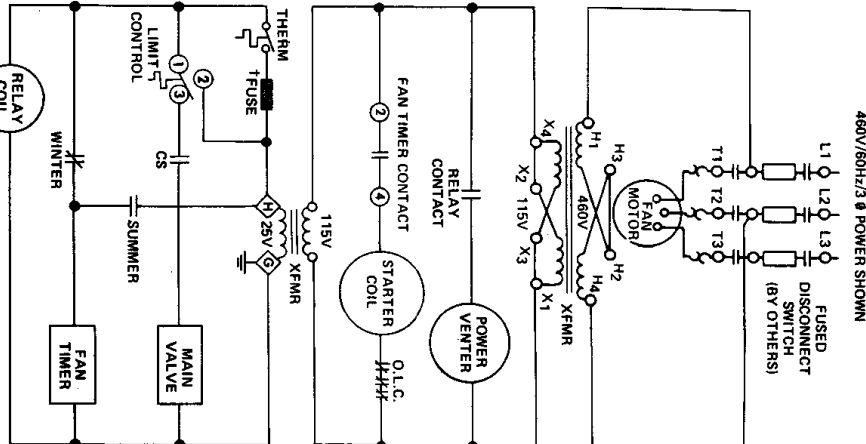
3 Ø STARTER
(BY OTHERS)



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/1Ø-BK&YGR O)
200V/60HZ/1Ø-BK & R
WIRE NUT THE WIRE NOT USED
† FOR CANADIAN UNITS ONLY
▲ TRANSFORMER NOT REQUIRED WITH 230V/3Ø
POWER SUPPLY AND 230V/25V CONTROL TRANSFORMER

8H6490B39 — Three-phase, standing pilot, 100% shut-off, fan time delay,
low-voltage thermostat, summer-winter switch,
low-voltage controlled power venter



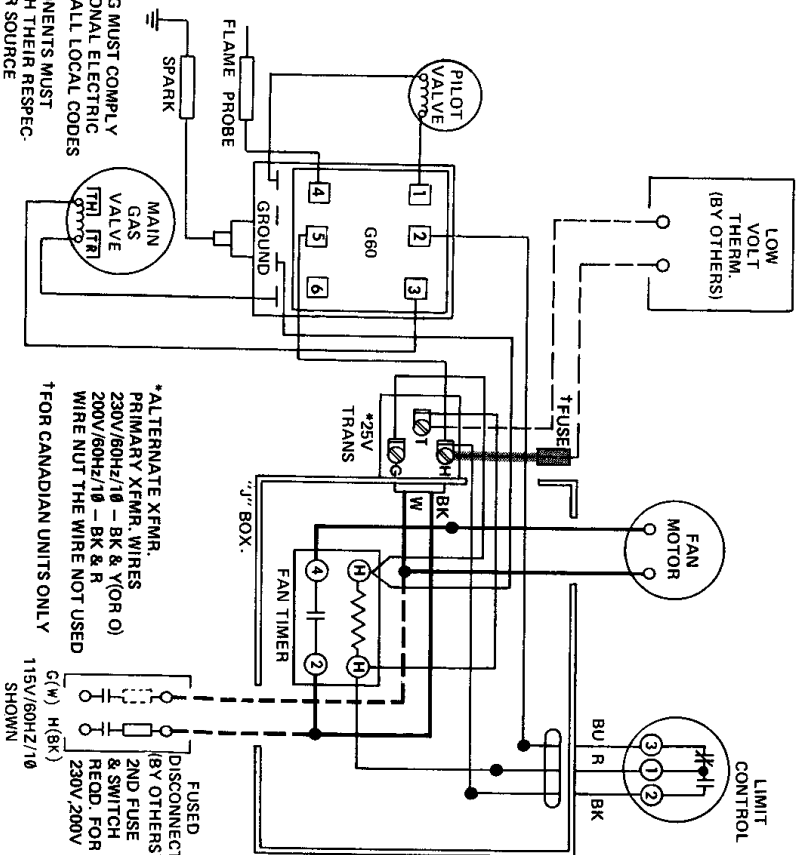
◇ INDICATES TRANSFORMER TERMINAL
† FOR CANADIAN UNITS ONLY



MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

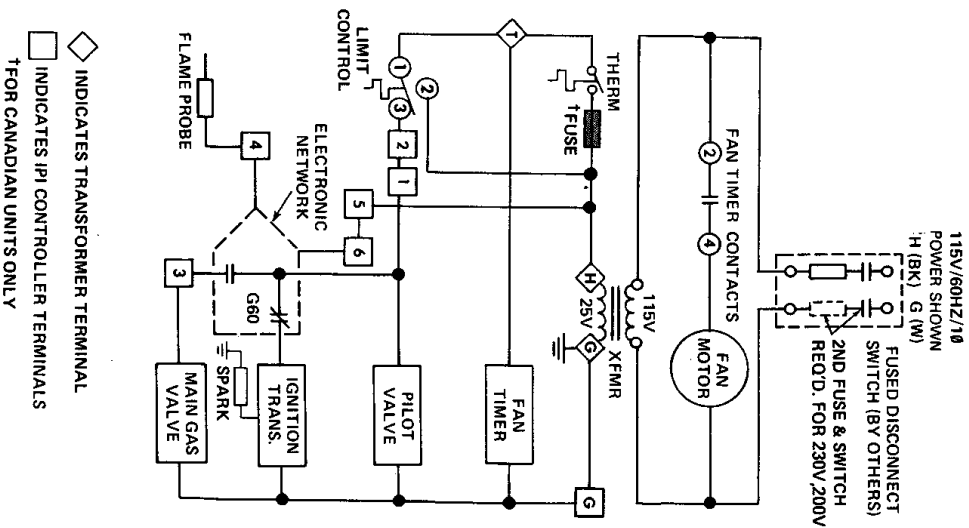
CAUTION
FAILURE TO WIRE THIS UNIT ACCORDING TO THIS WIRING DIAGRAM MAY RESULT IN INJURY TO THE INSTALLER OR USER. FOR DEVIATIONS CONTACT THE FACTORY.

WIRING LEGEND	
FACTORY	LINE
FIELD	LOW
WIRE NUT	



NOTE TO INSTALLER:
ATTACH THIS DIAGRAM
NEAR HEATER

5H70081B19 — Single-phase, intermittent pilot ignition, non-100% shut-off, fan-time delay, low-voltage thermostat. (Rev. B)

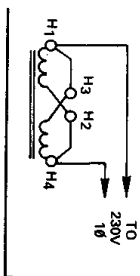


◇ INDICATES TRANSFORMER TERMINAL
□ INDICATES IPT CONTROLLER TERMINALS
† FOR CANADIAN UNITS ONLY



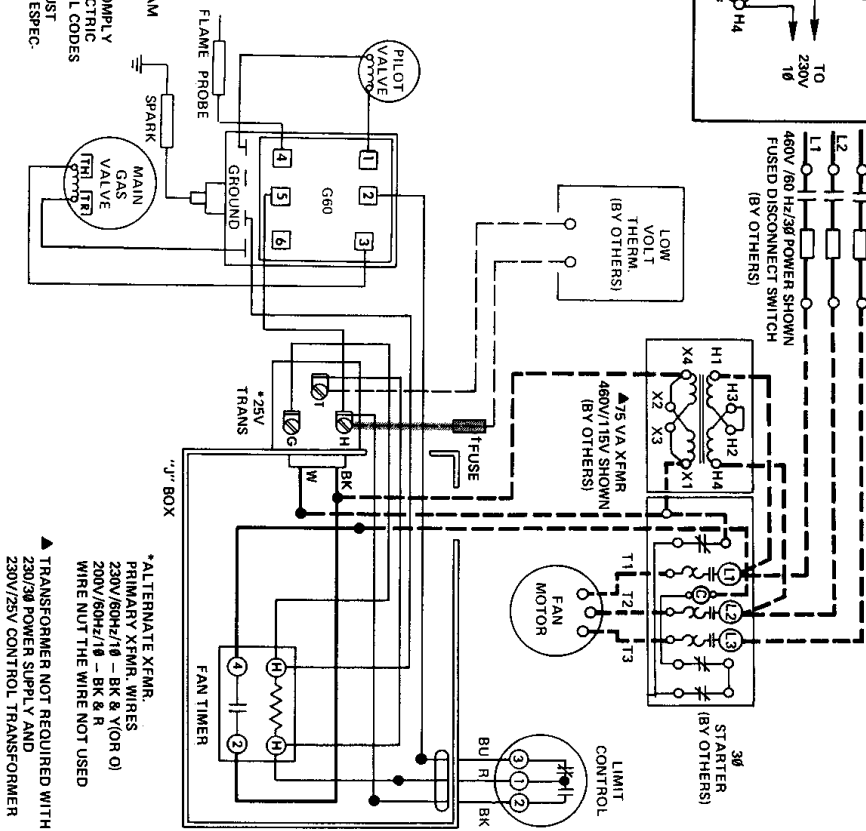
MOLDINE 6-430 WIRING DIAGRAM MODELS PA, BA

WITH 230V /60 HZ/3Ø POWER SUPPLY
RECONNECT TRANSFORMER
PRIMARY AS SHOWN
FOR 230V /115V



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.

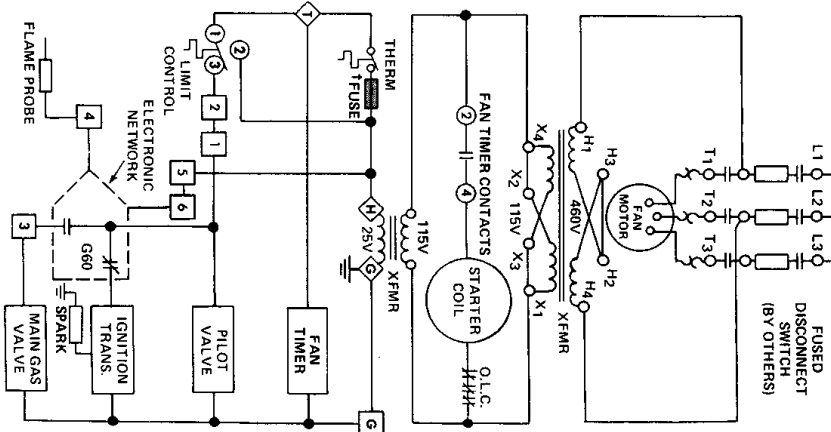
WIRING LEGEND	
FACTORY	LINE LOW
FIELD	---
WIRE NUT	—•—



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 RESPEC-
TIVE POWER SOURCE
USE 105° C WIRE FOR
REPLACEMENT
†FOR CANADIAN UNITS ONLY

SH70081B19 — Three-phase, intermittent pilot ignition, non-100% shut-off,
fan-time delay, low-voltage thermostat. (Rev. B)

460V /60 HZ/3Ø POWER SHOWN



◇ INDICATES TRANSFORMER TERMINAL
□ INDICATES PI CONTROLLER TERMINALS
†FOR CANADIAN UNITS ONLY



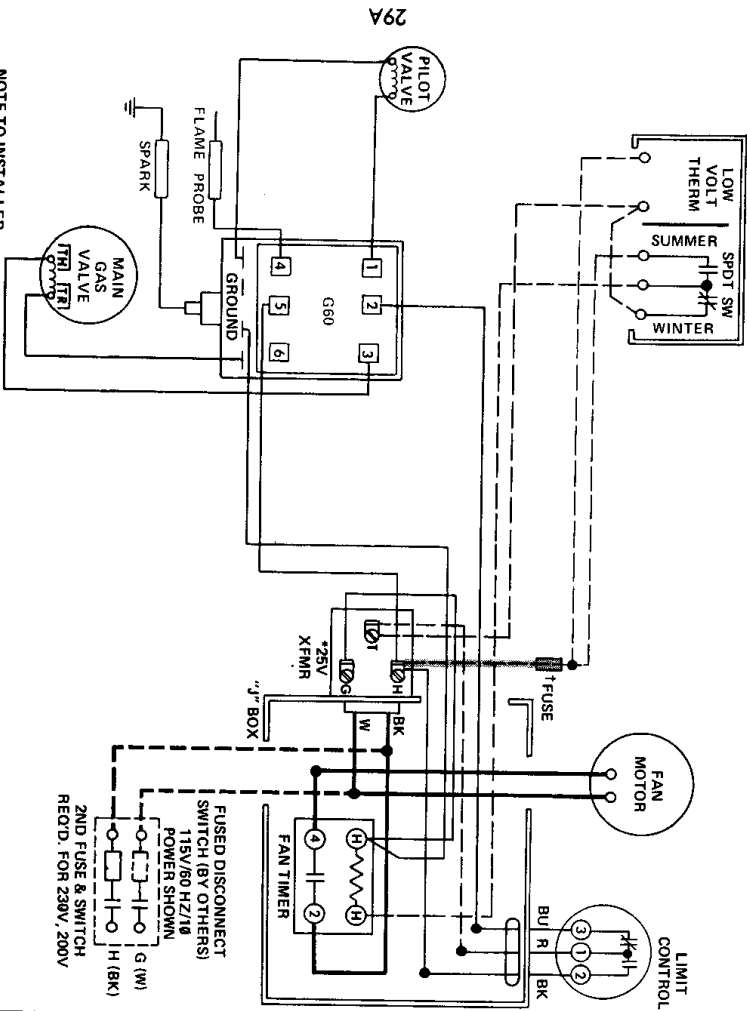
MODINE 6-430 WIRING DIAGRAM MODELS PA/BA

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
FIELD	LOW
WIRE NUT	

(BY OTHERS)

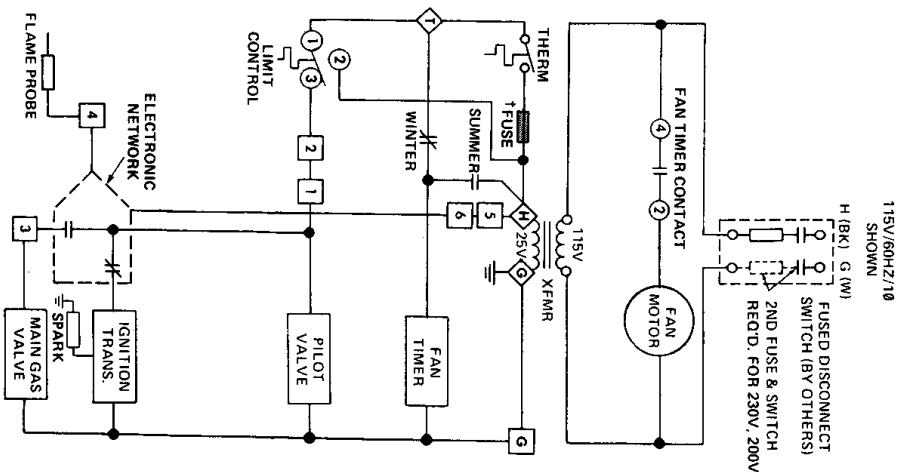


NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.

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)
200V/60HZ/10 - BK & R
WIRE NUT THE WIRE NOT USED
† FOR CANADIAN UNITS ONLY

8H6490840 - Single-Phase, intermittent pilot ignition, non-100% Shut-off,
fan time delay, low-voltage thermostat, summer-winter switch

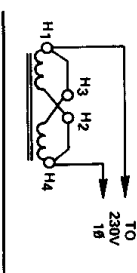


◇ INDICATES TRANSFORMER TERMINAL
□ INDICATES IP CONTROLLER TERMINAL
† FOR CANADIAN UNITS ONLY



MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

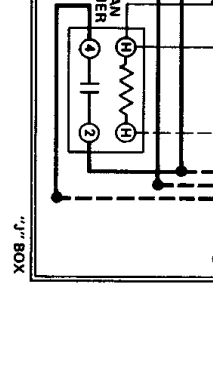
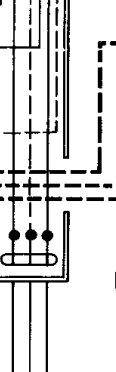
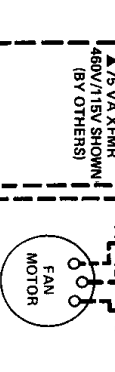
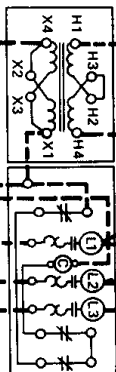
WITH 230V /60 Hz/3Ø POWER SUPPLY
RECONNECT TRANSFORMER
PRIMARY AS SHOWN
FOR 230V /115V



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
FIELD	LOW
WIRE NUT	

460V /60 Hz/3Ø POWER SHOWN
FUSED DISCONNECT SWITCH
(BY OTHERS)

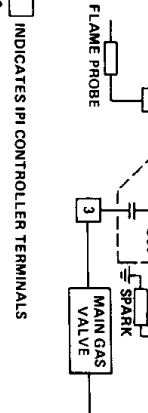
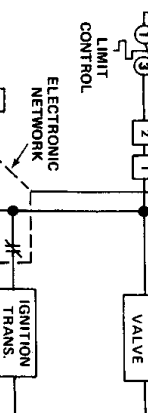
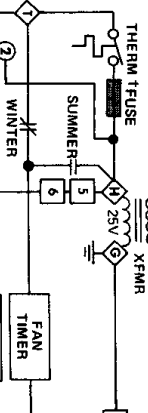
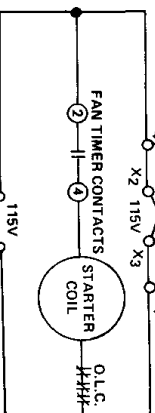
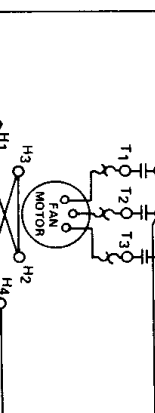
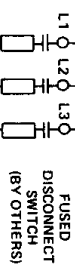


NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.
ALL WIRING MUST COMPLY WITH NATIONAL
ELECTRIC CODE AND ALL LOCAL CODES.
ALL COMPONENTS MUST AGREE WITH
THEIR RESPECTIVE POWER SOURCE.
USE 105° C WIRE FOR REPLACEMENTS.
†FOR CANADIAN UNITS ONLY

A TRANSFORMER NOT REQUIRED WITH 230V/3Ø
POWER SUPPLY AND 230V/25V CONTROL TRANSFORMER

8H6490B40 — Three-phase, intermittent pilot ignition, non-100% Shut-off,
fan time delay, low-voltage thermostat, summer-winter switch

460V /60 Hz/3Ø POWER SHOWN

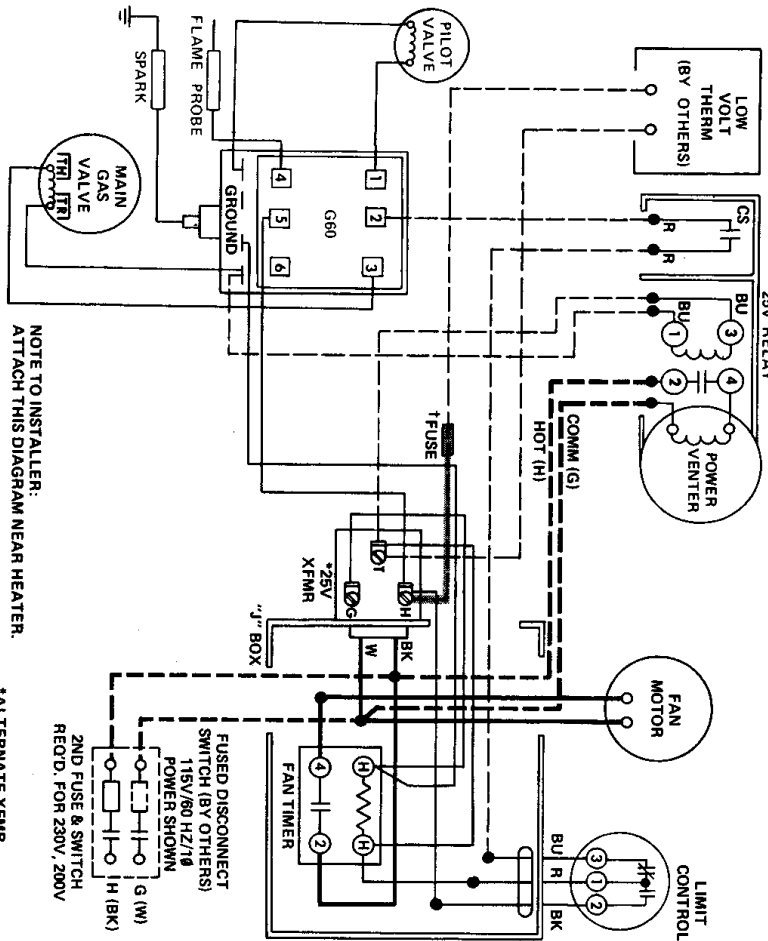


INDICATES IPT CONTROLLER TERMINALS
INDICATES TRANSFORMER TERMINAL
†FOR CANADIAN UNITS ONLY

MODINE 6-430 WIRING DIAGRAM MODELS PA/BA

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
FIELD	LOW
WIRE NUT	



NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.

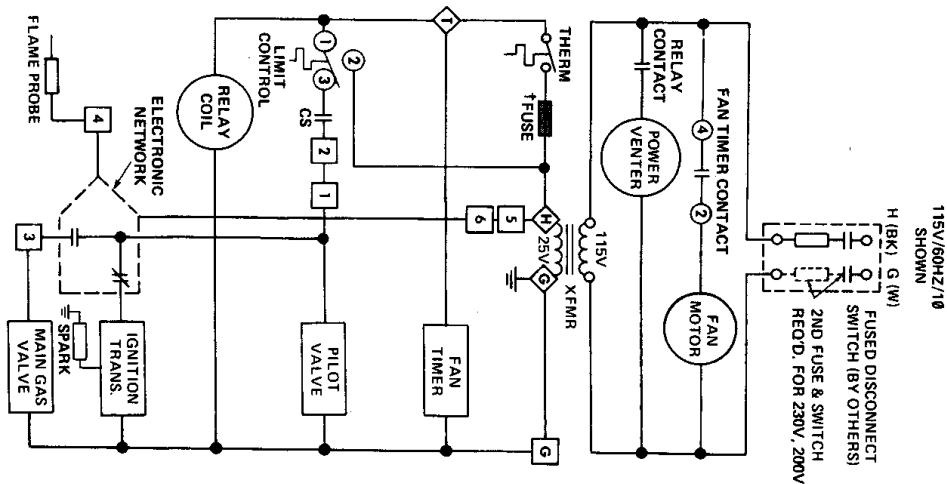
ALL WIRING MUST COMPLY WITH NATIONAL ELECTRIC CODE AND ALL LOCAL CODES.

ALL COMPONENTS MUST AGREE WITH THEIR RESPECTIVE POWER SOURCE.

USE 105° C WIRE FOR REPLACEMENTS.

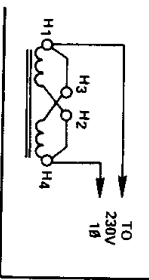
*ALTERNATE XFMR.
PRIMARY XFMR WIRES
230V/60HZ/1Ø -BK&R
200V/60HZ/1Ø -BK & R
WIRE NUT THE WIRE NOT USED
†FOR CANADIAN UNITS ONLY

8H6490B41 — Single-Phase, intermittent pilot ignition, non-100% Shut-off, fan time delay, low-voltage thermostat, low-voltage controlled power venter



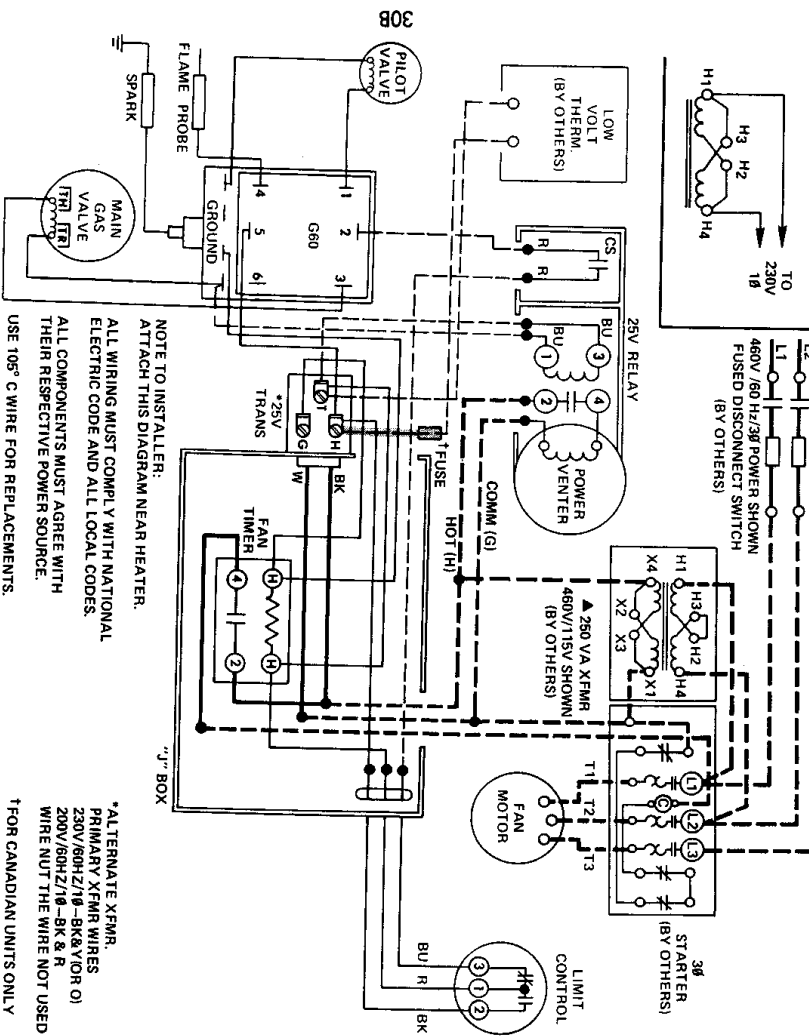
◇ INDICATES TRANSFORMER TERMINAL
†FOR CANADIAN UNITS ONLY

WITH 230V / 60 Hz/3Ø POWER SUPPLY
RECONNECT TRANSFORMER
PRIMARY AS SHOWN
FOR 230V /115V



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 FIELD WIRE NUT	LINE LOW — — — — - - - - — ● — —



NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.

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

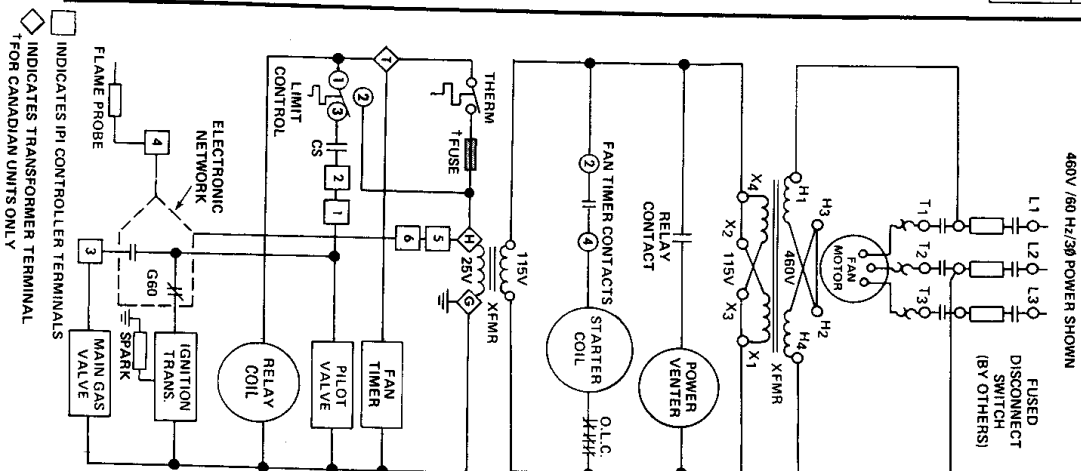
ALL COMPONENTS MUST AGREE WITH
THEIR RESPECTIVE POWER SOURCE.

USE 105° C WIRE FOR REPLACEMENTS.

*ALTERNATE XFMR.
PRIMARY XFMR WIRES
230V/60HZ/1Ø-B&G/YØR Ø
200V/60HZ/1Ø-BK & R
WIRE NUT THE WIRE NOT USED
†FOR CANADIAN UNITS ONLY

**▲ TRANSFORMER NOT REQUIRED WITH 230V/3Ø
POWER SUPPLY AND 230V/25V CONTROL TRANSFORMER**

8H6490B41 — Three-phase, intermittent pilot ignition, non-100% Shut-off, fan time delay, low-voltage thermostat, low-voltage controlled power venter



☐ INDICATES IPI CONTROLLER TERMINALS
☐ INDICATES TRANSFORMER TERMINAL
 *FOR CANADIAN UNITS ONLY

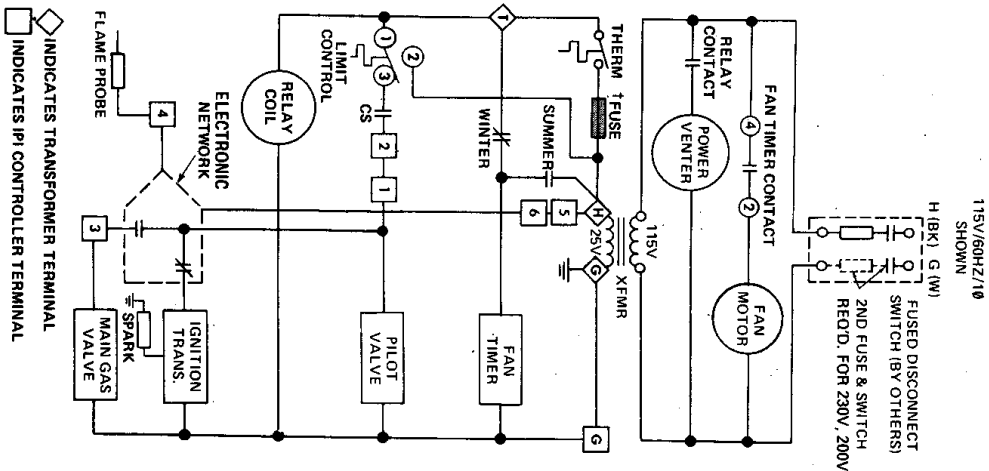
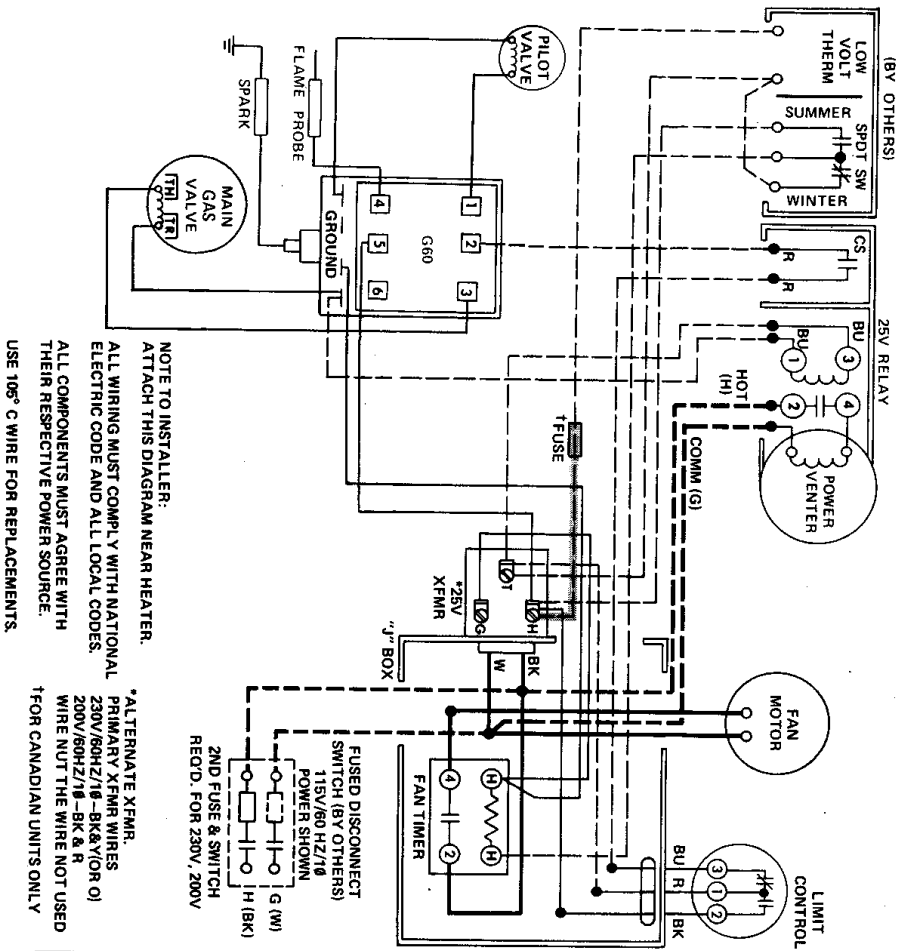


MODINE 6-430 WIRING DIAGRAM MODELS PA/BA

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.

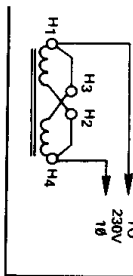
WIRING LEGEND	
FACTORY	LINE LOW
FIELD	---
WIRE NUT	•





MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

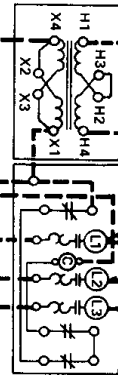
WITH 230V /60 HZ/3Ø POWER SUPPLY
RECONNECT TRANSFORMER
PRIMARY AS SHOWN
FOR 230V /115V



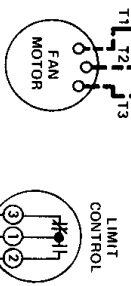
CAUTION
FAILURE TO WIRE THIS UNIT ACCORDING
TO THIS WIRING DIAGRAM MAY RESULT
IN INJURY TO THE INSTALLER OR USER.
FOR DEVIATIONS CONTACT THE FACTORY.

WIRING LEGEND	
FACTORY	LINE
FIELD	LOW
WIRE NUT	

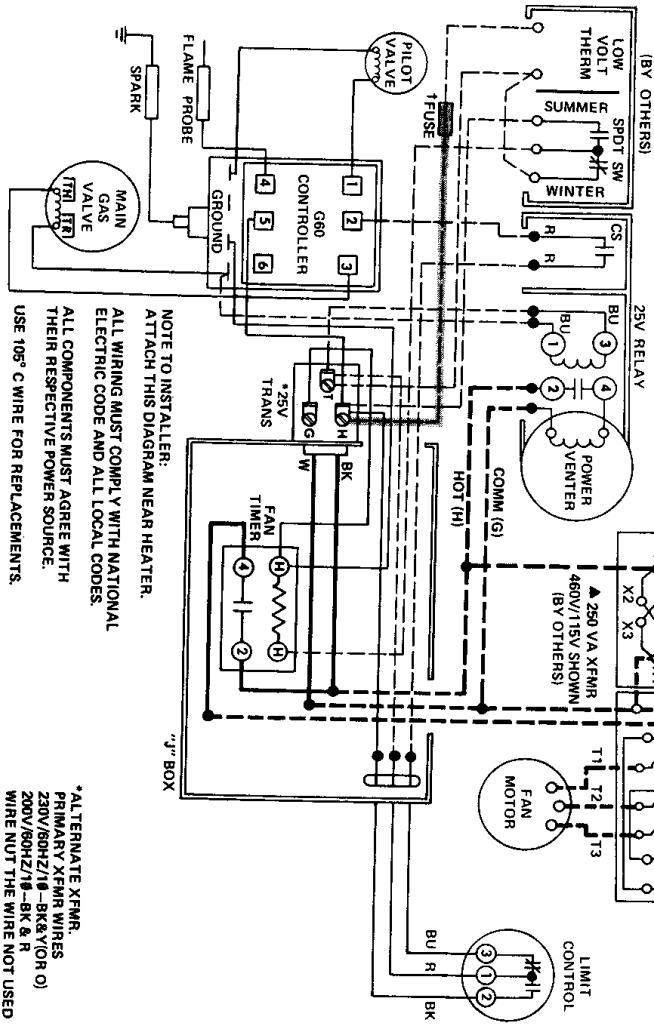
460V /60 HZ/3Ø POWER SHOWN
FUSED DISCONNECT SWITCH
(BY OTHERS)



250 VA XFMR
460V/115V SHOWN
(BY OTHERS)



30C

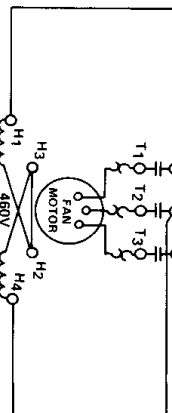
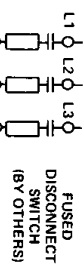


NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.
ALL WIRING MUST COMPLY WITH NATIONAL
ELECTRIC CODE AND ALL LOCAL CODES.
ALL COMPONENTS MUST AGREE WITH
THEIR RESPECTIVE POWER SOURCE.
USE 105° C WIRE FOR REPLACEMENTS.
†FOR CANADIAN UNITS ONLY

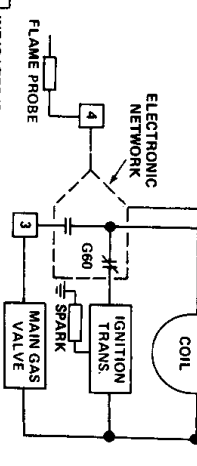
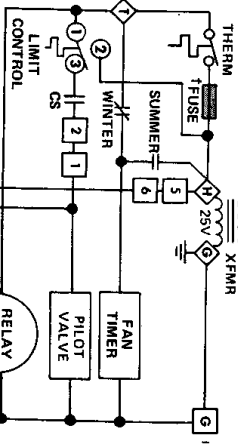
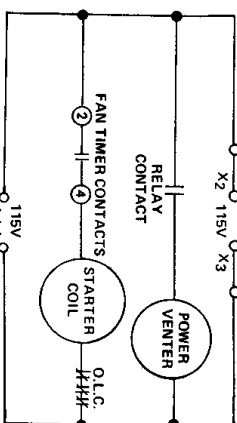
†TRANSFORMER NOT REQUIRED WITH 230V/3Ø
POWER SUPPLY AND 230V/25V CONTROL TRANSFORMER

8H6490842 — Three-phase, intermittent pilot ignition, non-100% Shut-off, fan time delay,
low-voltage thermostat, summer-winter switch, low-voltage controlled power venter

460V /60 HZ/3Ø POWER SHOWN



250 VA XFMR
460V/115V SHOWN
(BY OTHERS)



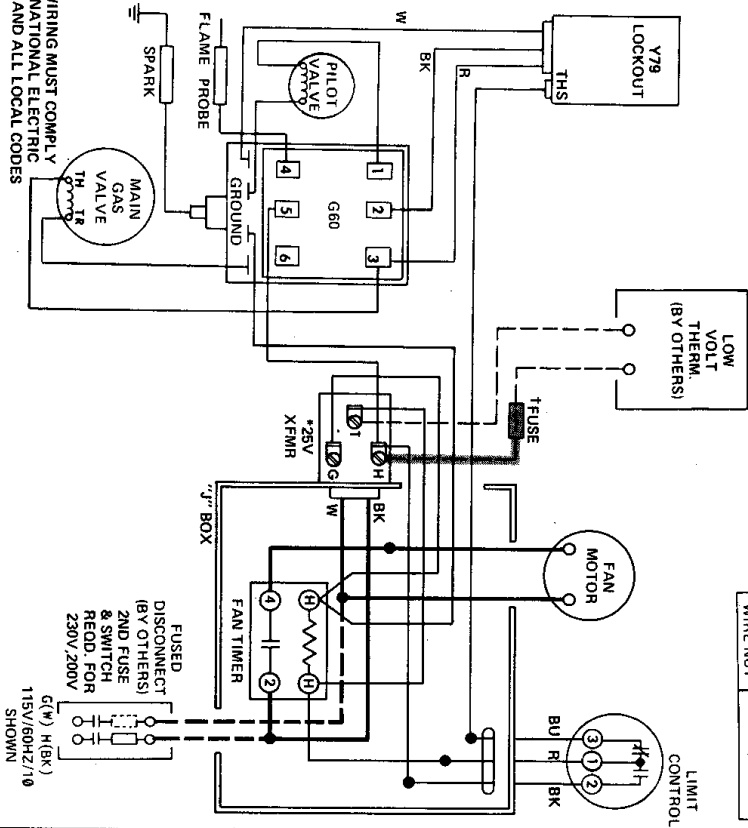
INDICATES IPT CONTROLLER TERMINALS
†FOR CANADIAN UNITS ONLY



MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

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	•



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

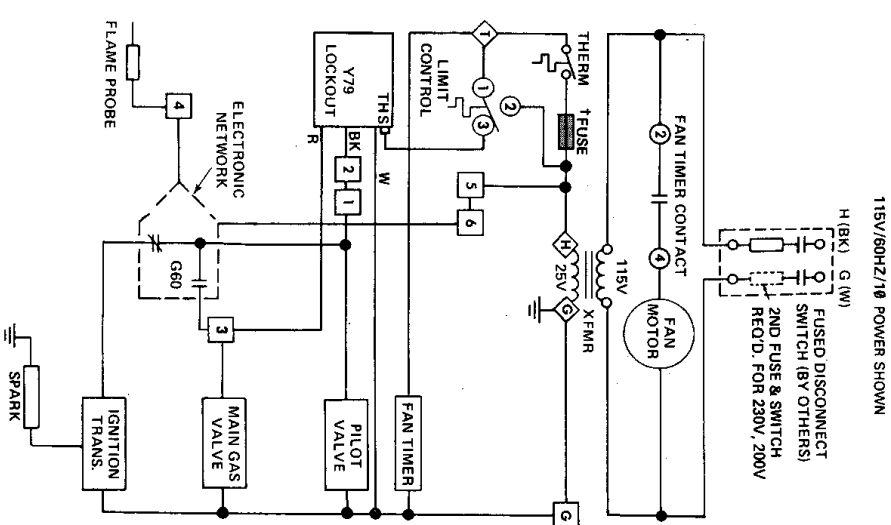
ALL COMPONENTS MUST AGREE WITH THEIR RESPECTIVE POWER SOURCE:

USE 105°C WIRE FOR REPLACEMENT

NOTE TO INSTALLER: ATTACH THIS DIAGRAM NEAR HEATER.

*ALTERNATE XFMR. PRIMARY XFMR. WIRES 230V/60Hz/1Ø - BK & Y (OR O) 200V/60Hz/1Ø - BK & R WIRE NUT THE WIRE NOT USED †FOR CANADIAN UNITS ONLY

SH70081B23 — Single-phase, intermittent pilot ignition, 100% shut-off, fan-time delay, low-voltage thermostat. (Rev. B)

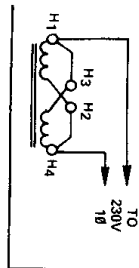


INDICATES IPT CONTROLLER TERMINAL

†FOR CANADIAN UNITS ONLY

MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

WITH 230V /60 Hz/3Ø POWER SUPPLY
RECONNECT TRANSFORMER
PRIMARY AS SHOWN
FOR 230V /115V

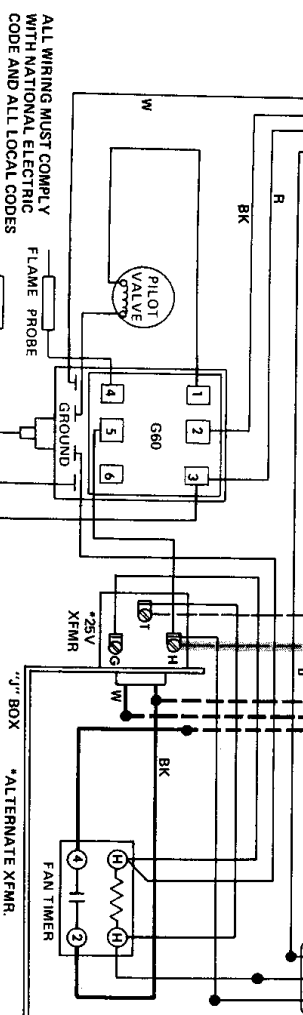
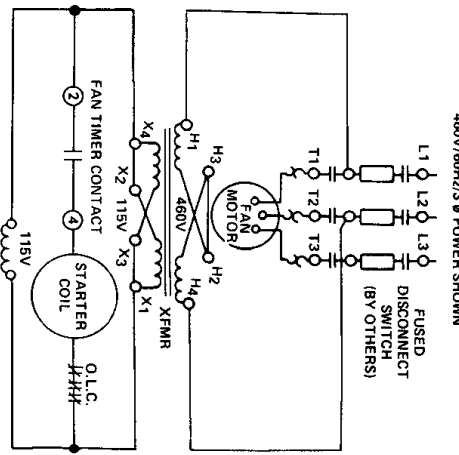
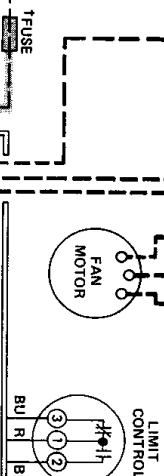
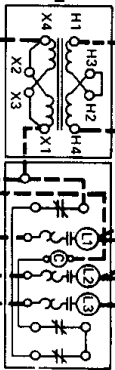


CAUTION
FAILURE TO WIRE THIS UNIT ACCORDING
TO THIS WIRING DIAGRAM MAY RESULT
IN INJURY TO THE INSTALLER OR USER.
FOR DEVIATIONS CONTACT THE FACTORY.

WIRING LEGEND	
LINE	LOW
FACTORY	FIELD
WIRE NUT	

480V /60 Hz/3Ø POWER SHOWN
FUSED DISCONNECT SWITCH (BY OTHERS)

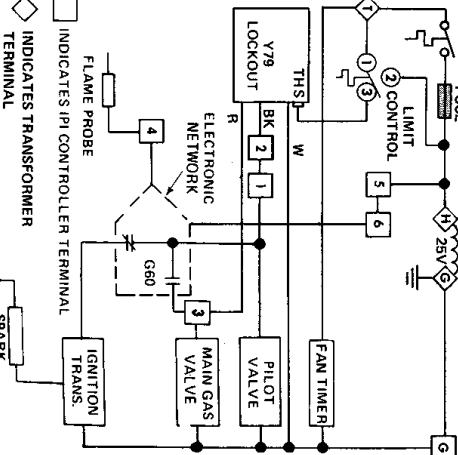
475VA XFMR
480V/115V SHOWN
(BY OTHERS)



ALL WIRING MUST COMPLY
WITH NATIONAL ELECTRIC
CODE AND ALL LOCAL CODES
ALL COMPONENTS MUST
AGREE WITH THEIR RESPEC-
TIVE POWER SOURCE.
USE 105°C WIRE FOR
REPLACEMENT
NOTE TO INSTALLER:
ATTACH THIS DIAGRAM
NEAR HEATER.

FOR CANADIAN UNITS ONLY 5H70081B23

Three-phase, intermittent pilot ignition, 100% shut-off,
fan-time delay, low-voltage thermostat. (Rev. B)



INDICATES TRANSFORMER
TERMINAL

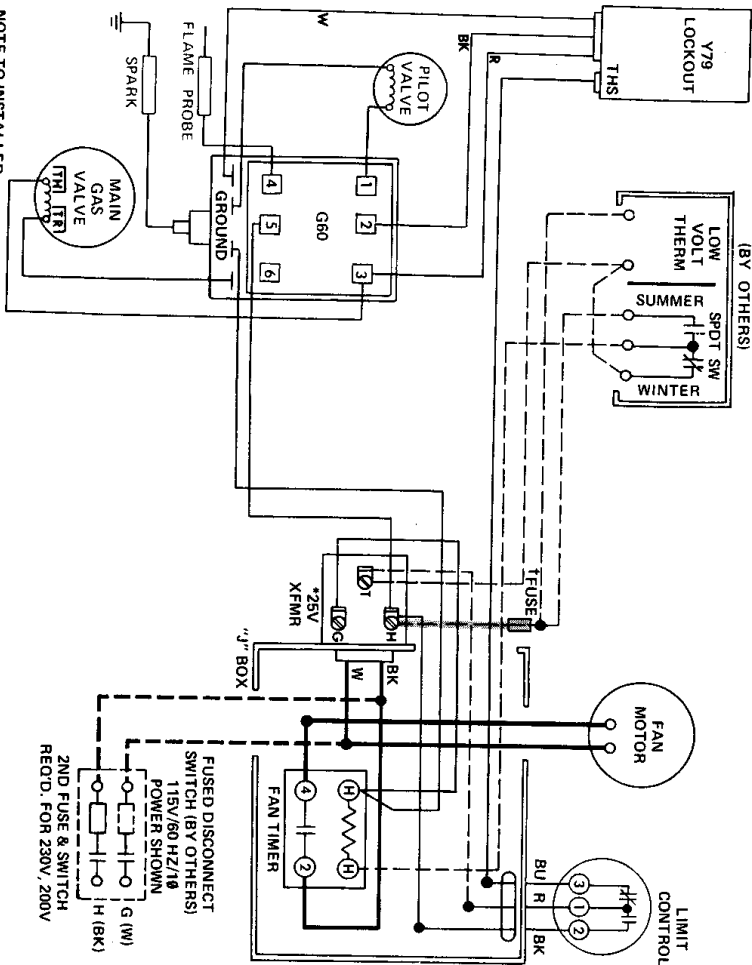
FOR CANADIAN UNITS ONLY



MODINE 6-430 WIRING DIAGRAM MODELS PA/BA

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	—•—

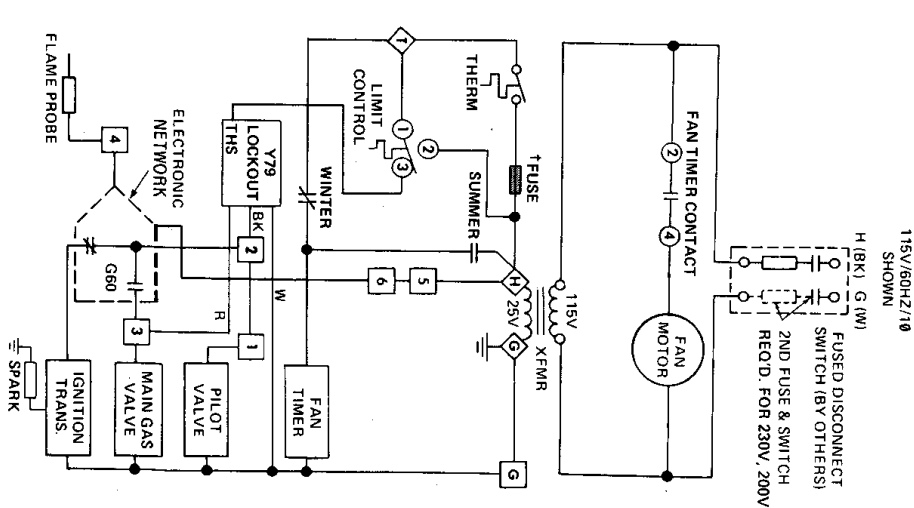


NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.
ALL WIRING MUST COMPLY WITH NATIONAL
ELECTRIC CODE AND ALL LOCAL CODES.
ALL COMPONENTS MUST AGREE WITH
THEIR RESPECTIVE POWER SOURCE.
USE 105° C WIRE FOR REPLACEMENTS.

8H6490B43 — Single-Phase, intermittent pilot ignition, 100% shut-off,
fan time delay, low-voltage thermostat, summer-winter switch

†FOR CANADIAN UNITS ONLY

*ALTERNATE XFMR.
PRIMARY XFMR WIRES
230V/60HZ/1Ø —BK&Y/OR O)
200V/60HZ/1Ø —BK & R
WIRE NUT THE WIRE NOT USED

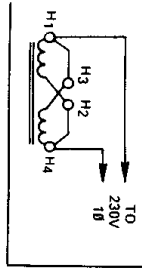


◇ INDICATES TRANSFORMER TERMINAL
□ INDICATES IPI CONTROLLER TERMINAL
†FOR CANADIAN UNITS ONLY



MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

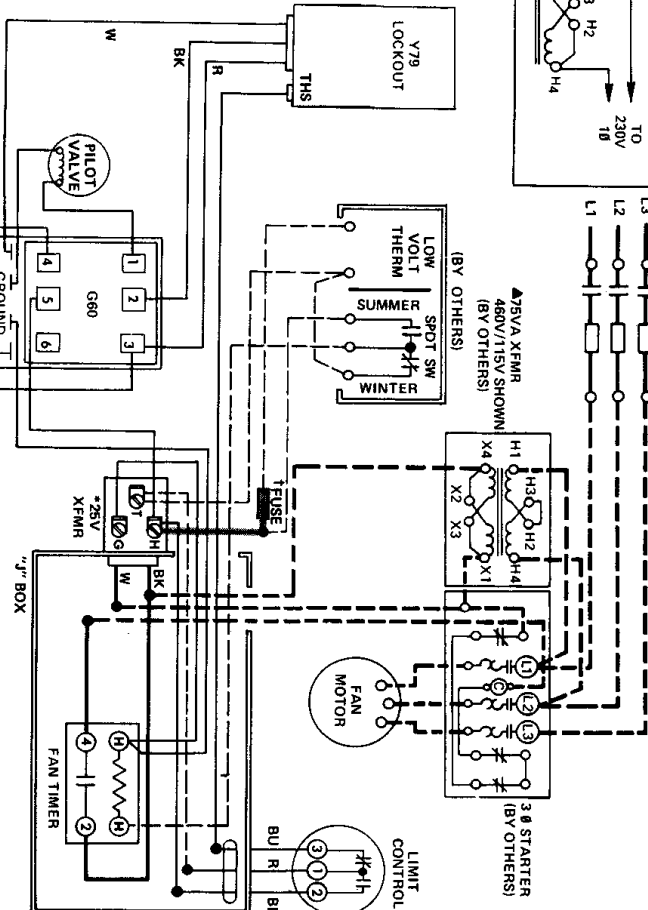
WITH 230V / 60 Hz/3Ø POWER SUPPLY
RECONNECT TRANSFORMER
PRIMARY AS SHOWN
FOR 230V / 115V



480V / 60 Hz/3Ø POWER SHOWN
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.

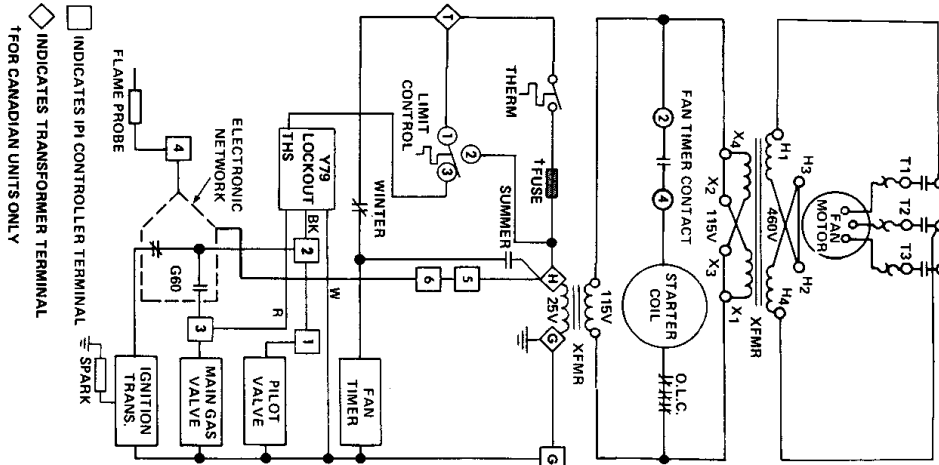
WIRING LEGEND	
FACTORY	LINE LOW
FIELD	---
WIRE NUT	•



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.

8H6490B43 — Three-phase, intermittent pilot ignition, 100% shut-off,
fan time delay, low-voltage thermostat, summer-winter switch
1 FOR CANADIAN UNITS ONLY

480V/60Hz/3 Ø POWER SHOWN



INDICATES IPT CONTROLLER TERMINAL
INDICATES TRANSFORMER TERMINAL
1 FOR CANADIAN UNITS ONLY

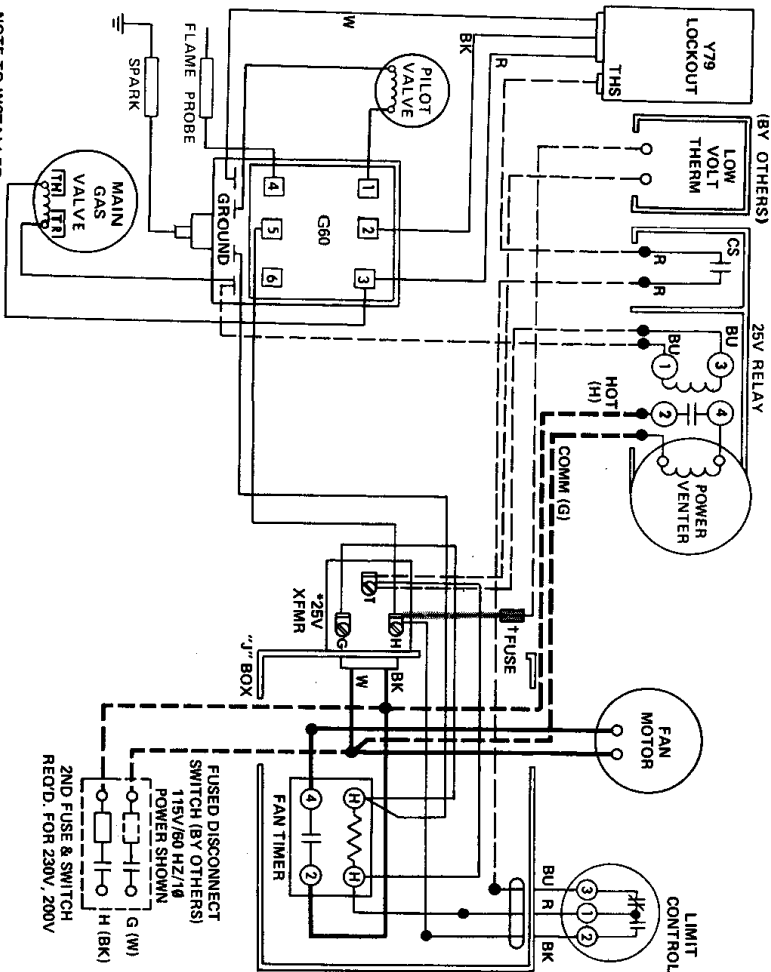


MODINE 6-430 WIRING DIAGRAM MODELS PA/BA

CAUTION

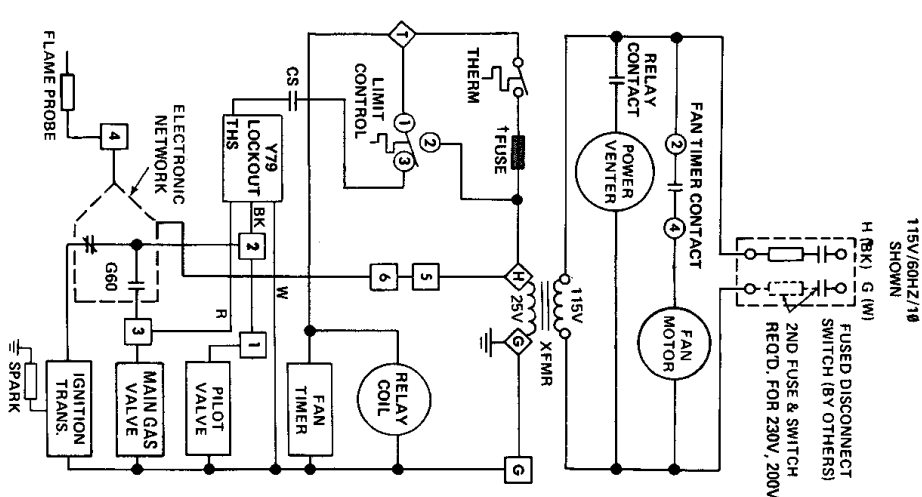
FAILURE TO WIRE THIS UNIT ACCORDING TO THIS WIRING DIAGRAM MAY RESULT IN INJURY TO THE INSTALLER OR USER. FOR DEVIATIONS CONTACT THE FACTORY.

WIRING LEGEND	
FACTORY	LINE
FIELD	LOW
WIRE NUT	



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.

8H6490B44 — Single-Phase, intermittent pilot ignition, 100% shut-off, fan time delay, low-voltage thermostat, low-voltage controlled power venter



◇ INDICATES TRANSFORMER TERMINAL
□ INDICATES IPT CONTROLLER TERMINAL
† FOR CANADIAN UNITS ONLY

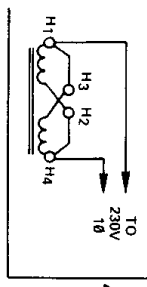


MOLDINE 6-430 WIRING DIAGRAM MODELS PA, BA

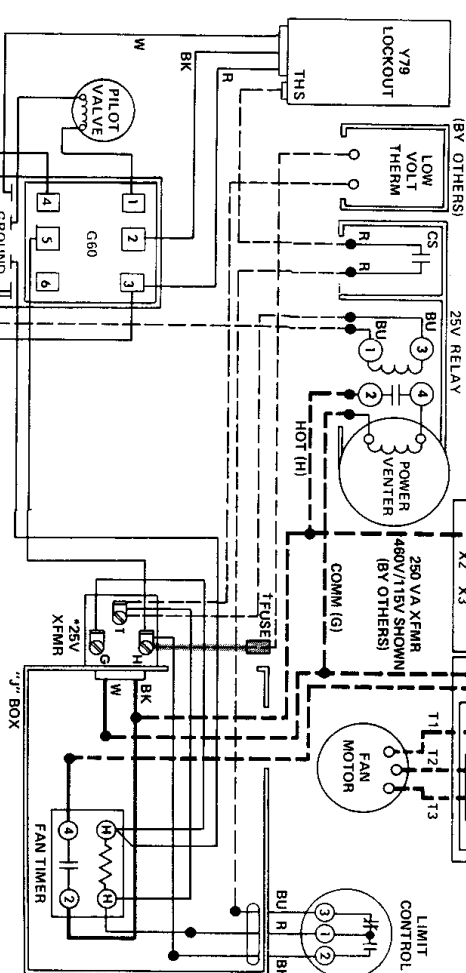
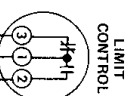
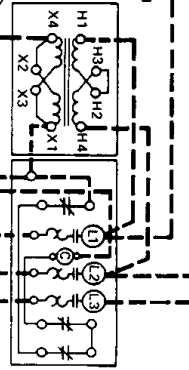
CAUTION
FAILURE TO WIRE THIS UNIT ACCORDING
TO THIS WIRING DIAGRAM MAY RESULT
IN INJURY TO THE INSTALLER OR USER.
FOR DEVIATIONS CONTACT THE FACTORY.

WIRING LEGEND	
FACTORY	LINE
FIELD	LOW
WIRE NUT	

WITH 230V / 60 Hz/3Ø POWER SUPPLY
RECONNECT TRANSFORMER
PRIMARY AS SHOWN
FOR 230V / 115V



460V / 60 Hz/3Ø POWER SHOWN
FUSED DISCONNECT SWITCH
(BY OTHERS)



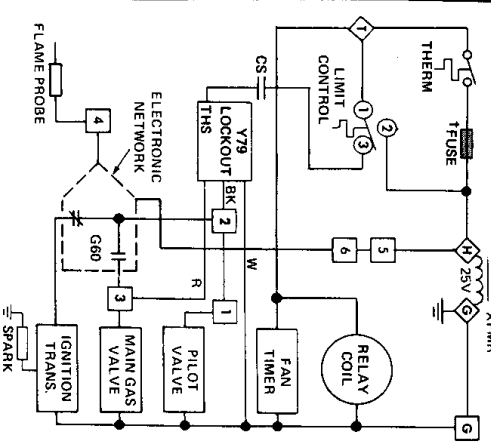
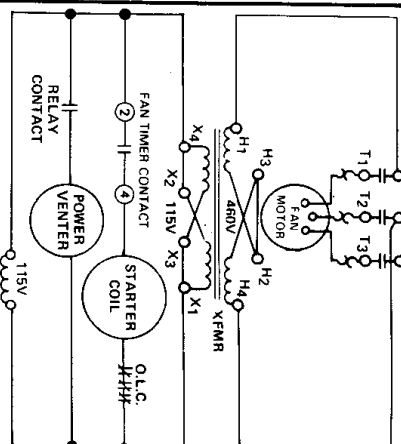
NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.
ALL WIRING MUST COMPLY WITH NATIONAL
ELECTRIC CODE AND ALL LOCAL CODES.
ALL COMPONENTS MUST AGREE WITH
THEIR RESPECTIVE POWER SOURCE.
USE 105° C WIRE FOR REPLACEMENTS.

*ALTERNATE XFMR.
PRIMARY XFMR WIRES
230V/60Hz/1Ø—BK & R
200V/60Hz/1Ø—BK & R
WIRE NUT THE WIRE NOT USED
†FOR CANADIAN UNITS ONLY

8H6490844 — Three-phase, intermittent pilot ignition, 100% shut-off, fan time delay,
low-voltage thermostat, low-voltage controlled power venter.

460V / 60 Hz/3Ø POWER SHOWN

FUSED
DISCONNECT
SWITCH
(BY OTHERS)



□ INDICATES PI CONTROLLER TERMINAL
◇ INDICATES TRANSFORMER TERMINAL
†FOR CANADIAN UNITS ONLY

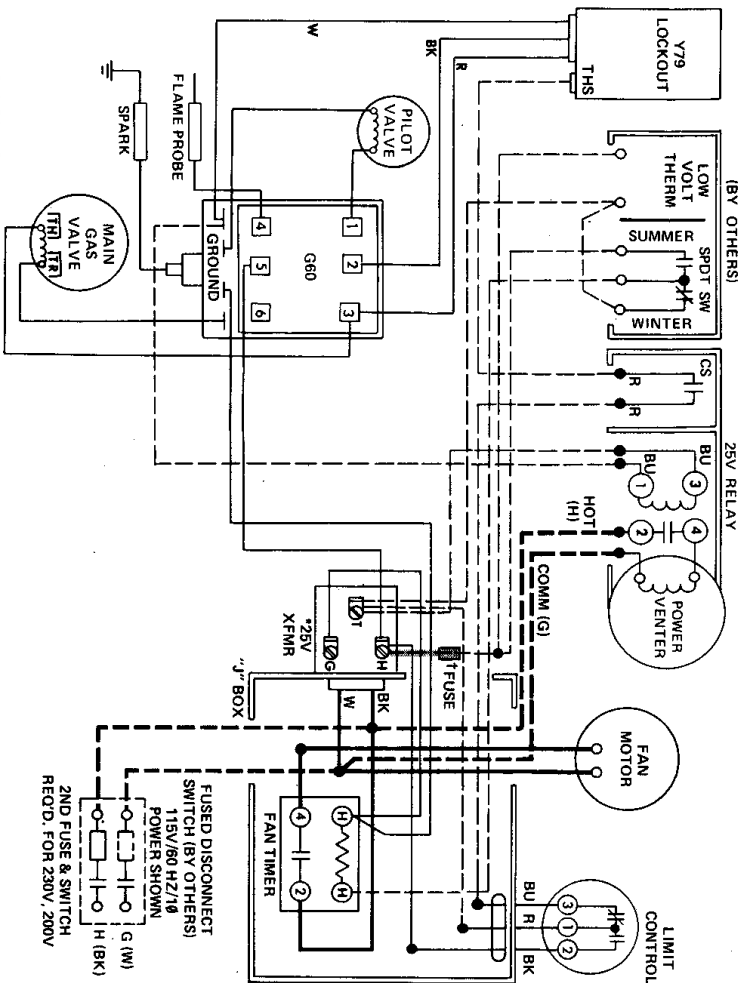


MODEL 6-430 WIRING DIAGRAM MODELS PA/BA

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	
LINE	LOW
FACTORY	
FIELD	
WIRE NUT	



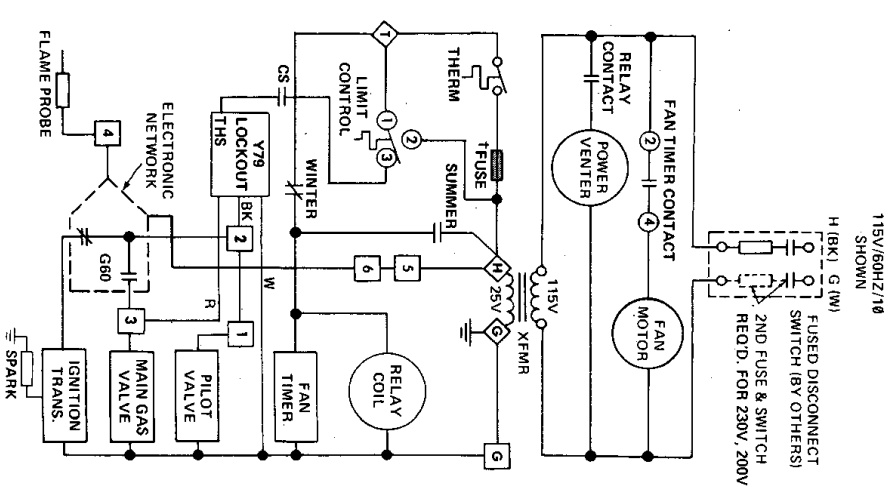
NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.

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.

8H6490B45 - Single-Phase, intermittent pilot ignition, 100% shut-off, fan time delay,
low-voltage thermostat, summer-winter switch, low-voltage controlled power venter



*ALTERNATE XFMR,
230V/60HZ/18-BK&Y(O)
200V/60HZ/18-BK&R
WIRE NOT THE WIRE NOT USED
†FOR CANADIAN UNITS ONLY

◇ INDICATES TRANSFORMER TERMINAL
□ INDICATES PI CONTROLLER TERMINAL
†FOR CANADIAN UNITS ONLY

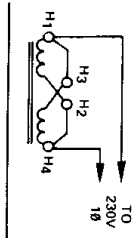


MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

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.

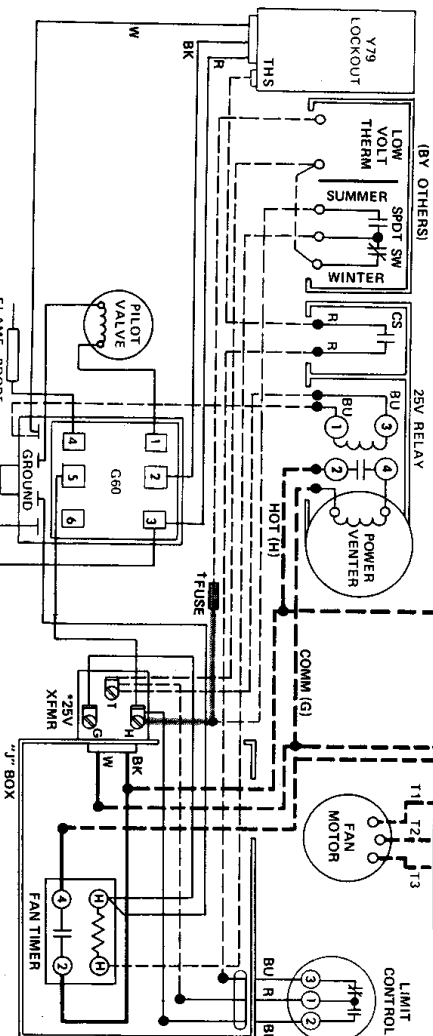
WIRING LEGEND	
FACTORY	LINE
FIELD	LOW
WIRE NUT	

WITH 230V / 60 Hz/3Ø POWER SUPPLY
RECONNECT TRANSFORMER
PRIMARY AS SHOWN
FOR 230V / 115V



460V / 60 Hz/3Ø POWER SHOWN
FUSED DISCONNECT SWITCH
(BY OTHERS)

250 VA XFMR
480V/115V SHOWN
(BY OTHERS)



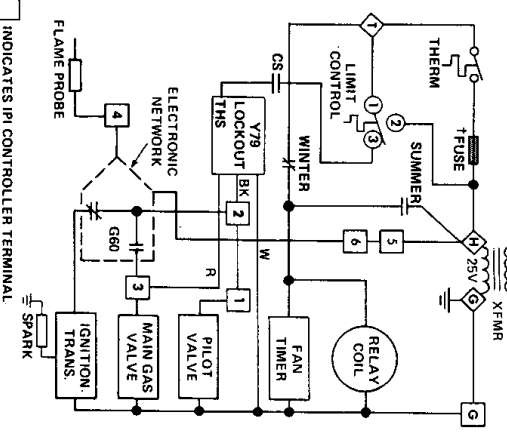
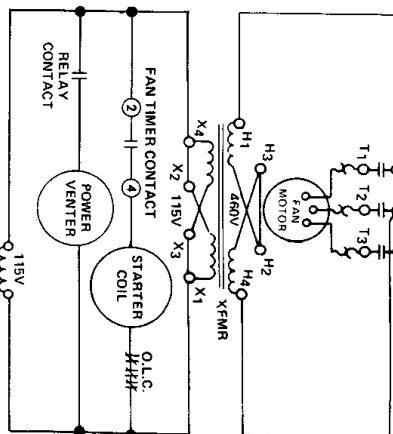
NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.
ALL WIRING MUST COMPLY WITH NATIONAL
ELECTRIC CODE AND ALL LOCAL CODES.
ALL COMPONENTS MUST AGREE WITH
THEIR RESPECTIVE POWER SOURCE.
USE 105°C WIRE FOR REPLACEMENT.

*ALTERNATE XFMR.
PRIMARY XFMR WIRES
230V/60Hz/1Ø-BK&YGR O)
200V/60Hz/1Ø-BK & R
WIRE NUT THE WIRE NOT USED
FOR CANADIAN UNITS ONLY

8H6490845 — Three-phase, intermittent pilot ignition, 100% shut-off, fan time delay, low-voltage thermostat, summer-winter switch, low-voltage controlled power venter

460V / 60 Hz/3Ø POWER SHOWN

FUSED
DISCONNECT
SWITCH
(BY OTHERS)



INDICATES IPT CONTROLLER TERMINAL.
INDICATES TRANSFORMER TERMINAL
FOR CANADIAN UNITS ONLY

CAUTION

WIRING LEGEND

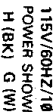


USE 105°C WIRE FOR REPLACEMENT

PRIMARY XFMR. WIRES
230V/60HZ/1Ø - BK & Y((
200V/50HZ/1Ø BK & P

DISCONNECT
(BY OTHERS)

fan-time delay, low-voltage thermostat. (Rev. B)



REQ'D. FOR 230V, 2000V

INDICATES IPI CONTROLLER TERMINALS

†FOR CANADIAN UNITS ONLY

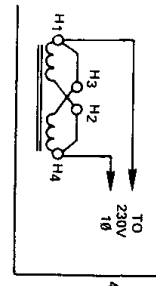
MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

CAUTION

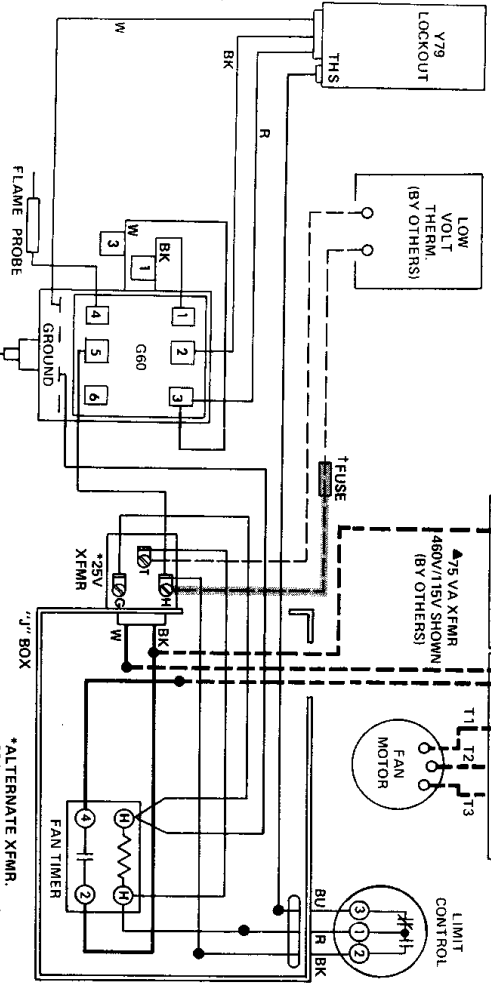
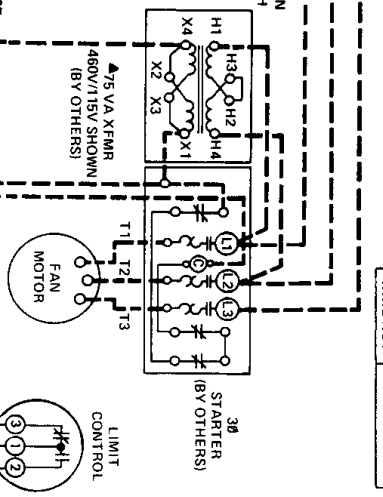
FAILURE TO WIRE THIS UNIT ACCORDING TO THIS WIRING DIAGRAM MAY RESULT IN INJURY TO THE INSTALLER OR USER. FOR DEVIATIONS CONTACT THE FACTORY.

WIRING LEGEND	
FACTORY	—
FIELD	- - -
WIRE NUT	•

WITH 230V /60 HZ/3Ø POWER SUPPLY RECONNECT TRANSFORMER PRIMARY AS SHOWN FOR 230V /115V



480V /60 HZ/3Ø POWER SHOWN FUSED DISCONNECT SWITCH (BY OTHERS)



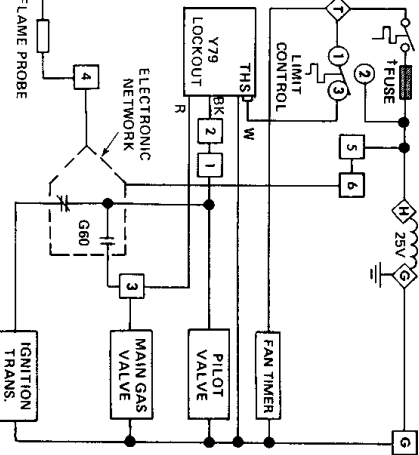
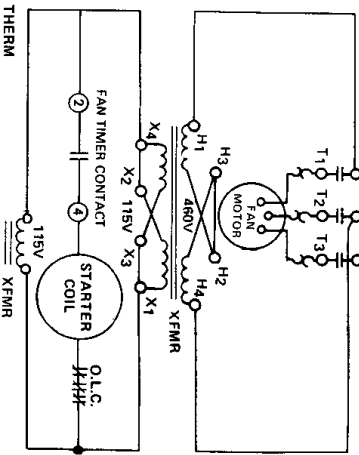
ALL WIRING MUST COMPLY WITH NATIONAL ELECTRIC CODE AND ALL LOCAL CODES. ALL COMPONENTS MUST AGREE WITH THEIR RESPECTIVE POWER SOURCE.

USE 105°C WIRE FOR REPLACEMENT. NOTE TO INSTALLER: ATTACH THIS DIAGRAM NEAR HEATER.

5H70081B24 — Three-phase, intermittent pilot ignition, 100% shut-off, fan-time delay, low-voltage thermostat. (Rev. B)

480V /60 HZ/3Ø POWER SHOWN

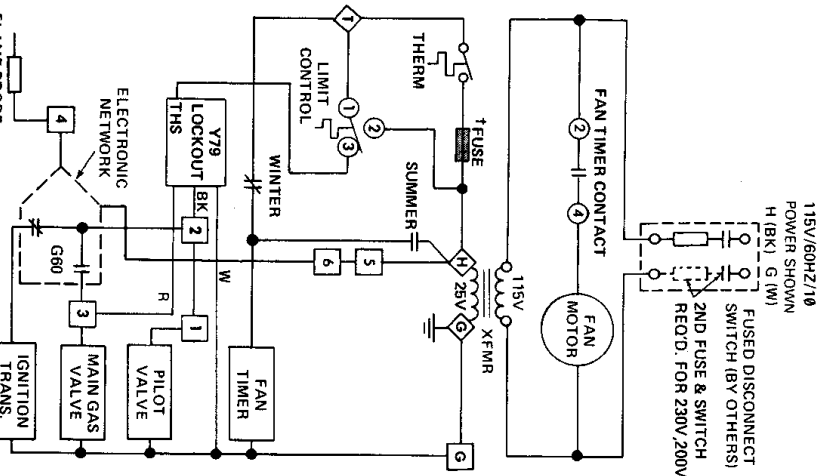
FUSED DISCONNECT SWITCH (BY OTHERS)



INDICATES IP1 CONTROLLER TERMINALS. INDICATES TRANSFORMER TERMINAL. T FOR CANADIAN UNITS ONLY.

MOODINE 6-430 WIRING DIAGRAM MODELS PA, BA

WIRING LEGEND	
FACTORY	LINE LOW
FIELD	---
WIRE NUT	—●—



*ALTERNATE XFMR.
PRIMARY XFMR WIRES
230V/60HZ/1Ø-BK&Y/OR Ø
200V/60HZ/1Ø-BK & R
WIRE NUT THE WIRE NOT USED
FOR CANADIAN UNITS ONLY

†FOR CANADIAN UNITS ONLY

fan time delay, low-voltage thermostat, summer-winter switch

†FOR CANADIAN UNITS ONLY

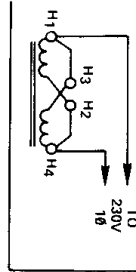
☐ INDICATES IPI CONTROLLER TERMINAL

†FOR CANADIAN UNITS ONLY



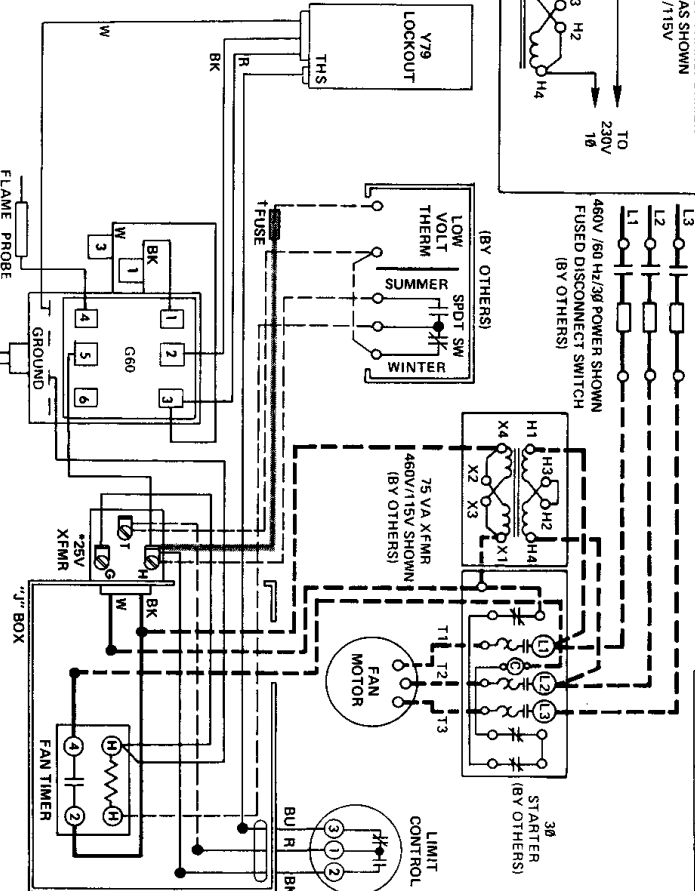
MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

WITH 230V / 60 Hz/3Ø POWER SUPPLY
RECONNECT TRANSFORMER
PRIMARY AS SHOWN
FOR 230V / 115V



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
	---	---
	---	---
	---	---



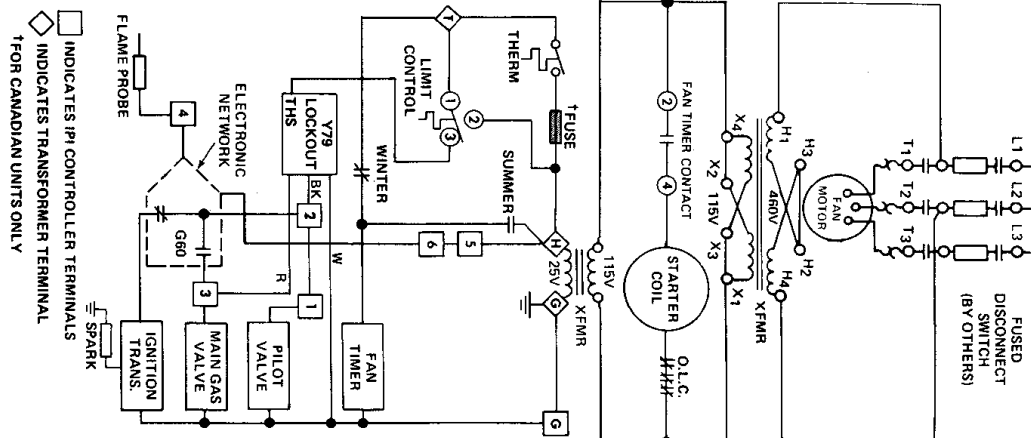
NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.
ALL WIRING MUST COMPLY WITH NATIONAL
ELECTRIC CODE AND ALL LOCAL CODES.
ALL COMPONENTS MUST AGREE WITH
THEIR RESPECTIVE POWER SOURCE.

USE 105° C WIRE FOR REPLACEMENTS.

8H64S0846 — Three-phase, intermittent pilot ignition, 100% shut-off,
fan time delay, low-voltage thermostat, summer-winter switch.

*ALTERNATE XFMR.
PRIMARY XFMR WIRES
230V/60Hz/3Ø, BK & Y OR O
200V/60Hz/3Ø, BK & R
WIRE NOT THE WIRE NOT USED
†FOR CANADIAN UNITS ONLY

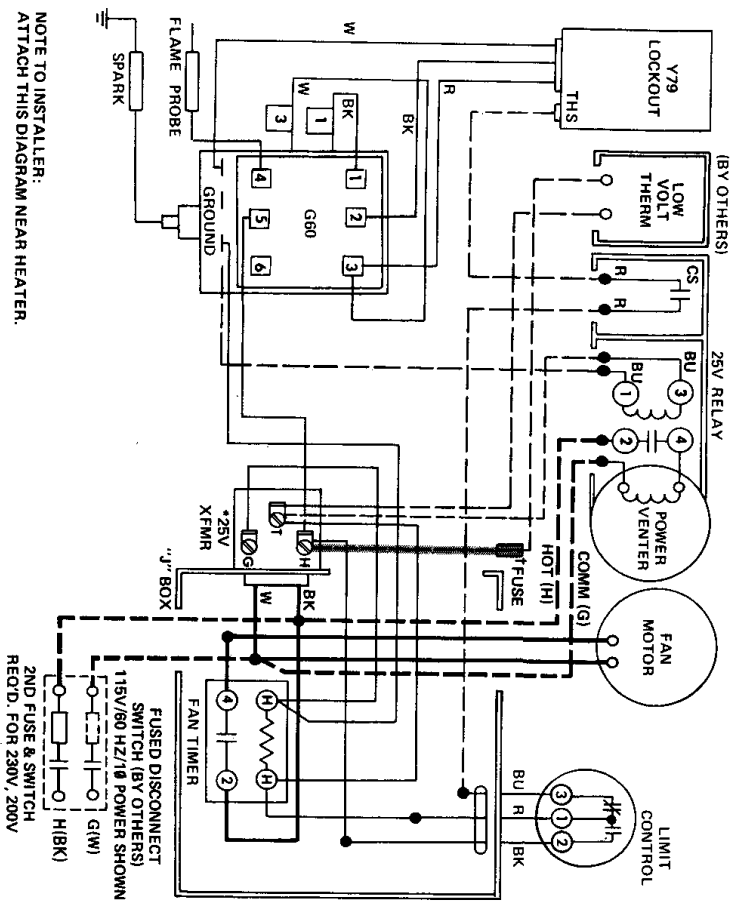
480V / 60 Hz/3Ø POWER SHOWN



MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

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.

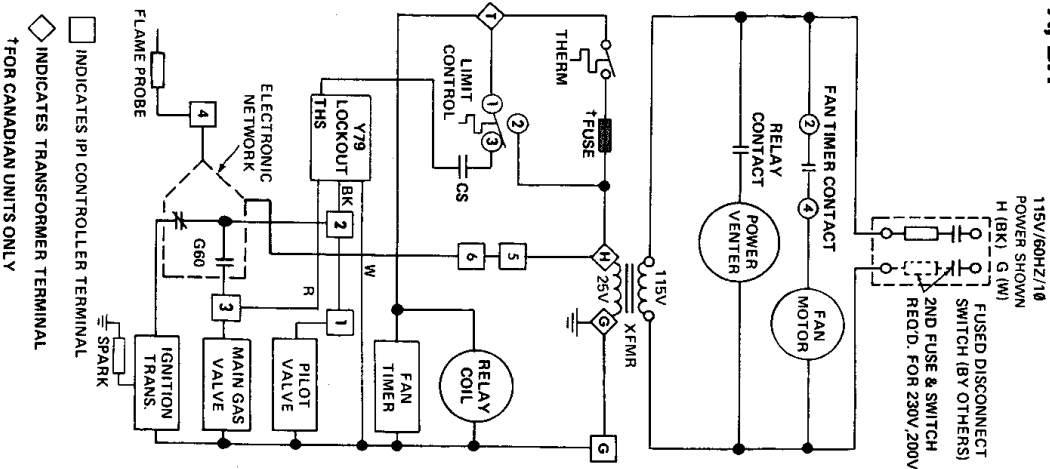
WIRING LEGEND	
LINE	LOW
FACTORY	FIELD
WIRE NUT	



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.

*ALTERNATE XFMR.
PRIMARY XFMR WIRES
230V/60HZ/1Ø -BK&YOR O)
200V/60HZ/1Ø -BK & R
WIRE NOT THE WIRE NOT USED
†FOR CANADIAN UNITS ONLY

8H6490847 — Single-phase, intermittent pilot ignition, 100% shut-off, fan time delay, low-voltage thermostat, low-voltage controlled power venter

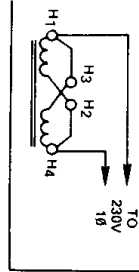


□ INDICATES IPT CONTROLLER TERMINAL
◇ INDICATES TRANSFORMER TERMINAL
†FOR CANADIAN UNITS ONLY



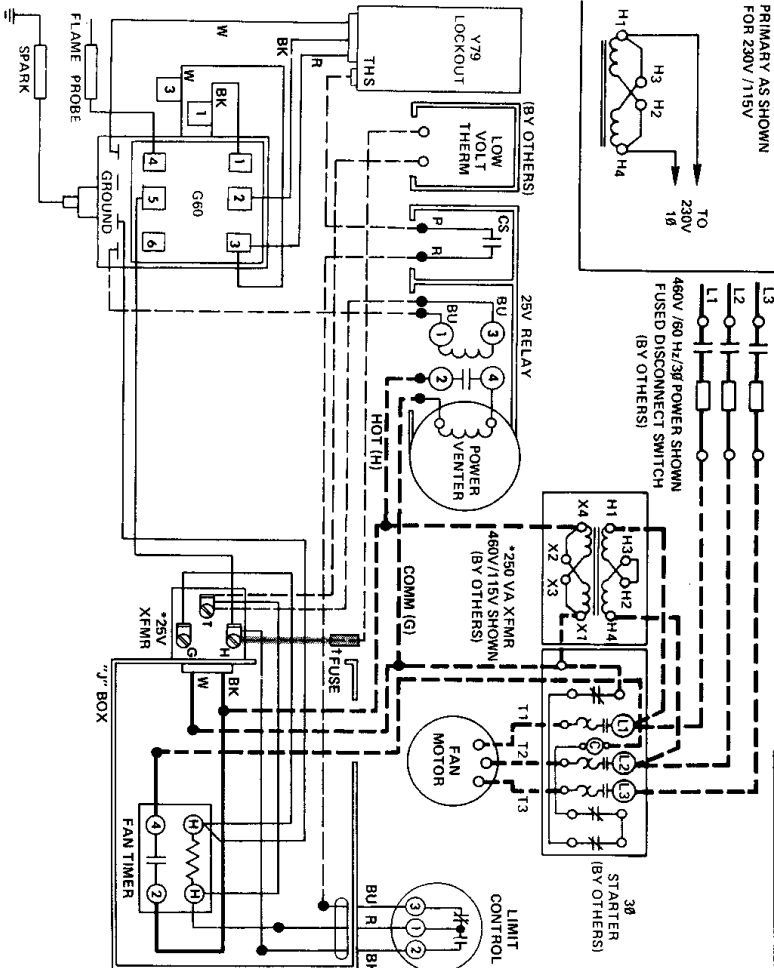
MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

WITH 230V /60 Hz/3Ø POWER SUPPLY
RECONNECT TRANSFORMER
PRIMARY AS SHOWN
FOR 230V /115V



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
FIELD	LOW
WIRE MUT	

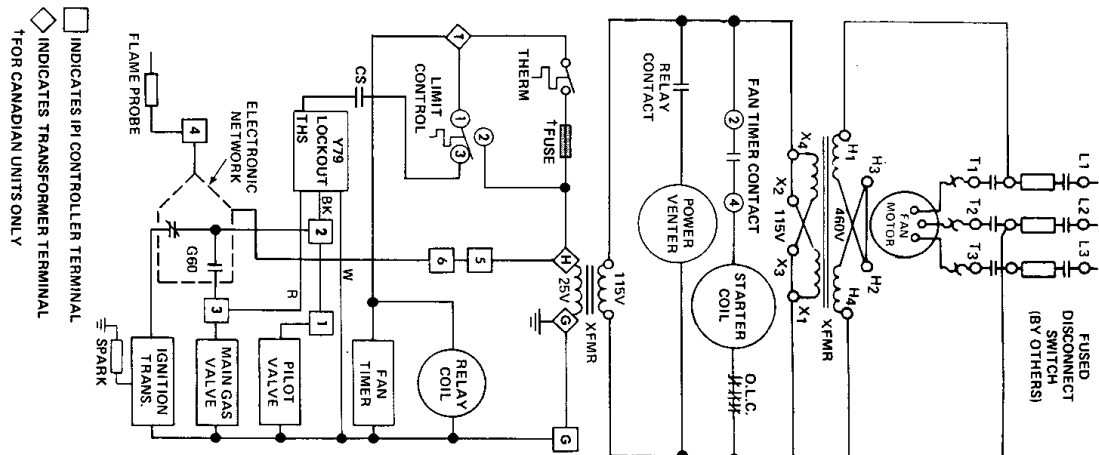


NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.
ALL WIRING MUST COMPLY WITH NATIONAL
ELECTRIC CODE AND ALL LOCAL CODES.
ALL COMPONENTS MUST AGREE WITH
THEIR RESPECTIVE POWER SOURCE.
USE 105 C WIRE FOR REPLACEMENT.

*ALTERNATE XFMR.
PRIMARY XFMR WIRES
230V/60Hz/1Ø - BK(X)OR O)
230V/60Hz/1Ø - BK & R
WIRE NOT THE WIRE NOT USED
†FOR CANADIAN UNITS ONLY

8H6490847 - Three-phase, intermittent pilot ignition, 100% shut-off,
fan time delay, low-voltage thermostat, low-voltage controlled power venter

460V /60 Hz/3Ø POWER SHOWN



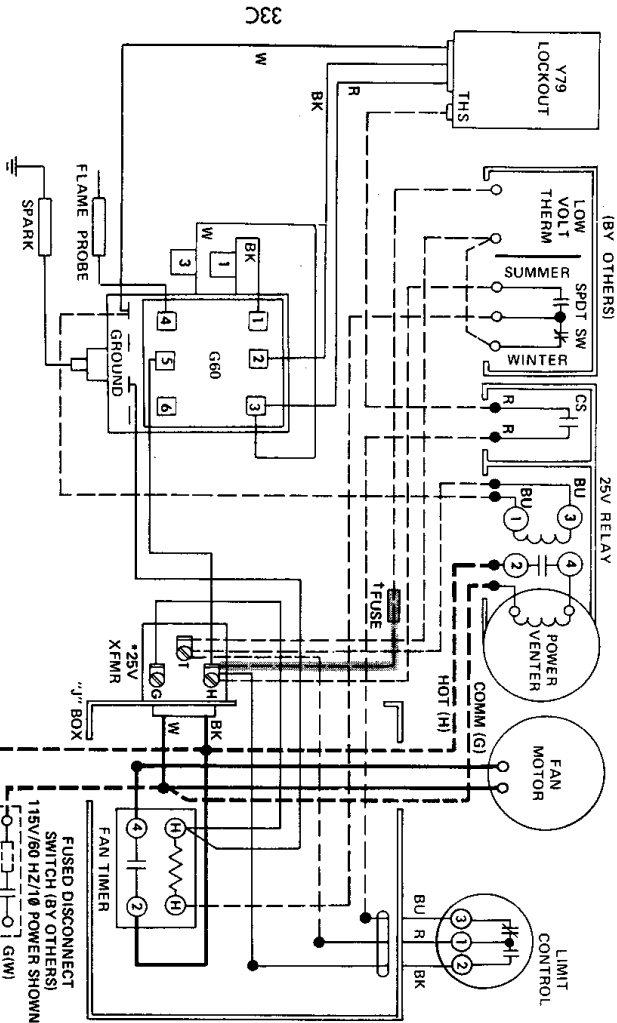
□ INDICATES IPT CONTROLLER TERMINAL
♦ INDICATES TRANSFORMER TERMINAL
†FOR CANADIAN UNITS ONLY



MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

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
FIELD	LOW
WIRE NUT	



NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.

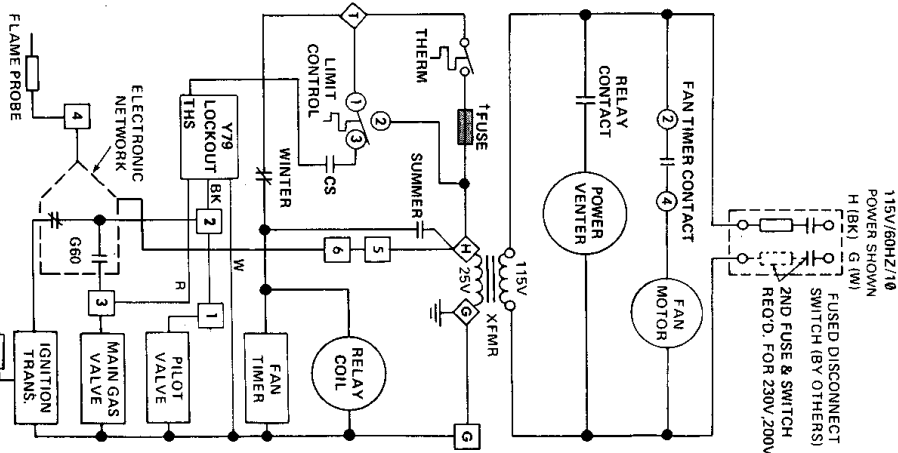
ALL WIRING MUST COMPLY WITH NATIONAL
ELECTRIC CODE AND ALL LOCAL CODES.

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)
200V/60HZ/10 — BK & R
WIRE NUT THE WIRE NOT USED
† FOR CANADIAN UNITS ONLY

8H6490848 — Single-phase, intermittent pilot ignition, 100% shut-off,
fan time delay, low-voltage thermostat, summer-winter switch,
low-voltage controlled power venter

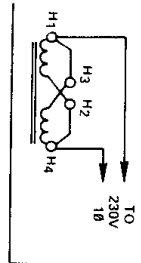


□ INDICATES IP1 CONTROLLER TERMINAL
◇ INDICATES TRANSFORMER TERMINAL
† FOR CANADIAN UNITS ONLY



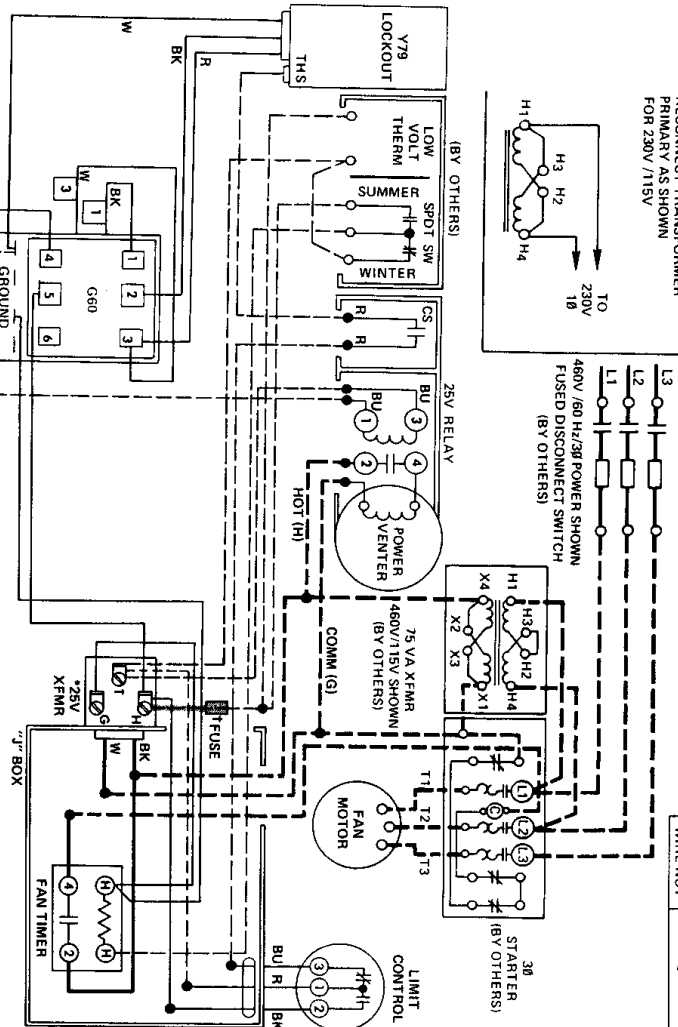
MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

WITH 230V / 60 HZ/3Ø POWER SUPPLY
RECONNECT TRANSFORMER
PRIMARY AS SHOWN
FOR 230V / 115V



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
FIELD	LOW
WIRE NUT	

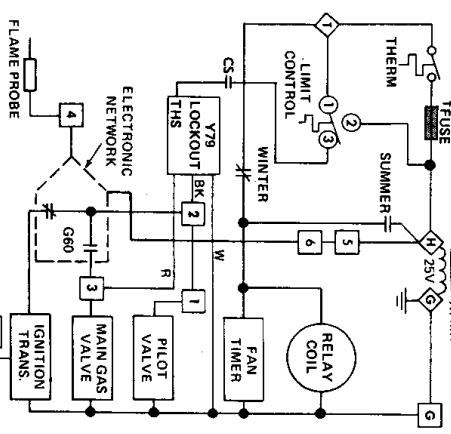
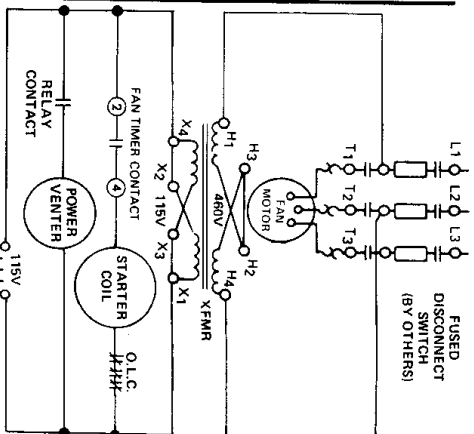


NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.
ALL WIRING MUST COMPLY WITH NATIONAL
ELECTRIC CODE AND ALL LOCAL CODES.
ALL COMPONENTS MUST AGREE WITH
THEIR RESPECTIVE POWER SOURCE.

*ALTERNATE XFMR
PRIMARY XFMR WIRING
230V/60HZ/1Ø BK & (OR) O
230V/60HZ/1Ø BK & N
WIRE NUT THE WIRE NOT USED
†FOR CANADIAN UNITS ONLY

8H6490B48 — Three-phase, intermittent pilot ignition, 100% shut-off, fan time delay,
low-voltage thermostat, summer-winter switch, low-voltage controlled power venter

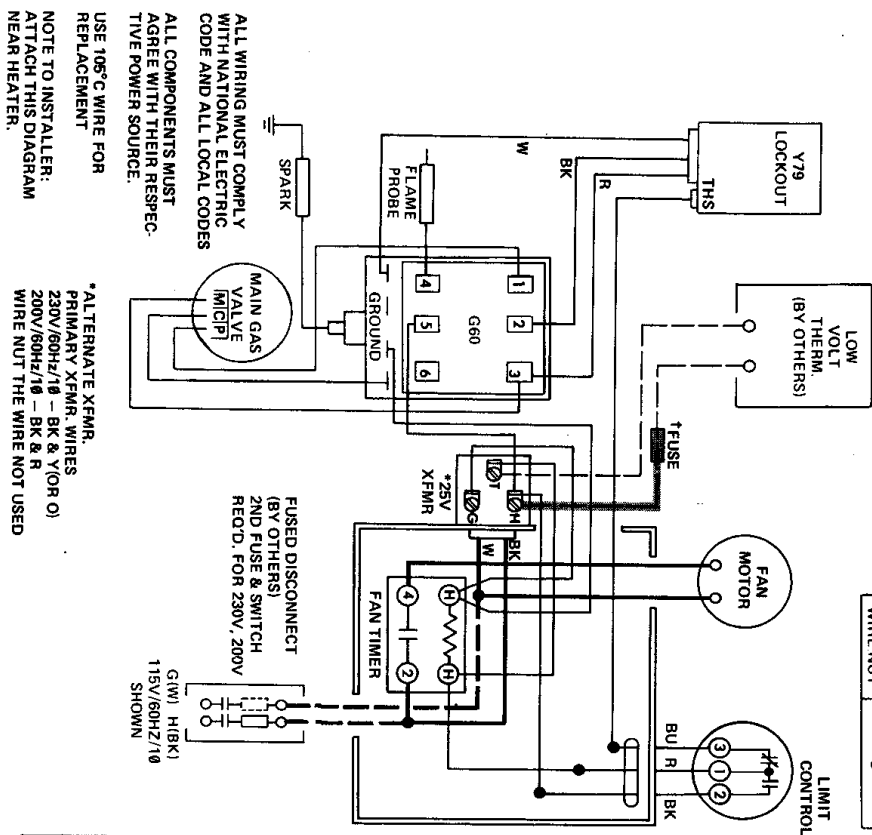
460V / 60 HZ/3Ø POWER SHOWN



□ INDICATES IPT CONTROLLER TERMINAL
◇ INDICATES TRANSFORMER TERMINAL
†FOR CANADIAN UNITS ONLY

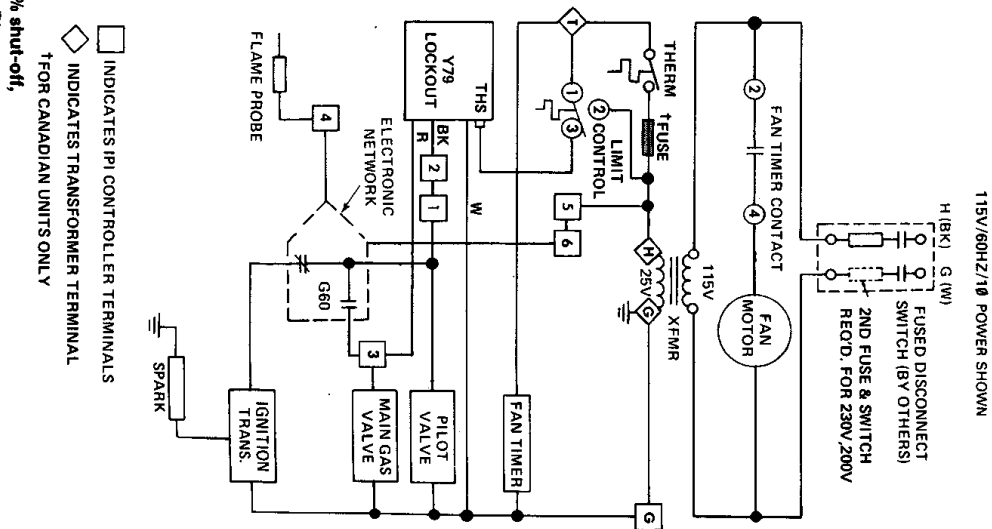
MODINE 6-430 WIRING DIAGRAM MODELS PA/BA

WIRING LEGEND	
FACTORY	LINE LOW
FIELD	
WIRE NUT	



*ALTERNATE XFMR.
PRIMARY XFMR. WIRES
230V/60Hz/1Ø - BK & Y(OR O)
200V/60Hz/1Ø - BK & R
WIRE NUT THE WIRE NOT USED
†FOR CANADIAN UNITS ONLY

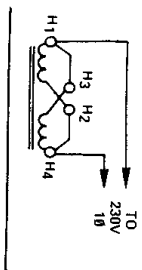
5H70081B25 — Single-phase, intermittent pilot ignition, 100% solid-state, fan-time delay, low-voltage thermostat. (Rev. B)



□ INDICATES IPI CONTROLLER TERMINALS
◇ INDICATES TRANSFORMER TERMINAL
†FOR CANADIAN UNITS ONLY
shut-off,

MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

WITH 230V / 60 HZ/2Ø POWER SUPPLY
RECONNECT TRANSFORMER
PRIMARY AS SHOWN
FOR 230V / 115V



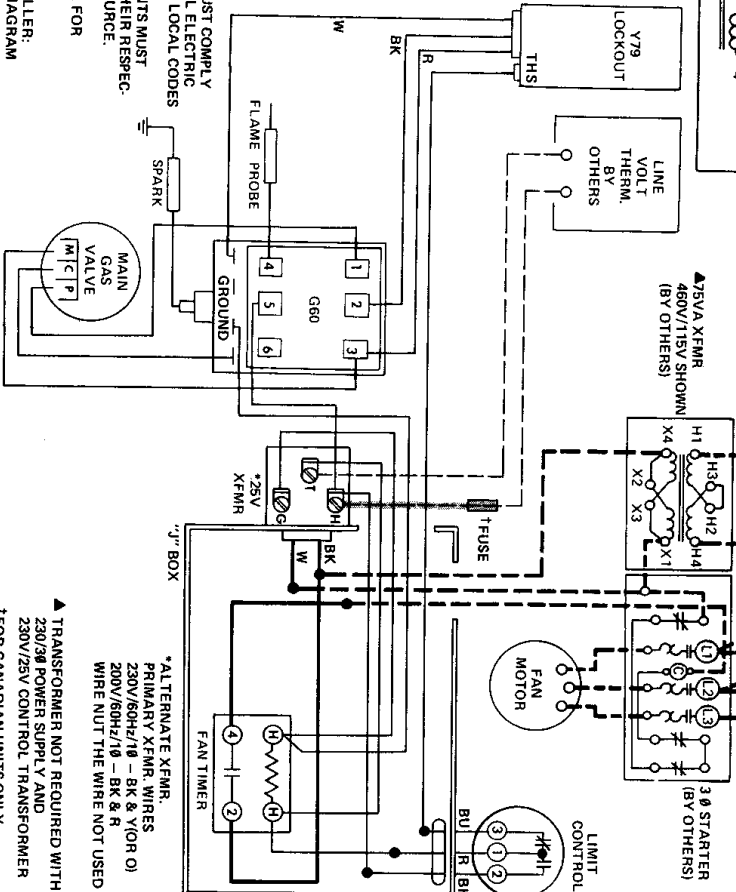
460V / 60 HZ/2Ø POWER SHOWN
FUSED DISCONNECT SWITCH (BY OTHERS)



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.

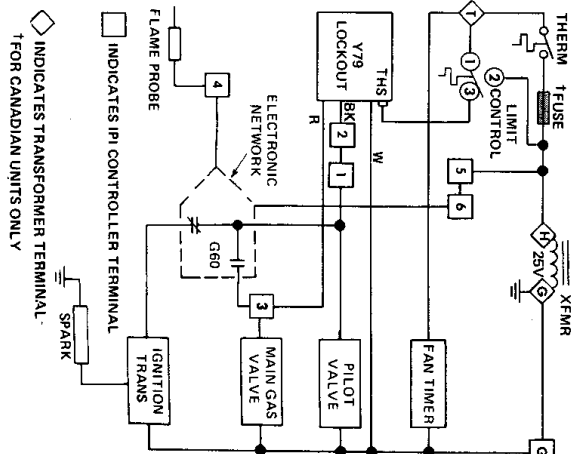
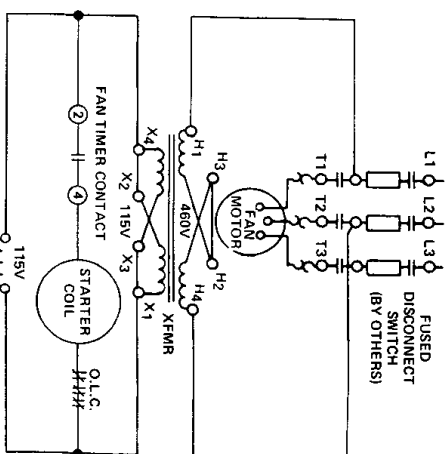
ALL WIRING MUST COMPLY
WITH NATIONAL ELECTRIC
CODE AND ALL LOCAL CODES
ALL COMPONENTS MUST
AGREE WITH THEIR RESPEC-
TIVE POWER SOURCE.
USE 105°C WIRE FOR
REPLACEMENT
NOTE TO INSTALLER:
ATTACH THIS DIAGRAM
NEAR HEATER.



▲ ALTERNATE XFMR
PRIMARY XFMR WIRES
230V/60Hz/1Ø - BK & Y (OR O)
200V/60Hz/1Ø - BK & R
WIRE NUT THE WIRE NOT USED
▲ TRANSFORMER NOT REQUIRED WITH
230/25V CONTROL TRANSFORMER
† FOR CANADIAN UNITS ONLY

5H70081B25 — Three-phase, intermittent pilot ignition, 100% shut-off,
fan-time delay, low-voltage thermostat. (Rev. B)

460V/60Hz/3 Ø POWER SHOWN



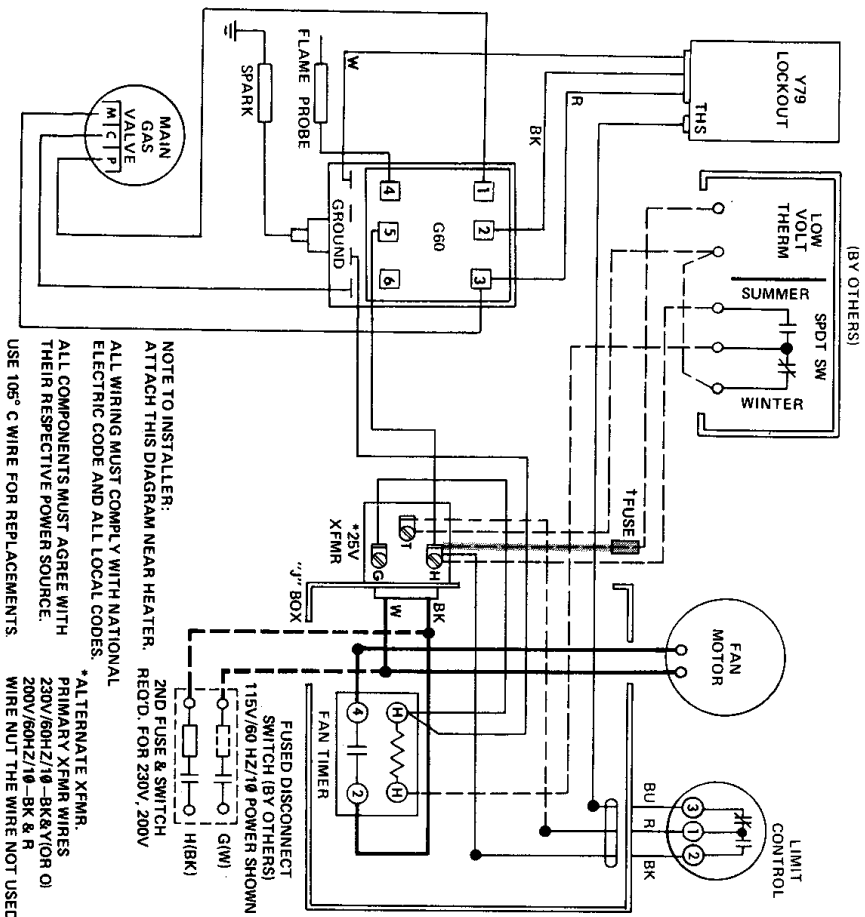
◇ INDICATES TRANSFORMER TERMINAL.
† FOR CANADIAN UNITS ONLY



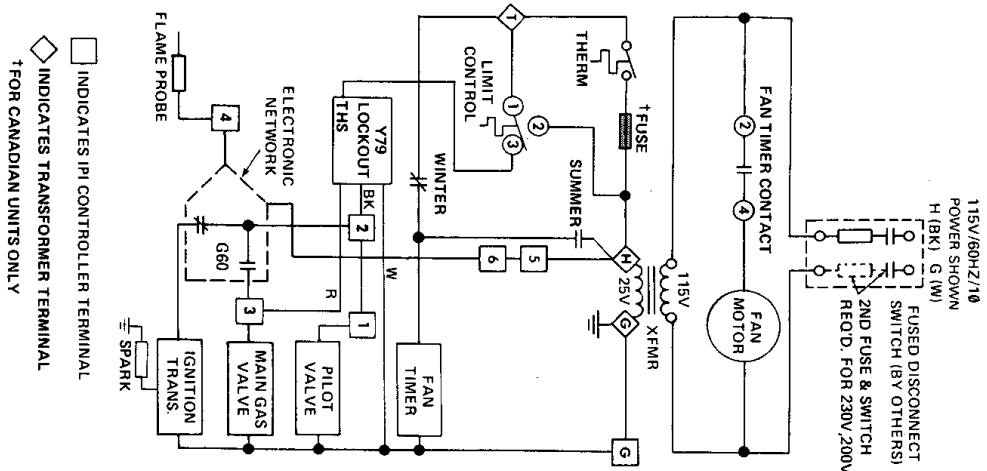
MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

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
FIELD	LOW
WIRE NUT	



8H6490B49 — Single-phase, intermittent pilot ignition, 100% shut-off,
fan time delay, low-voltage thermostat, summer-winter switch



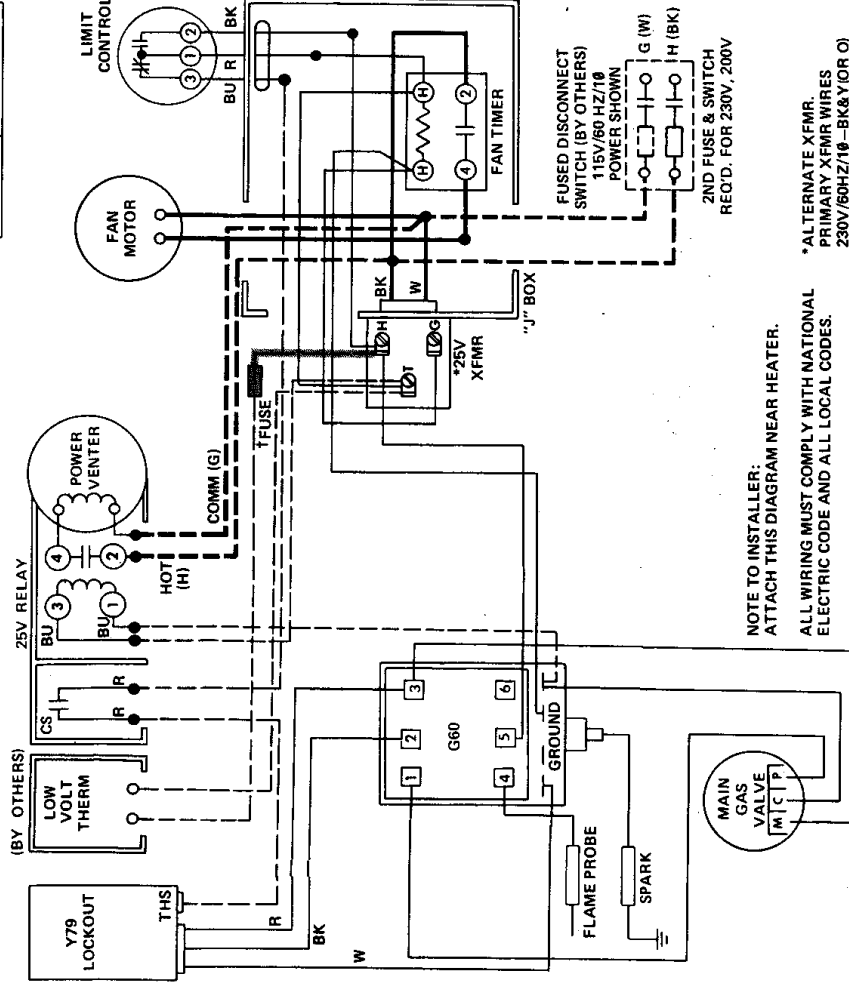


MODINE 6-430 WIRING DIAGRAM MODELS PA/BA

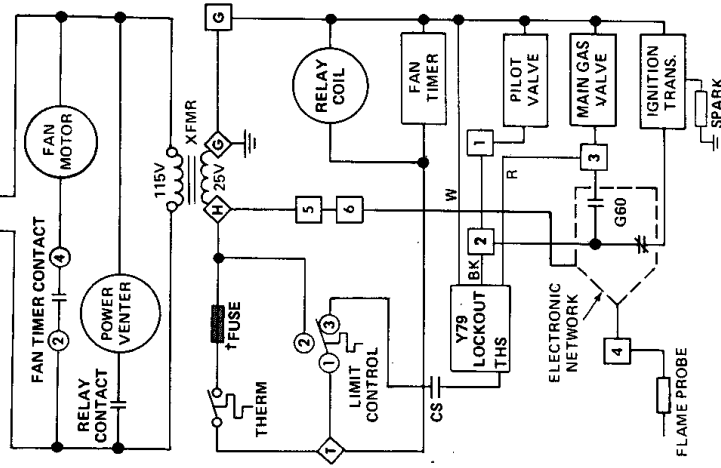
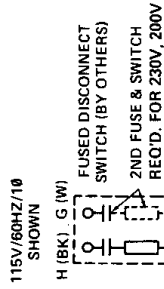
CAUTION

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
FIELD	LOW
WIRE NUT	---



358



◇ INDICATES TRANSFORMER TERMINAL
□ INDICATES IPI CONTROLLER TERMINAL
† FOR CANADIAN UNITS ONLY

*ALTERNATE XFMR.
PRIMARY XFMR WIRES
230V/60HZ/10-BK&Y(O)
200V/60HZ/10-BK & R
WIRE NUT THE WIRE NOT USED

† 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.

8H6490850 — Single-Phase, intermittent pilot ignition, 100% shut-off,
fan time delay, low-voltage thermostat, low-voltage controlled power venter



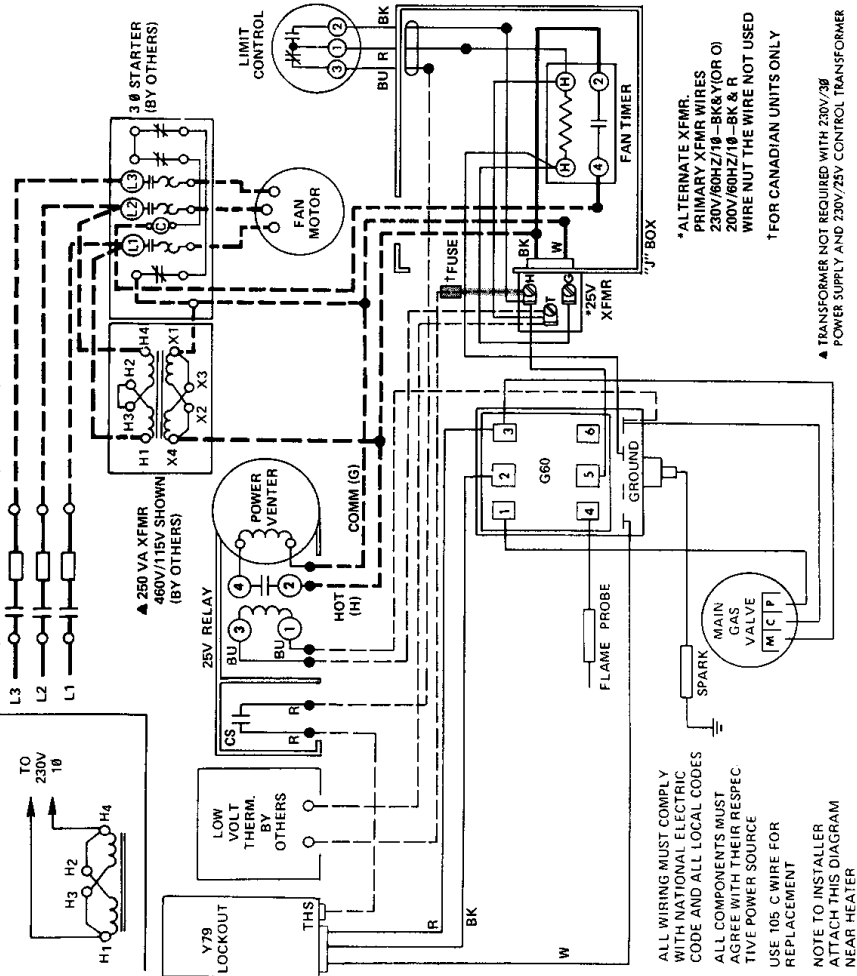
MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

WIRING LEGEND	
LINE	LOW
FACILITY	FIELD
WIRE NUT	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.

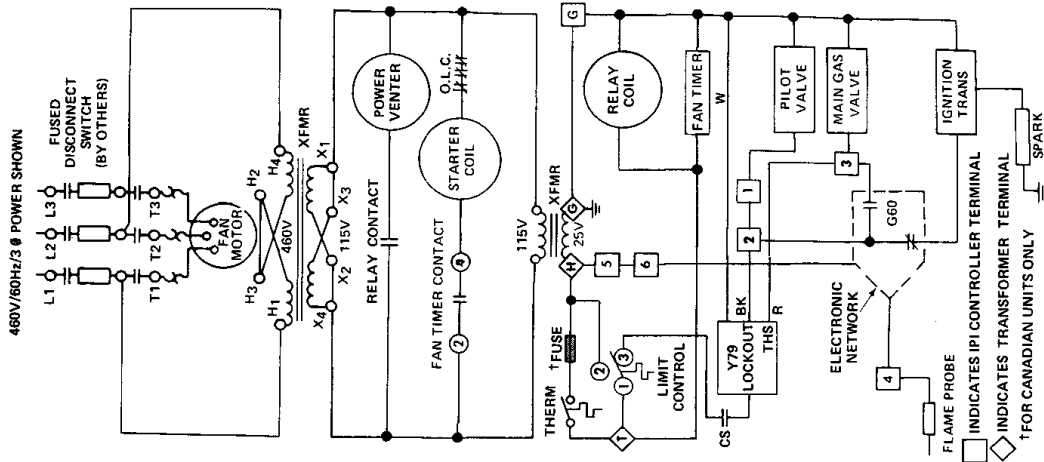
480V / 60 HZ/3Ø POWER SHOWN
FUSED DISCONNECT SWITCH (BY OTHERS)

WITH 230V / 60 HZ/3Ø POWER SUPPLY
RECONNECT TRANSFORMER
PRIMARY AS SHOWN
FOR 230V / 115V



ALL WIRING MUST COMPLY
WITH NATIONAL ELECTRIC
CODE AND ALL LOCAL CODES
ALL COMPONENTS MUST
AGREE WITH THEIR RESPEC
TIVE POWER SOURCE
USE 105 C WIRE FOR
REPLACEMENT
NOTE TO INSTALLER
ATTACH THIS DIAGRAM
NEAR HEATER

8H6490B50 — Three-phase, intermittent pilot ignition, 100% shut-off,
fan time delay, low-voltage thermostat, low-voltage controlled power vent



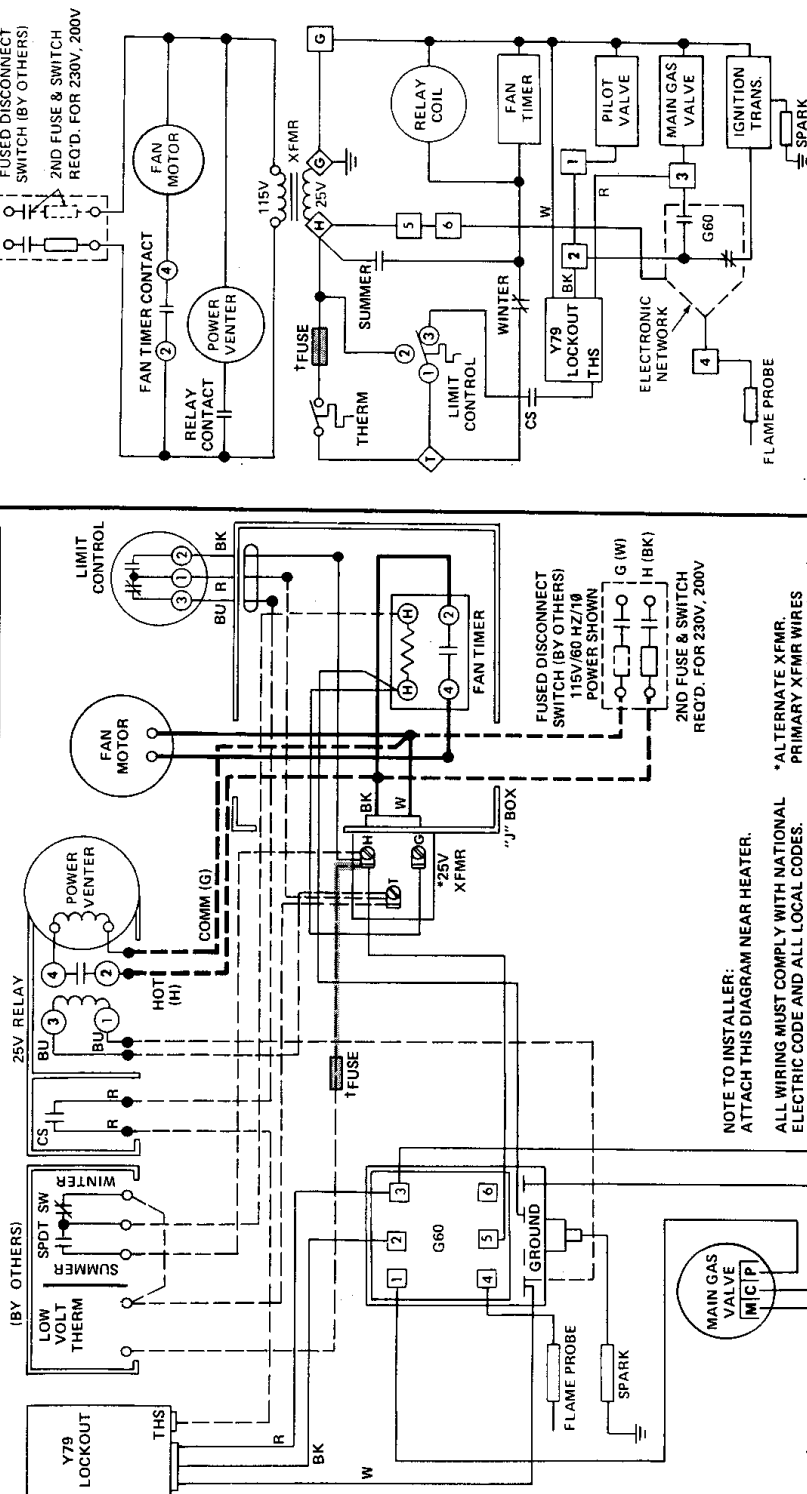
INDICATES IPT CONTROLLER TERMINAL
INDICATES TRANSFORMER TERMINAL
1 FOR CANADIAN UNITS ONLY



MODINE 6-430 WIRING DIAGRAM MODELS PA/BA

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	
LINE	LOW
FACTORY	FIELD
WIRE NUT	



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)
200V/60HZ/10-BK & R
WIRE NUT THE WIRE NOT USED

†FOR CANADIAN UNITS ONLY

8H6490B51 - Single-Phase, intermittent pilot ignition, 100% shut-off, fan time delay,
low-voltage thermostat, summer-winter switch, low-voltage controlled power vent

◇ INDICATES TRANSFORMER TERMINAL

□ INDICATES IPI CONTROLLER TERMINAL

†FOR CANADIAN UNITS ONLY

†FOR CANADIAN UNITS ONLY

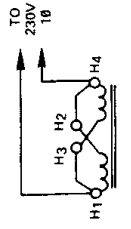


MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

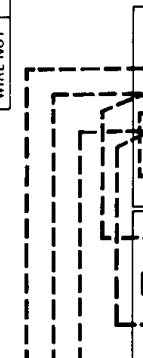
WIRING LEGEND	
LINE	LOW
FACILITY	---
FIELD	---
WIRE NUT	●

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.

WITH 230V / 60 HZ/3Ø POWER SUPPLY
RECONNECT TRANSFORMER
PRIMARY AS SHOWN
FOR 230V / 115V



460V / 60 HZ/3Ø POWER SHOWN
FUSED DISCONNECT SWITCH
(BY OTHERS)



3Ø
STARTER
(BY OTHERS)



25V RELAY



POWER
VENTER



FAN
MOTOR



250 VA XFMR
460V/115V SHOWN
(BY OTHERS)



COMM (G)



HOT (H)



BU



R



W



G

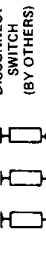


1 FUSE



460V / 60 HZ/3Ø POWER SHOWN

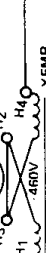
FUSED
DISCONNECT
SWITCH
(BY OTHERS)



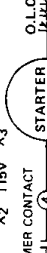
FAN
MOTOR



460V



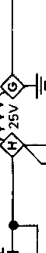
X1



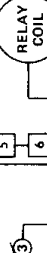
X2



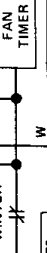
X3



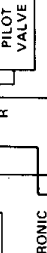
X4



115V



STARTER
COIL



O.L.C.



POWER
VENTER



RELAY
CONTACT



115V



XFMR



25V



G

Y79
LOCKOUT



THS



R



BK



W



G



1 FUSE



THERM



SUMMER



WINTER



CS



Y79
LOCKOUT



THS



R



BK



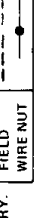
W



RELAY
COIL



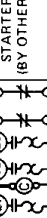
FAN
TIMER



PILOT
VALVE



MAIN
GAS
VALVE



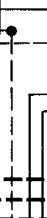
IGNITION
TRANS



SPARK



FLAME
PROBE



ELECTRONIC
NETWORK



Y79
LOCKOUT



THS



R



BK



W



G



1 FUSE



THERM



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/1Ø-BK&Y(OR O)
200V/60HZ/1Ø-BK & R
WIRE NUT THE WIRE NOT USED
1 FOR CANADIAN UNITS ONLY

1 FOR CANADIAN UNITS ONLY

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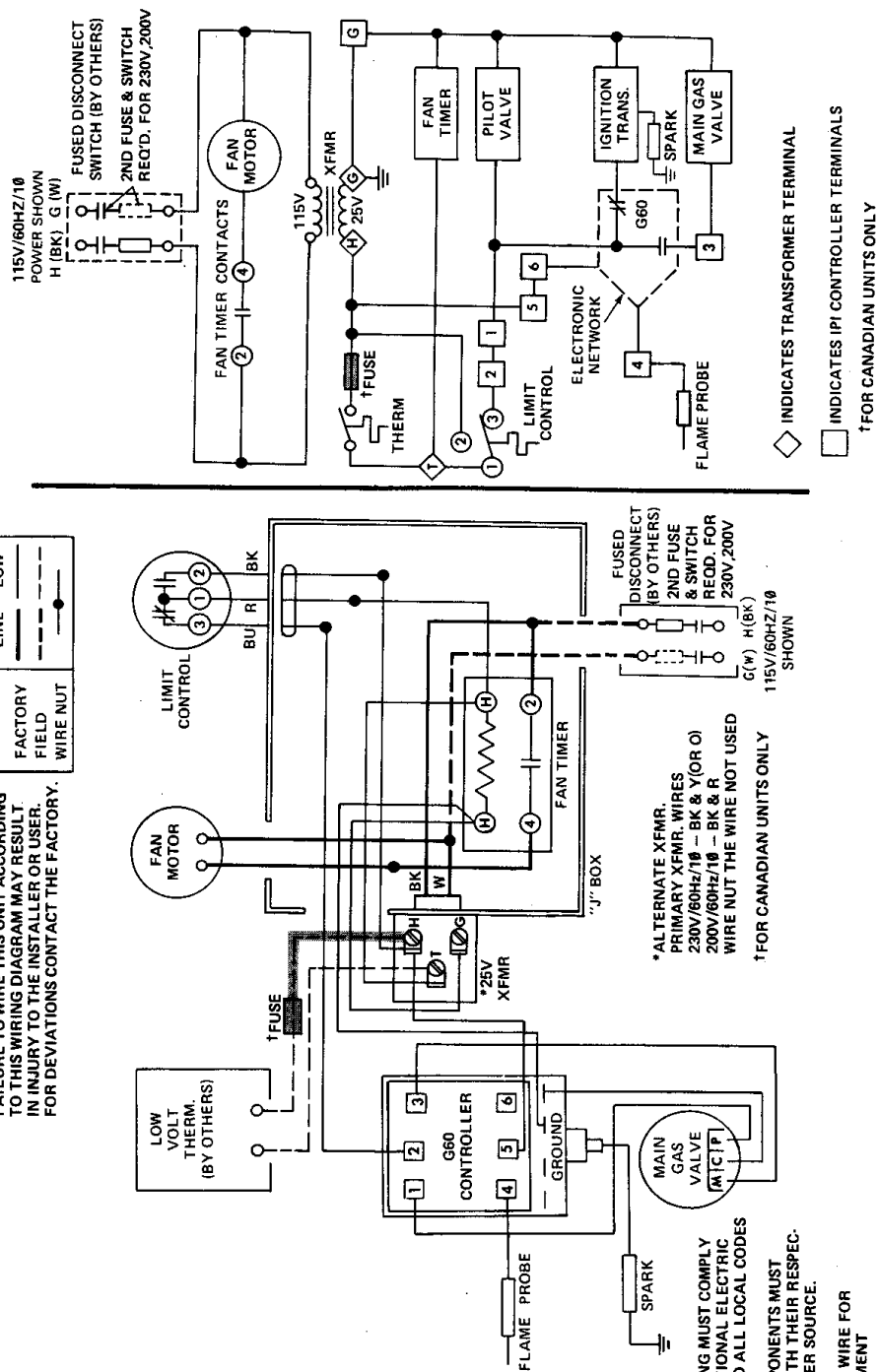
1 FOR CANADIAN UNITS ONLY

MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

CAUTION

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	●



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

**USE 105°C WIRE FOR
REPLACEMENT**

5H70081B22 — Single-phase, intermittent pilot ignition, non-100% shut-off, fan-time delay, low-voltage thermostat. (Rev. B)



WIRING LEGEND	
FACTORY	LINE LOW
FIELD	
WIRE NUT	





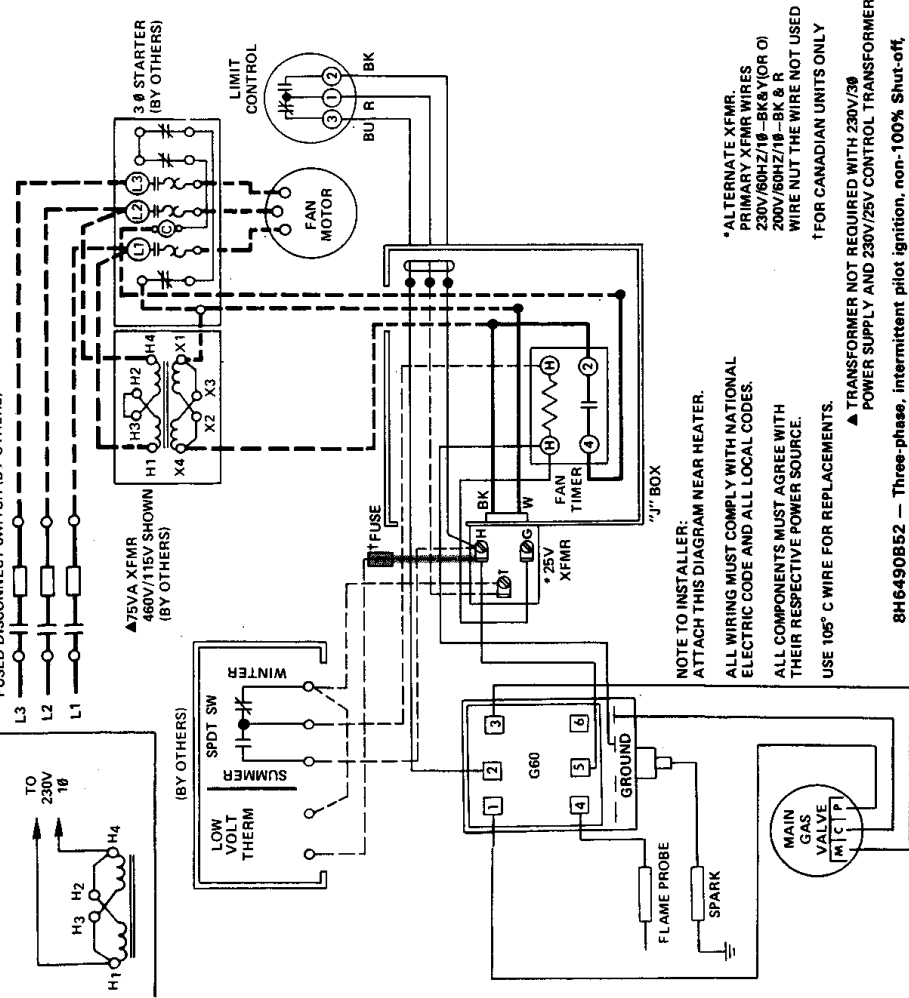
MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

WIRING LEGEND	
LINE	LOW
FACILITY	FIELD
WIRE NUT	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.

WITH 230V /60 HZ/3Ø POWER SUPPLY
RECONNECT TRANSFORMER
PRIMARY AS SHOWN
FOR 230V /115V

460V /60 HZ/3Ø POWER SHOWN
FUSED DISCONNECT SWITCH (BY OTHERS)



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.

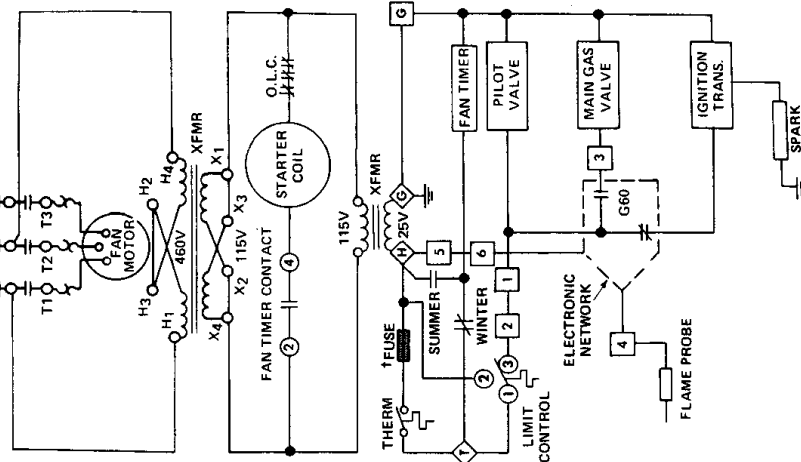
USE 105° C WIRE FOR REPLACEMENTS.

▲ TRANSFORMER NOT REQUIRED WITH 230V/3Ø
POWER SUPPLY AND 230V/25V CONTROL TRANSFORMER

8H6490B52 — Three-phase, intermittent pilot ignition, non-100% Shut-off,
fan time delay, low-voltage thermostat, summer-winter switch.

460V/60Hz/3 Ø POWER SHOWN

FUSED
DISCONNECT
SWITCH
(BY OTHERS)



◇ INDICATES TRANSFORMER TERMINAL

□ INDICATES PI CONTROLLER TERMINAL

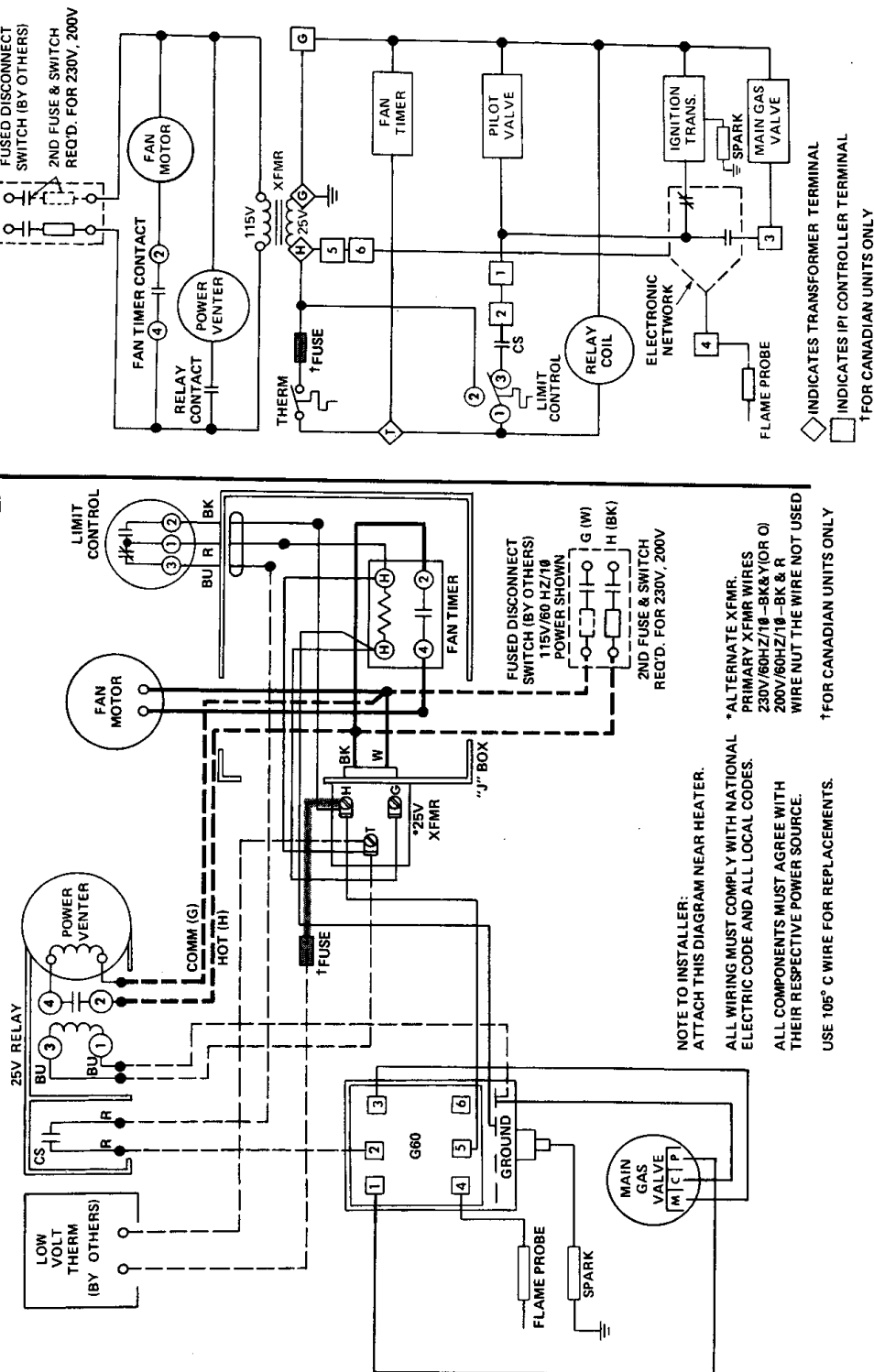
† FOR CANADIAN UNITS ONLY



MODINE 6-430 WIRING DIAGRAM MODELS PA/BA

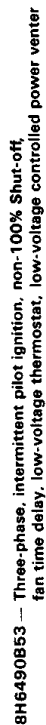
CAUTION
FAILURE TO WIRE THIS UNIT ACCORDING
TO THIS WIRING DIAGRAM MAY RESULT
IN INJURY TO THE INSTALLER OR USER.
FOR DEVIATIONS CONTACT THE FACTORY.

WIRING LEGEND	
FACTORY	LOW
FIELD	---
WIRE NUT	•

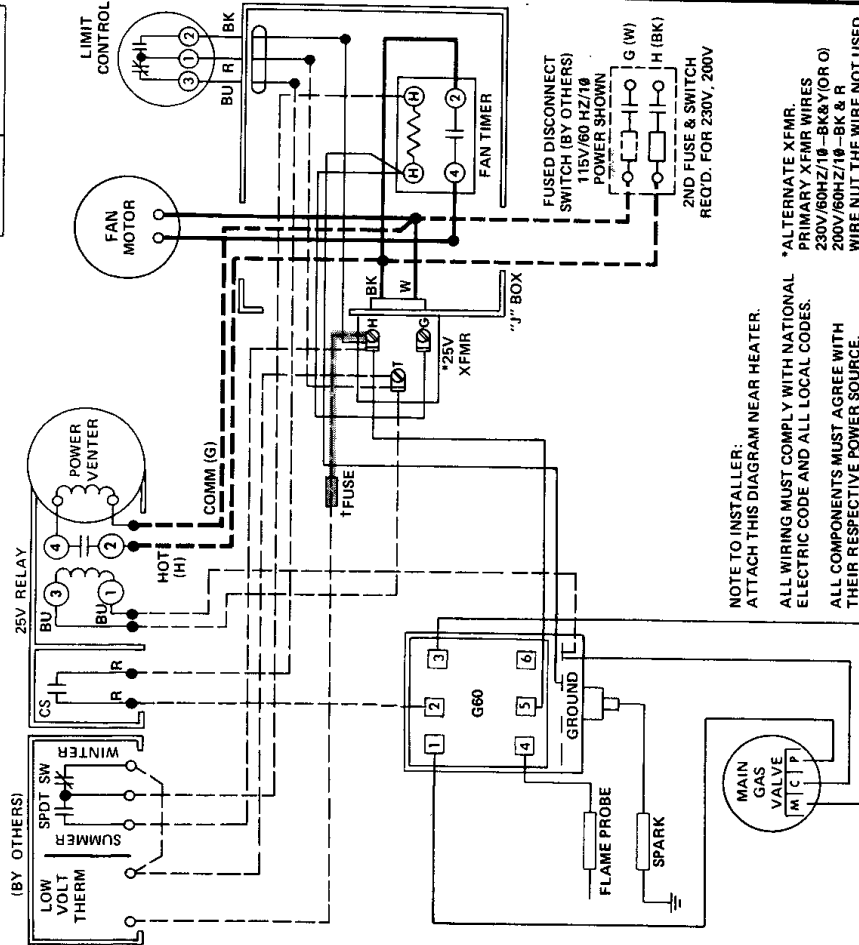
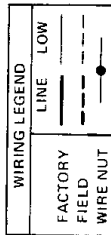


37B

8H6490B53 — Single-Phase, intermittent pilot ignition, non-100% Shut-off, fan time delay, low-voltage thermostat, low-voltage controlled power venter



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



**NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.**

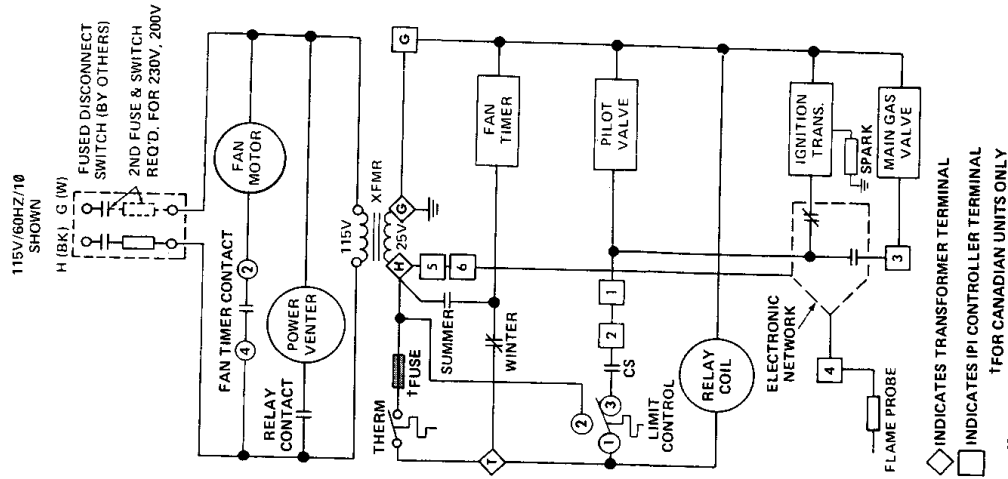
*ALTERNATE XFMR.
PRIMARY XFMR WIRES
230V/60HZ/1Ø-BK&Y(OR O)
200V/60HZ/1Ø-BK & R

USE 105° C WIRE FOR REPLACEMENTS.

Single-Phase, intermittent pilot ignition, non-100% Shut-off, fan time delay, low-voltage thermostat, summer-winter switch, low-voltage controlled power venter

946490854

†FOR CANADIAN UNITS ONLY



◇ INDICATES TRANSFORMER TERMINAL

ES IPI CONTROLLER TERMINAL

□



CAUTION

WIRING LEGEND	
FACTORY	LINE LOW
FIELD	---
WIRE NUT	●



**ALL COMPONENTS MUST
AGREE WITH THEIR RESPEC-**

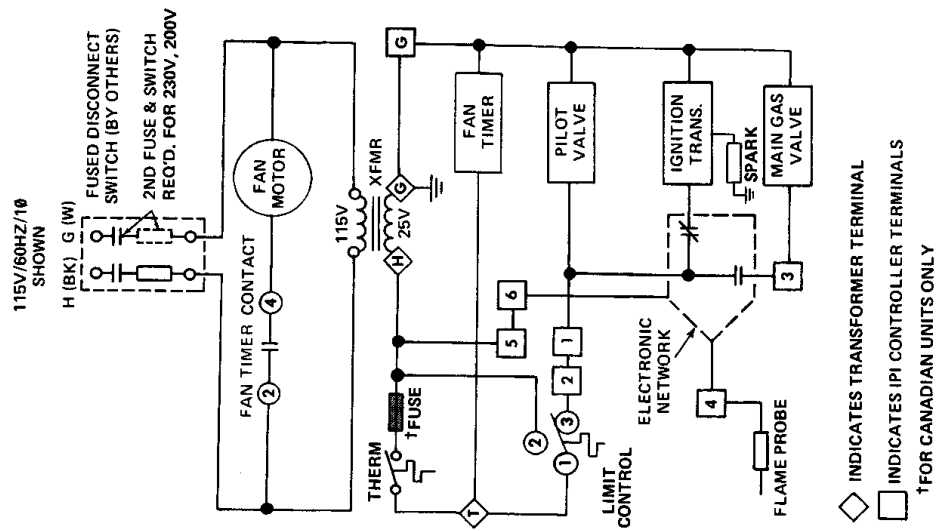
**USE 105°C WIRE FOR
REPLACEMENT**

**NOTE TO INSTALLER:
ATTACH THIS DIAGRAM
NEAR HEATER.**

*ALTERNATE XFMR.
PRIMARY XFMR. WIRES
230V/60Hz/1Ø - BK & Y(OR O)
200V/160Hz/1Ø - BK & P
G(W) H(BK)
115V/60Hz/1Ø
SHOWN

WIRE NUT THE WIRE NOT USED
†FOR CANADIAN UNITS ONLY

5H70081B21 — Single-phase, intermittent pilot ignition, non-100% shut-off, fan-time delay, low-voltage thermostat. (Rev. B)



◇ INDICATES TRANSFORMER TERMINAL

☐ INDICATES IPI CONTROLLER TERMINALS

†FOR CANADIAN UNITS ONLY





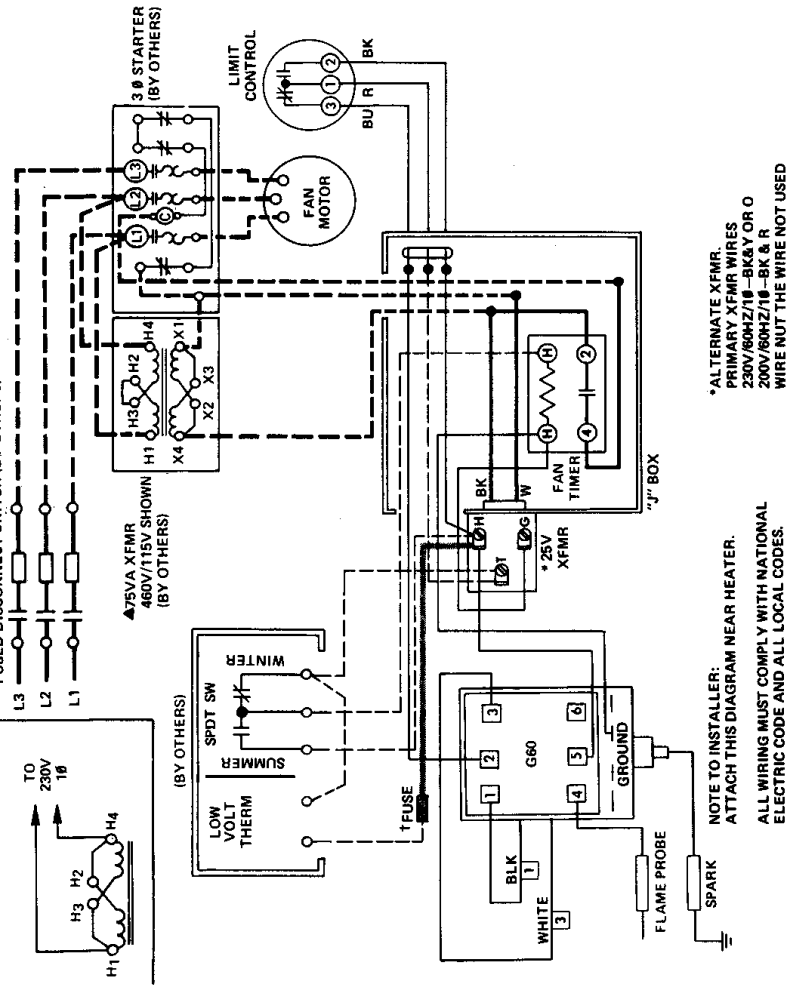
MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

WIRING LEGEND	
FACTORY	LINE
FIELD	LOW
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.

WITH 230V /60 Hz/3Ø POWER SUPPLY
RECONNECT TRANSFORMER
PRIMARY AS SHOWN
FOR 230V /115V

460V /60 Hz/3Ø POWER SHOWN
FUSED DISCONNECT SWITCH (BY OTHERS)

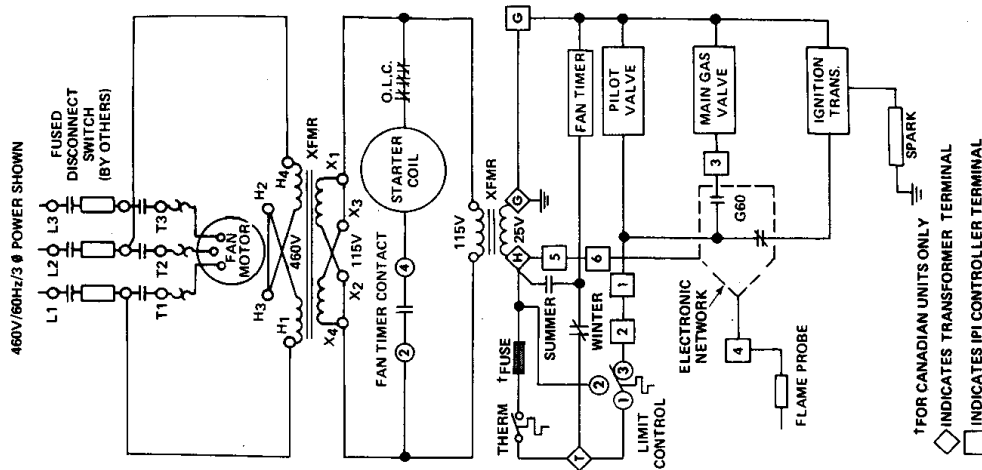


NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.
ALL WIRING MUST COMPLY WITH NATIONAL
ELECTRIC CODE AND ALL LOCAL CODES.
ALL COMPONENTS MUST AGREE WITH
THEIR RESPECTIVE POWER SOURCE.
USE 105° C WIRE FOR REPLACEMENTS.

*ALTERNATE XFMR
PRIMARY XFMR WIRES
230V/60Hz/1Ø -BK&Y OR O
200V/60Hz/1Ø -BK & R
WIRE NUT THE WIRE NOT USED

▲ TRANSFORMER NOT REQUIRED WITH 230V/3Ø
POWER SUPPLY AND 230V/25V CONTROL TRANSFORMER
† FOR CANADIAN UNITS ONLY

8H6490855 — Three-phase, intermittent pilot ignition, non-100% Shut-off,
fan time delay, low-voltage thermostat, summer-winter switch.



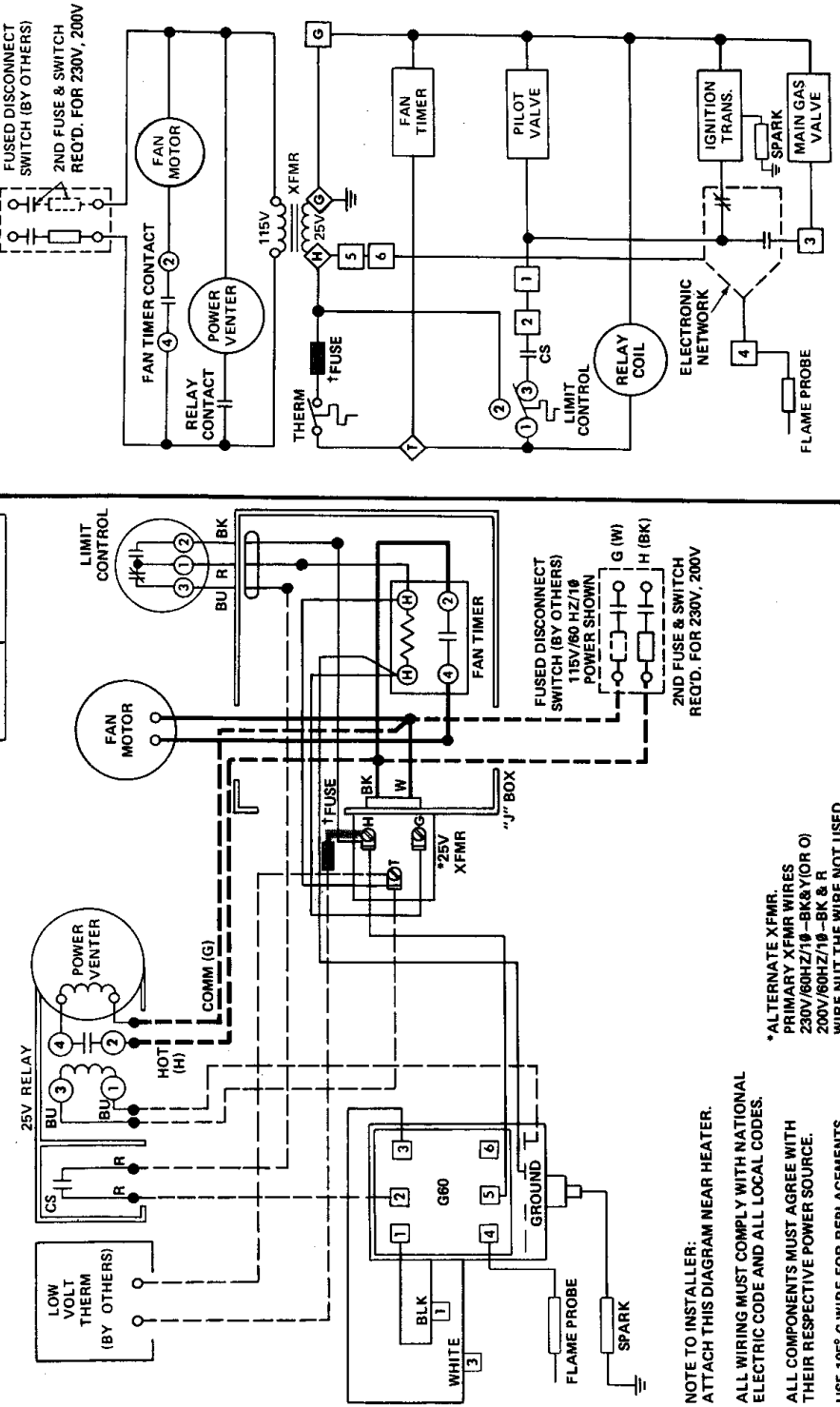
† FOR CANADIAN UNITS ONLY
◇ INDICATES TRANSFORMER TERMINAL
□ INDICATES IPI CONTROLLER TERMINAL



MODINE 6-430 WIRING DIAGRAM MODELS PA/BA

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	LOW
FIELD	---
WIRE NUT	●



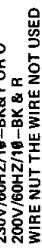
NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.
ALL WIRING MUST COMPLY WITH NATIONAL
ELECTRIC CODE AND ALL LOCAL CODES.
ALL COMPONENTS MUST AGREE WITH
THEIR RESPECTIVE POWER SOURCE.
USE 105° C WIRE FOR REPLACEMENTS.

*ALTERNATE XFMR.
PRIMARY XFMR WIRES
230V/60HZ/18-BK&Y(O R)
200V/60HZ/18-BK & R
WIRE NUT THE WIRE NOT USED
†FOR CANADIAN UNITS ONLY

◇ INDICATES TRANSFORMER TERMINAL
□ INDICATES IPI CONTROLLER TERMINAL
†FOR CANADIAN UNITS ONLY

8H6490B56 — Single-Phase, intermittent pilot ignition, non-100% Shut-off,
fan time delay, low-voltage thermostat, low-voltage controlled power venter

WIRING LEGEND	
FACTORY	LINE LOW
FIELD	---
WIRE NUT	●



8H6490B57 — Single-Phase, intermittent pilot ignition, non-100% Shut-off, fan time delay, low-voltage thermostat, summer-winter switch, low-voltage controlled power vent

◇ INDICATES TRANSFORMER TERMINAL

INDICATES IPI CONTROLLER TERMINAL

†FOR CANADIAN UNITS ONLY



MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

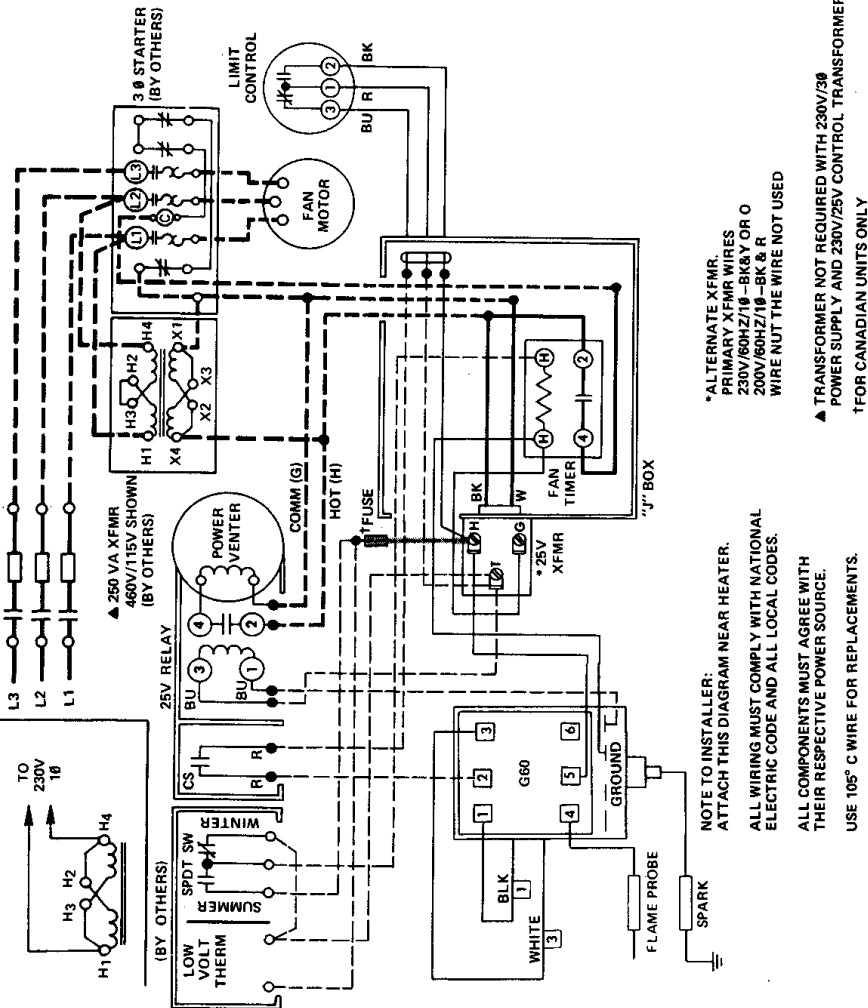
WIRING LEGEND	
FACTORY	LOW
FIELD	---
WIRE NUT	●

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.

WITH 230V / 60 Hz / 3Ø POWER SUPPLY
RECONNECT TRANSFORMER
PRIMARY AS SHOWN
FOR 230V / 115V

460V / 60 Hz / 3Ø POWER SHOWN

FUSED DISCONNECT SWITCH (BY OTHERS)



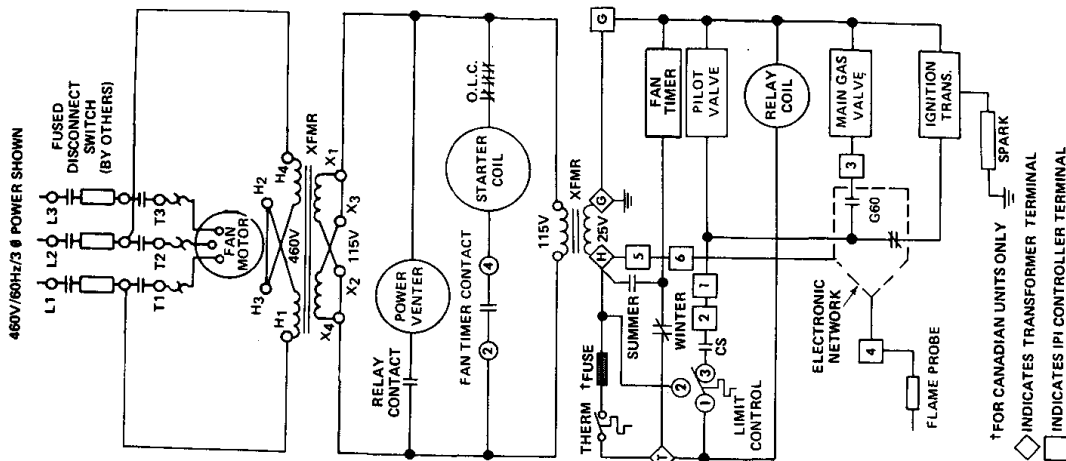
40C

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/1Ø - BK&Y OR O
200V/60Hz/1Ø - BK & R
WIRE NUT THE WIRE NOT USED

▲ TRANSFORMER NOT REQUIRED WITH 230V/3Ø
POWER SUPPLY AND 230V/25V CONTROL TRANSFORMER
† FOR CANADIAN UNITS ONLY

8H6490857 — Three-phase, intermittent pilot ignition, 100% shut-off, fan time delay,
low-voltage thermostat, summer-winter switch, low-voltage controlled power venter



† FOR CANADIAN UNITS ONLY
◇ INDICATES TRANSFORMER TERMINAL
□ INDICATES IPI CONTROLLER TERMINAL

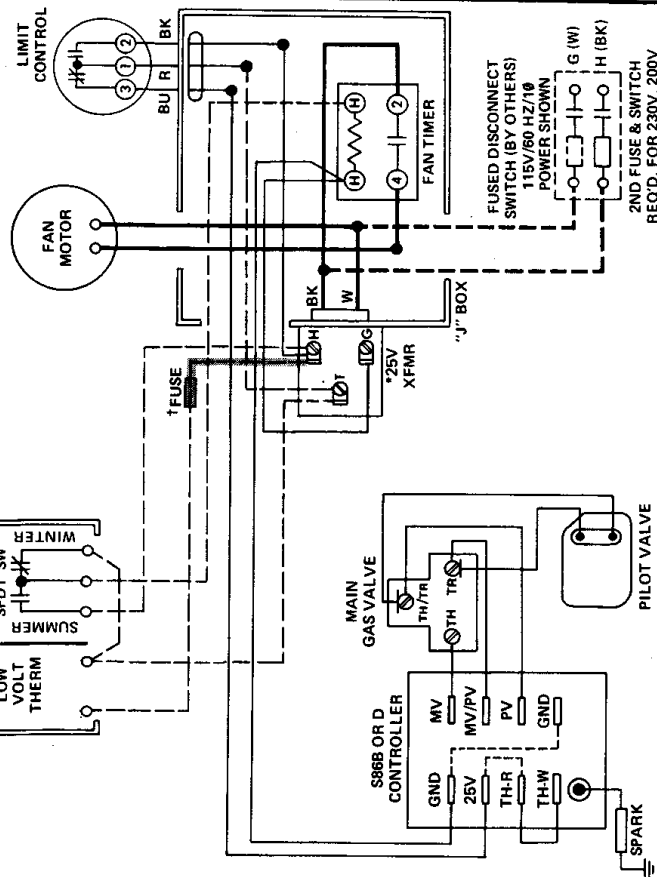
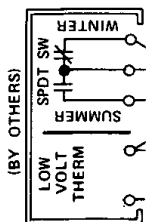


MODINE 6-430 WIRING DIAGRAM MODELS PA/BA

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	LOW
FIELD	---
WIRE NUT	•

(BY OTHERS)



NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.

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

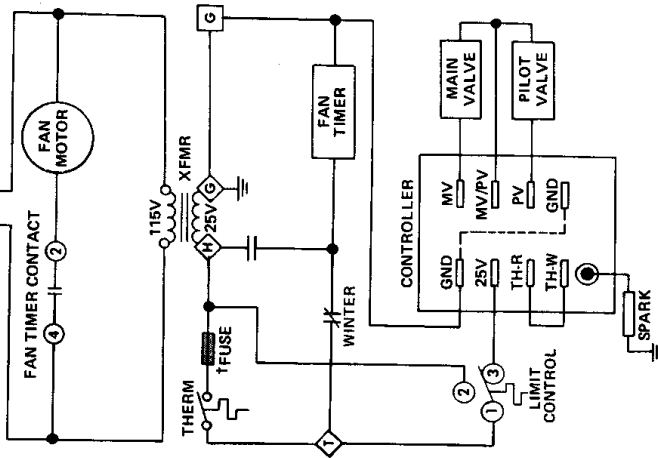
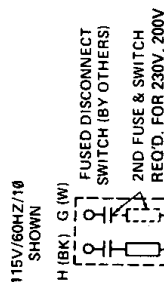
ALL COMPONENTS MUST AGREE WITH
THEIR RESPECTIVE POWER SOURCE.

USE 105° C WIRE FOR REPLACEMENTS.

*ALTERNATE XFMR.
PRIMARY XFMR WIRES
230V/60HZ/10-BK&Y(OR O)
200V/60HZ/10-BK & R

WIRE NUT THE WIRE NOT USED

1 FOR CANADIAN UNITS ONLY



◇ INDICATES TRANSFORMER TERMINAL
□ INDICATES IPT CONTROLLER TERMINALS

**NON-100% SYSTEMS UTILIZE A S88B CONTROLLER
100% SYSTEMS UTILIZE A S86D CONTROLLER
1 FOR CANADIAN UNITS ONLY

8H6490B58 — Single-phase, intermittent pilot ignition, non-100%
(and 100%) shut-off, fan time delay.
low-voltage thermostat, summer-winter switch**

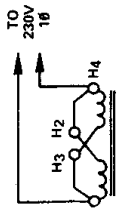


MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

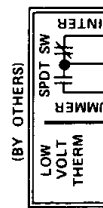
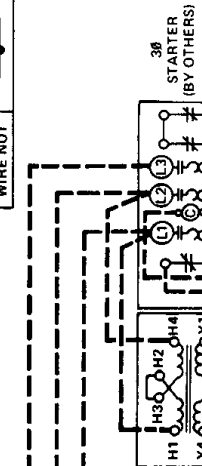
CAUTION
FAILURE TO WIRE THIS UNIT ACCORDING
TO THIS WIRING DIAGRAM MAY RESULT
IN INJURY TO THE INSTALLER OR USER.
FOR DEVIATIONS CONTACT THE FACTORY.

WIRING LEGEND	
LINE	LOW
FACTORY	FIELD
WIRE NUT	

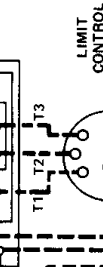
WITH 230V /60 HZ/3Ø POWER SUPPLY
RECONNECT TRANSFORMER
PRIMARY AS SHOWN
FOR 230V /115V



460V /60 HZ/3Ø POWER SHOWN
FUSED DISCONNECT SWITCH
(BY OTHERS)

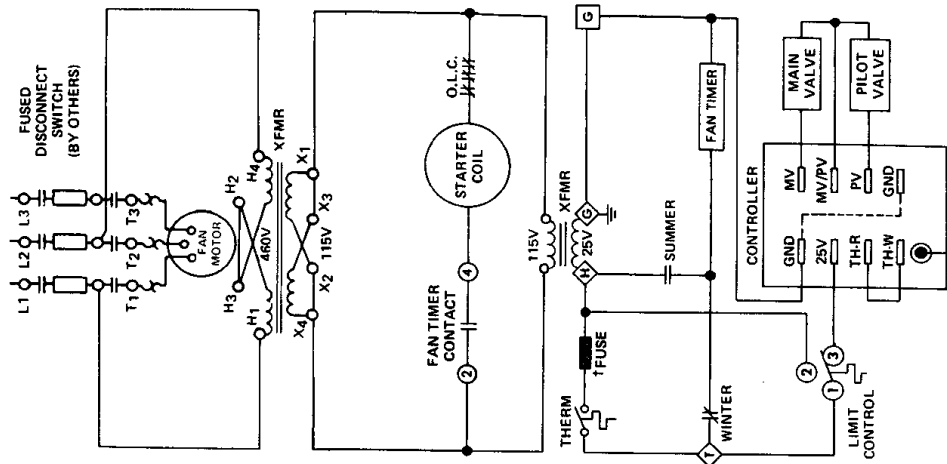


75 VA XFMR
460V/115V SHOWN
(BY OTHERS)



42A

460V /60 HZ/3Ø POWER SHOWN



**NON-100% SYSTEMS UTILIZE A S88B CONTROLLER
100% SYSTEMS UTILIZE A S88D CONTROLLER
◇ INDICATES TRANSFORMER TERMINAL
□ INDICATES IPI CONTROLLER TERMINAL
† 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/1Ø-BK&Y(OR O)
200V/60HZ/1Ø-BK & R
WIRE NUT THE WIRE NOT USED
† FOR CANADIAN UNITS ONLY

▲ TRANSFORMER NOT REQUIRED WITH 230V/3Ø
POWER SUPPLY AND 230V/25V CONTROL TRANSFORMER

8H6490B58 - Three-phase, intermittent pilot ignition, non-100%
(and 100%) shut-off, fan time delay,
low-voltage thermostat, summer-winter switch**

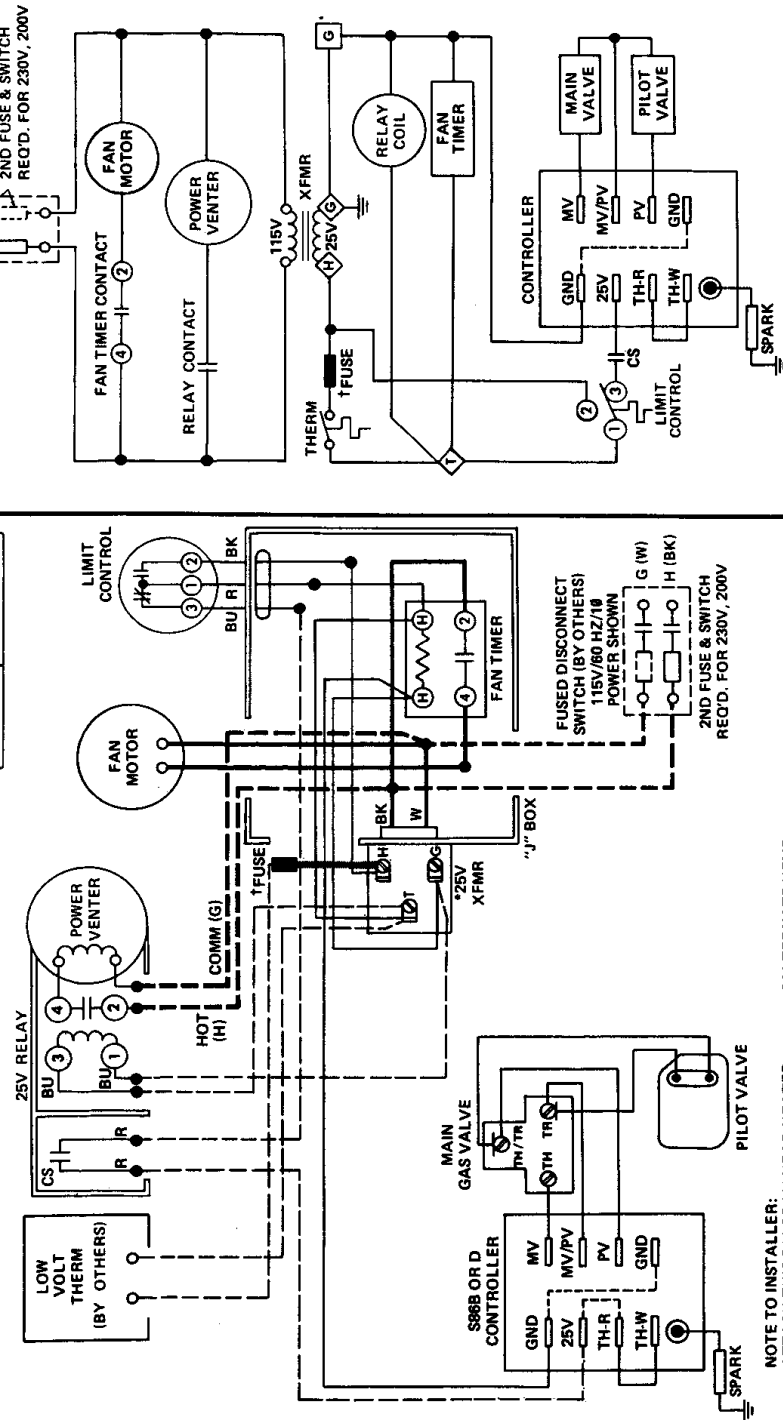


MODINE 6-430 WIRING DIAGRAM MODELS PA/BA

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
FIELD	LOW
WIRE NUT	---



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.

*ALTERNATE XFMR.

PRIMARY XFMR WIRES

230V/60HZ/1Ø-BK&YOR Ø

200V/60HZ/1Ø-BK & R

WIRE NUT THE WIRE NOT USED

†FOR CANADIAN UNITS ONLY

8H6490B59 — Single-phase, intermittent pilot ignition, non-100% (and 100%) shut-off, fan time delay, low-voltage thermostat, low-voltage controlled power venter**

115V/60HZ/1Ø SHOWN

H (BK), G (W)

FUSED DISCONNECT SWITCH (BY OTHERS)

2ND FUSE & SWITCH REQ'D. FOR 230V, 200V

◇ INDICATES TRANSFORMER TERMINAL

□ INDICATES PI CONTROLLER TERMINALS

**NON-100% SYSTEMS UTILIZE A S88B CONTROLLER
100% SYSTEMS UTILIZE A S86D CONTROLLER

†FOR CANADIAN UNITS ONLY



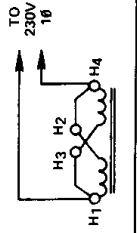
MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

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

LINE	LOW
FACTORY	---
FIELD	- - -
WIRE NUT	•

WITH 230V / 60 HZ/3Ø POWER SUPPLY
RECONNECT TRANSFORMER
PRIMARY AS SHOWN
FOR 230V / 115V



460V / 60 HZ/3Ø POWER SHOWN
FUSED DISCONNECT SWITCH
(BY OTHERS)

250 VA XFMR
460V/115V SHOWN
(BY OTHERS)

3Ø
STARTER
(BY OTHERS)

(BY OTHERS)

LOW
VOLT
THERM

CS

BU

R

25V RELAY

POWER
VENTER

COMM (G)

HOT (H)

FAN
MOTOR

LIMIT
CONTROL

BU

R

BK

25V

XFMR

FAN
TIMER

"J" BOX

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.

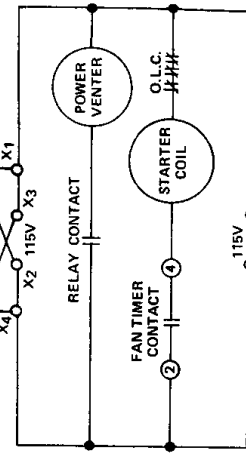
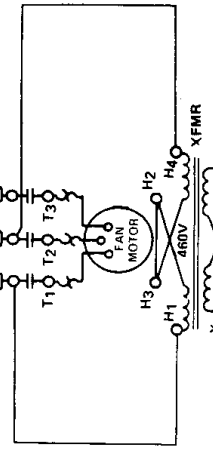
† FOR CANADIAN UNITS ONLY

▲ TRANSFORMER NOT REQUIRED WITH 230V/3Ø
POWER SUPPLY AND 230V/25V CONTROL TRANSFORMER

8H6490869 — Three-phase, intermittent pilot ignition, non-100%
(and 100% shut-off, fan time delay, low-voltage
thermostat, low-voltage controlled power venter**

460V / 60 HZ/3Ø POWER SHOWN

FUSED
DISCONNECT
SWITCH
(BY OTHERS)



THERM FUSE

115V

25V

XFMR

RELAY COIL

FAN TIMER

CONTROLLER

MV

MV/PV

PV

GND

TH-R

TH-W

CS

LIMIT
CONTROL

SPARK

† FOR CANADIAN UNITS ONLY

**NON-100% SYSTEMS UTILIZE A S86B CONTROLLER
100% SYSTEMS UTILIZE A S86D CONTROLLER

◇ INDICATES TRANSFORMER TERMINAL

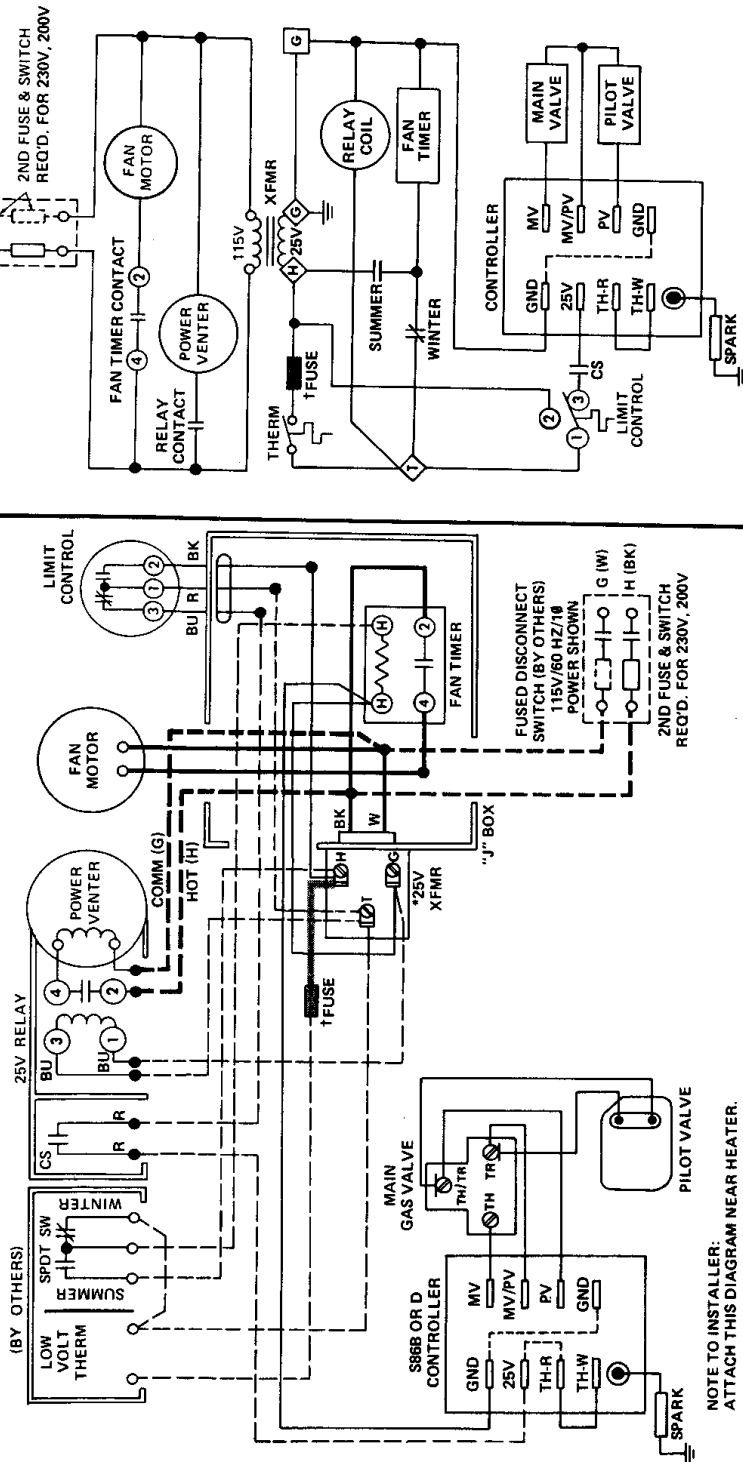
□ INDICATES IPI CONTROLLER TERMINAL



MODINE 6-430 WIRING DIAGRAM MODELS PA/BA

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	
LINE	LOW
FACTORY	FIELD
WIRE NUT	



*ALTERNATE XFMR.
PRIMARY XFMR WIRES
230V/60HZ/1Ø - BK&Y/OR O)
200V/60HZ/1Ø - BK & R
WIRE NUT THE WIRE NOT USED
†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.

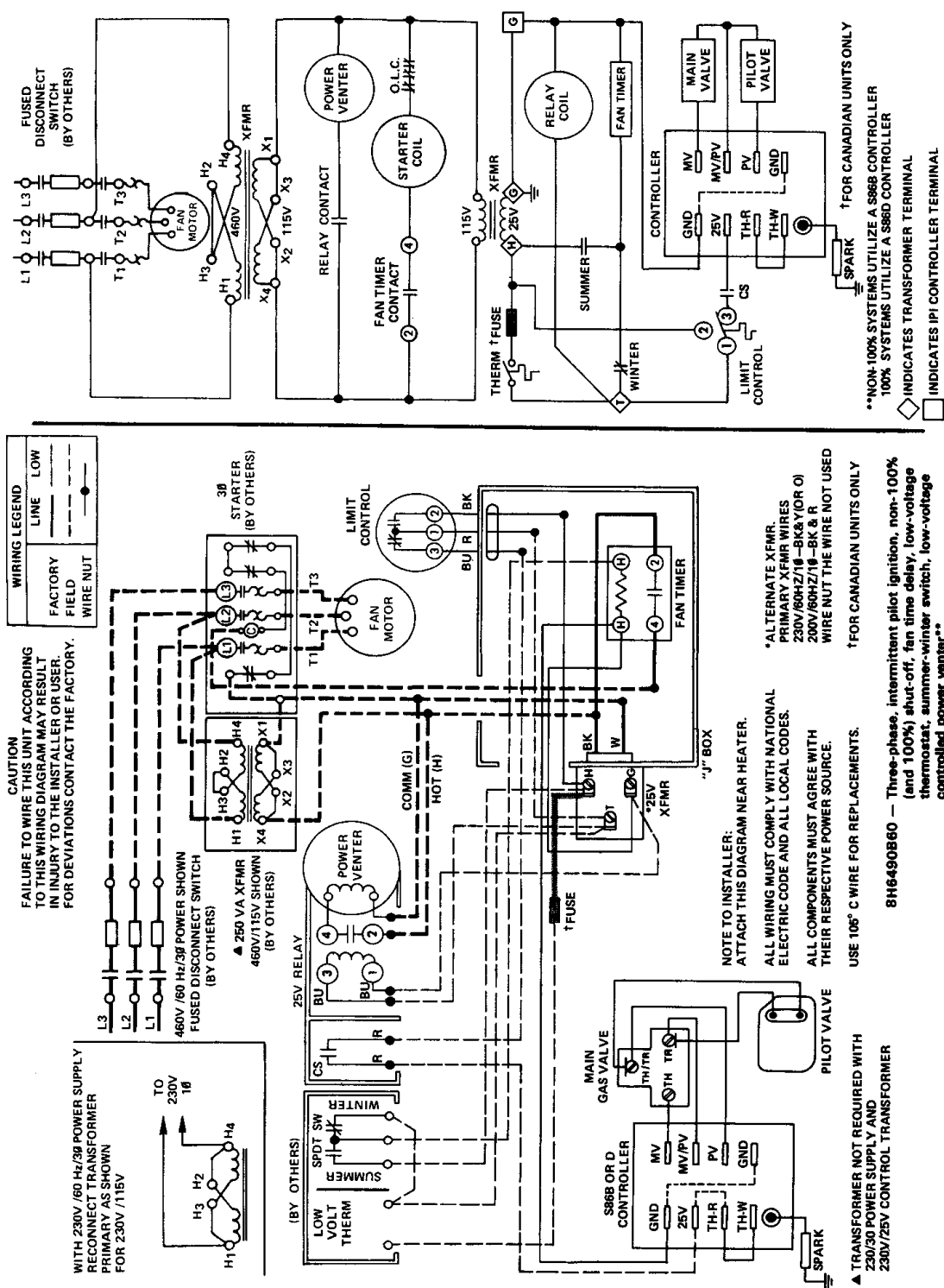
◇ INDICATES TRANSFORMER TERMINAL
□ INDICATES IPI CONTROLLER TERMINALS

**NON-100% SYSTEMS UTILIZE A S88B CONTROLLER
100% SYSTEMS UTILIZE A S88D CONTROLLER
†FOR CANADIAN UNITS ONLY

8H6490860 — Single-phase, intermittent pilot ignition, non-100%
(and 100%) shut-off, fan time delay, low-voltage
thermostat, summer-winter switch, low-voltage
controlled power venter**



MODINE 6-430 WIRING DIAGRAM MODELS PA, BA



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.

*FOR CANADIAN UNITS ONLY

8H6490B60 — Three-phase, intermittent pilot ignition, non-100%
(and 100%) shut-off, fan time delay, low-voltage
thermostat, summer-winter switch, low-voltage
controlled power venter**

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

*ALTERNATE XFMR
PRIMARY XFMR WIRES
230V/60HZ/1Ø-BK&Y OR OI
200V/60HZ/1Ø-BK&R
WIRE NOT THE WIRE NOT USED