

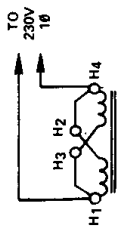


MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

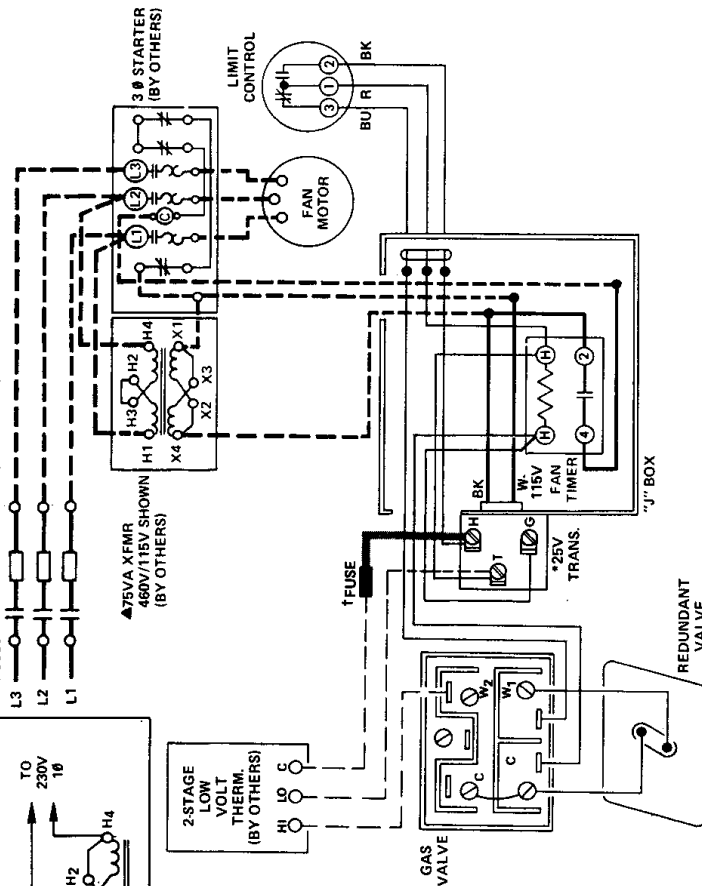
WIRING LEGEND	
LINE	LOW
FACTORY	FIELD
WIRE NUT	

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)

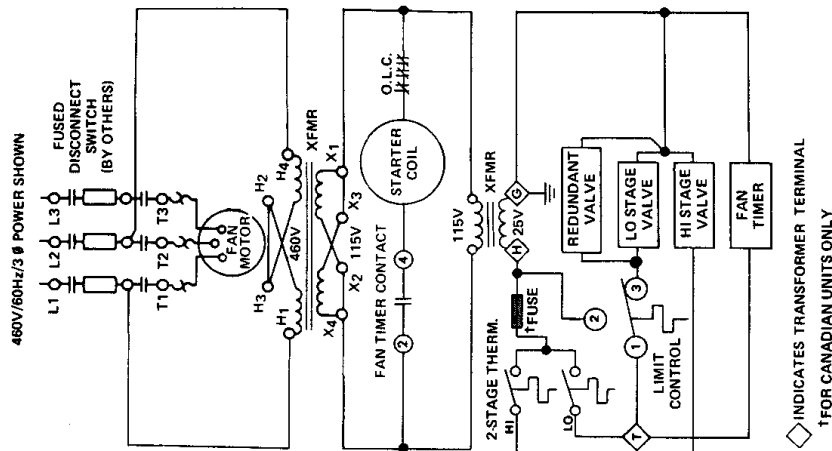


NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.
ALL WIRING MUST COMPLY WITH NATIONAL
ELECTRIC CODE AND ALL LOCAL CODES.
ALL COMPONENTS MUST AGREE WITH
THEIR RESPECTIVE POWER SOURCE.
USE 105° C WIRE FOR REPLACEMENTS.

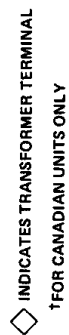
*ALTERNATE XFMR.
PRIMARY XFMR WIRES
230V/60HZ/1Ø —BK&Y OR O
200V/60HZ/1Ø —BK & R
WIRE NUT THE WIRE NOT USED

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

5H70081B28 — Three-phase, 2-stage gas valve, standing pilot, 100% shut-off,
fan-time delay, 2-stage low voltage thermostat. (Rev. D)



◇ INDICATES TRANSFORMER TERMINAL
†FOR CANADIAN UNITS ONLY



USE 105° C WIRE FOR REPLACEMENTS.

†FOR CANADIAN UNITS ONLY

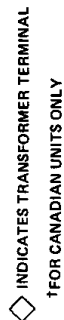
***FOR CANADIAN UNITS ONLY**

8H6490B61 — Single-phase, 2-stage gas valve, standing pilot, 100% shut-off, fan-time delay, 2-stage low-voltage thermostat, summer/winter switch. (Rev. A)

***FOR CANADIAN UNITS ONLY**

†FOR CANADIAN UNITS ONLY

INDICATES TRANSFORMED TERMINAL



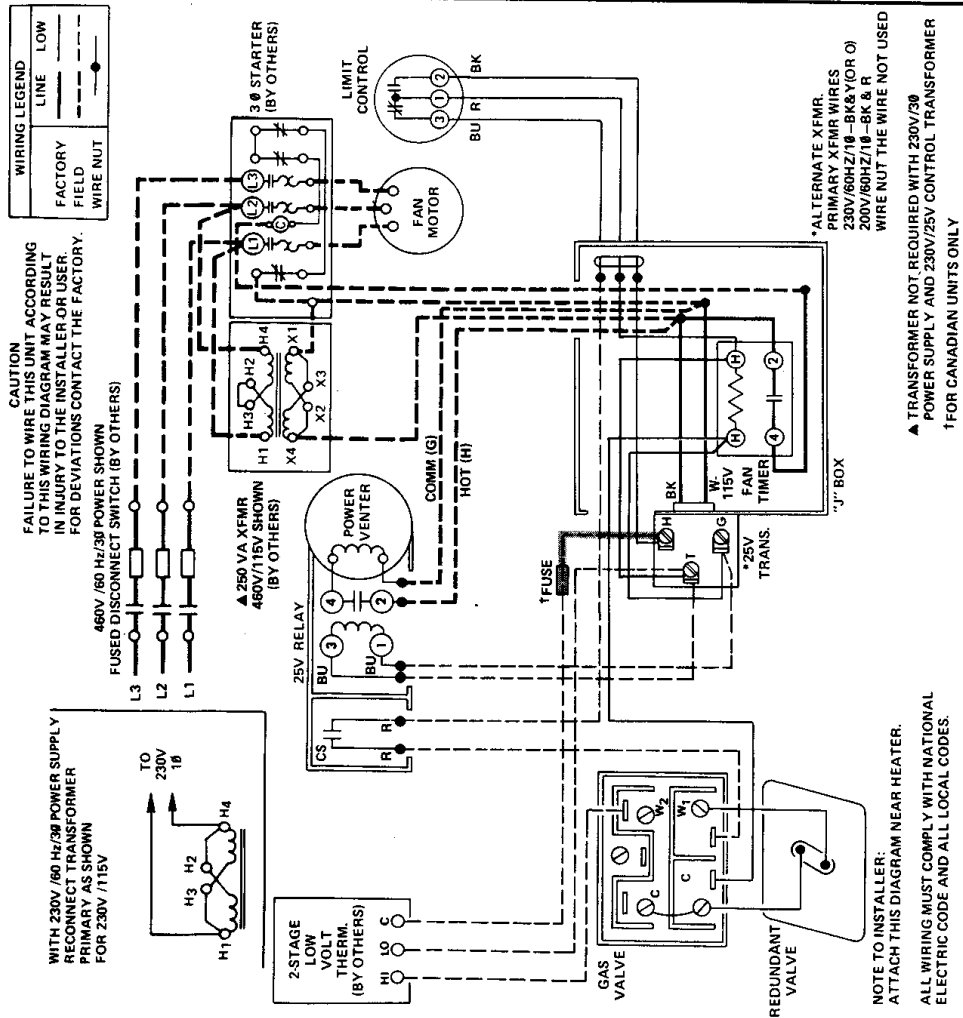
NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.

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

ALL COMPONENTS MUST AGREE WITH THEIR RESPECTIVE POWER SOURCE.

USE 105° C WIRE FOR REPLACEMENTS.

8H6490B62 — Single-phase, 2-stage gas valve, standing pilot, 100% shut-off, fan time delay, 2-stage low-voltage thermostat, low-voltage controlled power vent. (Rev. A)



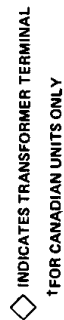
8H6490B65 — Three-phase, 2-stage gas valve, standing pilot, 100% shut-off, fan-time delay, 2-stage low-voltage thermostat, low-voltage controlled power vent. (Rev. A)

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.



BH6490B63 — Single-phase, 2-stage gas valve, standing pilot, 100% shut-off, fan time delay, 2-stage low-voltage thermostat, summer/winter switch, low-voltage controlled power vent.
(Rev. A)



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 REPLACEN

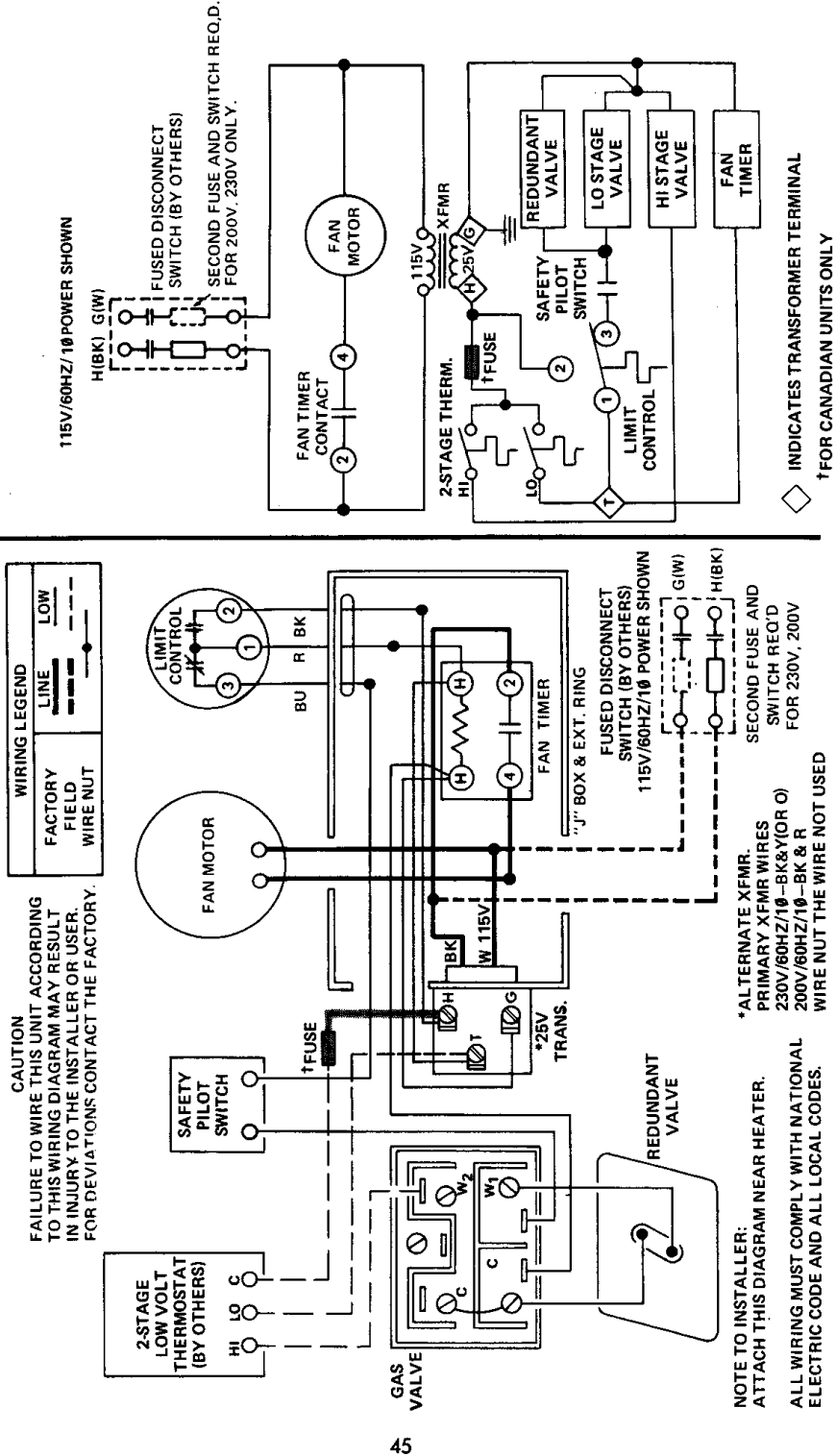
▲ TRANSFORMER NOT REQUIRED WITH 230V/3Ø
POWER SUPPLY AND 230V/25V CONTROL TRANSFORMER
† FOR CANADIAN UNITS ONLY

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

◇ INDICATES TRANSFORMER TERMINAL
† FOR CANADIAN UNITS ONLY



MODINE 6-430 WIRING DIAGRAM MODELS PA, BA



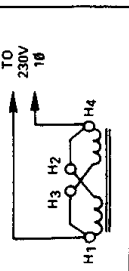


MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

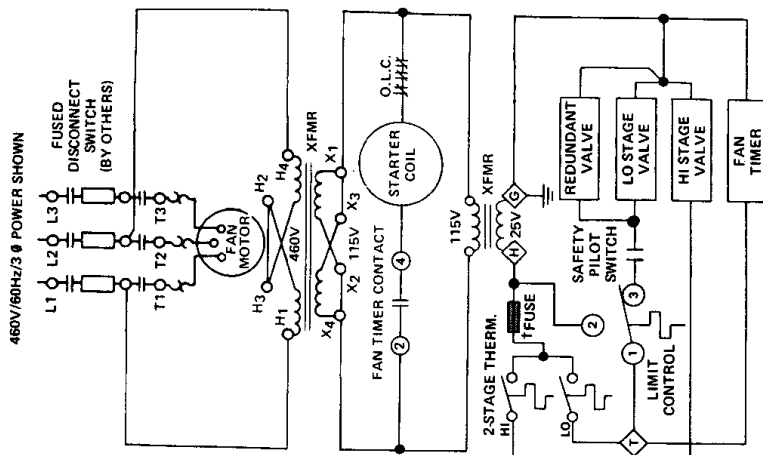
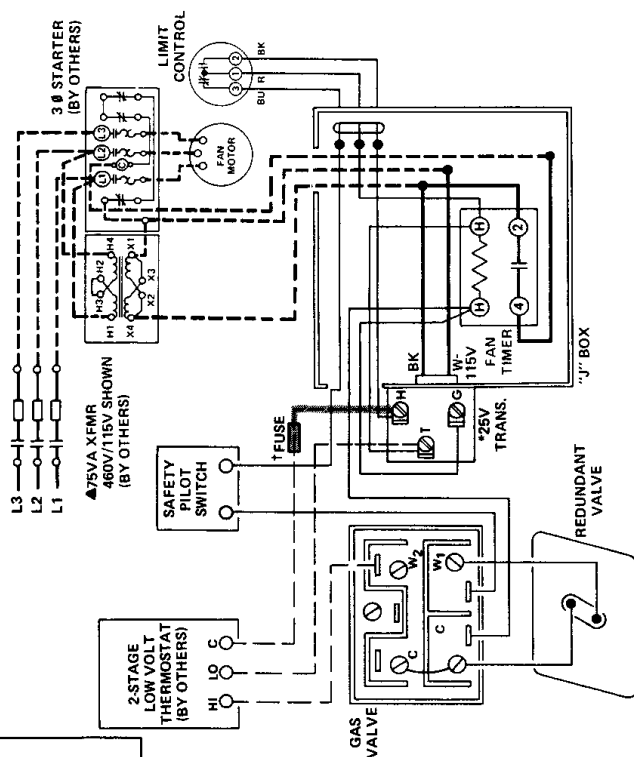
CAUTION
FAILURE TO WIRE THIS UNIT ACCORDING
TO THIS WIRING DIAGRAM MAY RESULT
IN INJURY TO THE INSTALLER OR USER.
FOR DEVIATIONS CONTACT THE FACTORY.

WIRING LEGEND	
LINE	LOW
FACILITY	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)



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

◇ INDICATES TRANSFORMER TERMINAL

† FOR CANADIAN UNITS ONLY

5H70081B30 — Three-phase, 2-stage gas valve, standing pilot, 100% shut-off,
fan-time delay, 2-stage low-voltage thermostat. (Rev. D)

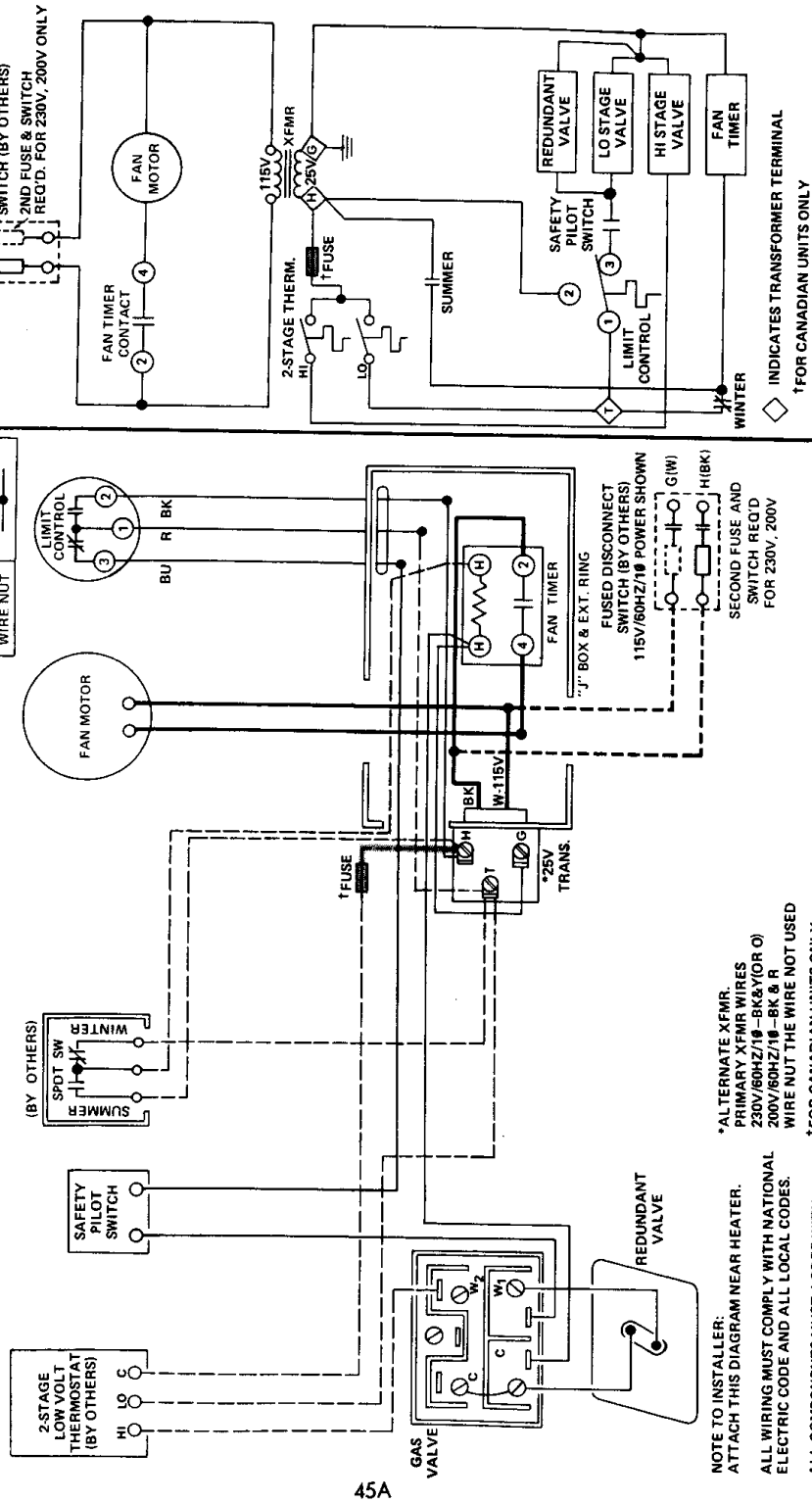


MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

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	
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/18-BK&Y(OR O)

200V/60HZ/18-BK & R

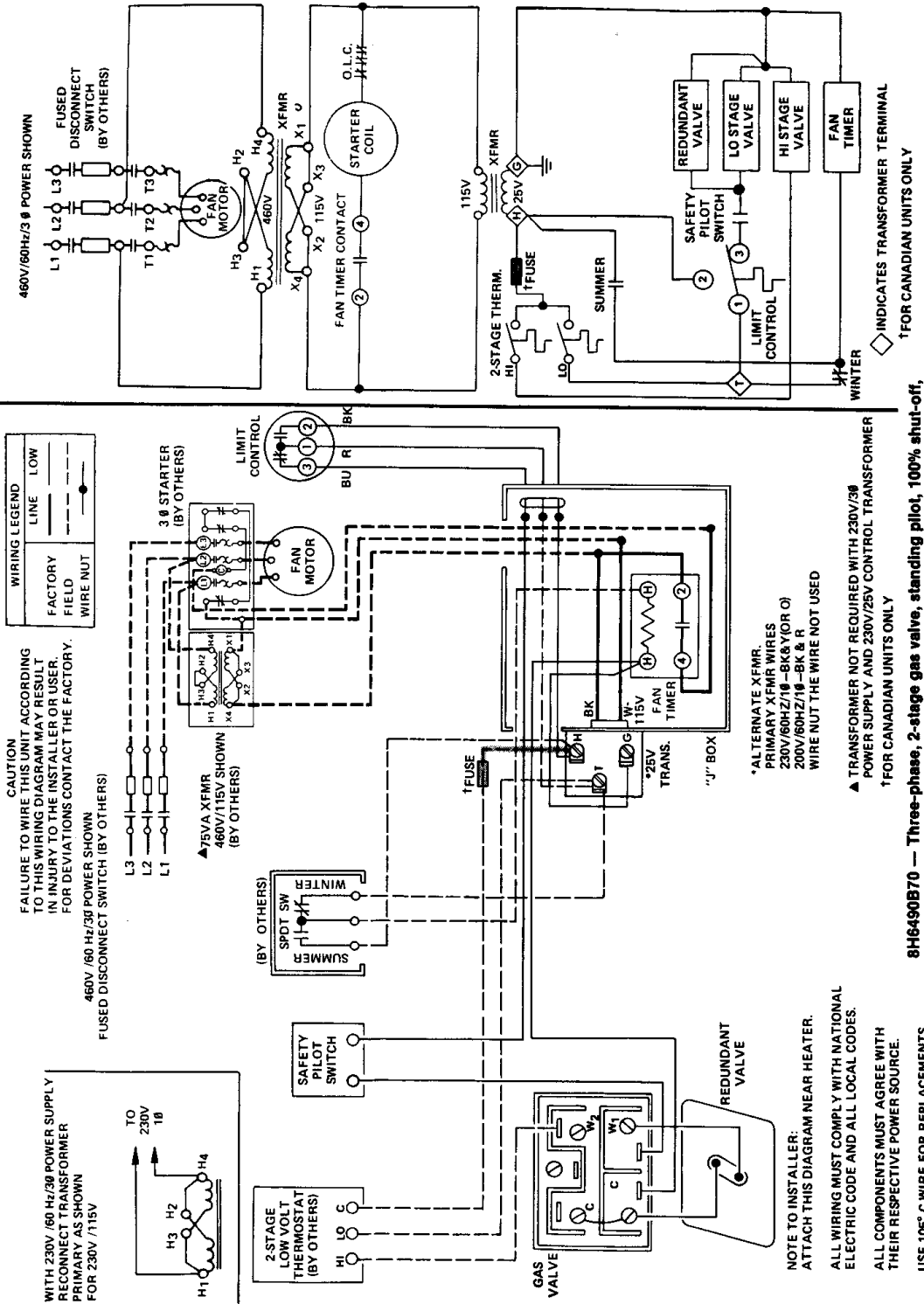
WIRE NUT THE WIRE NOT USED

*FOR CANADIAN UNITS ONLY

8H6490B67 — Single-phase, 2-stage gas valve, standing pilot, 100% shut-off, fan time delay, 2-stage low-voltage thermostat, summer/winter switch. (Rev. A)



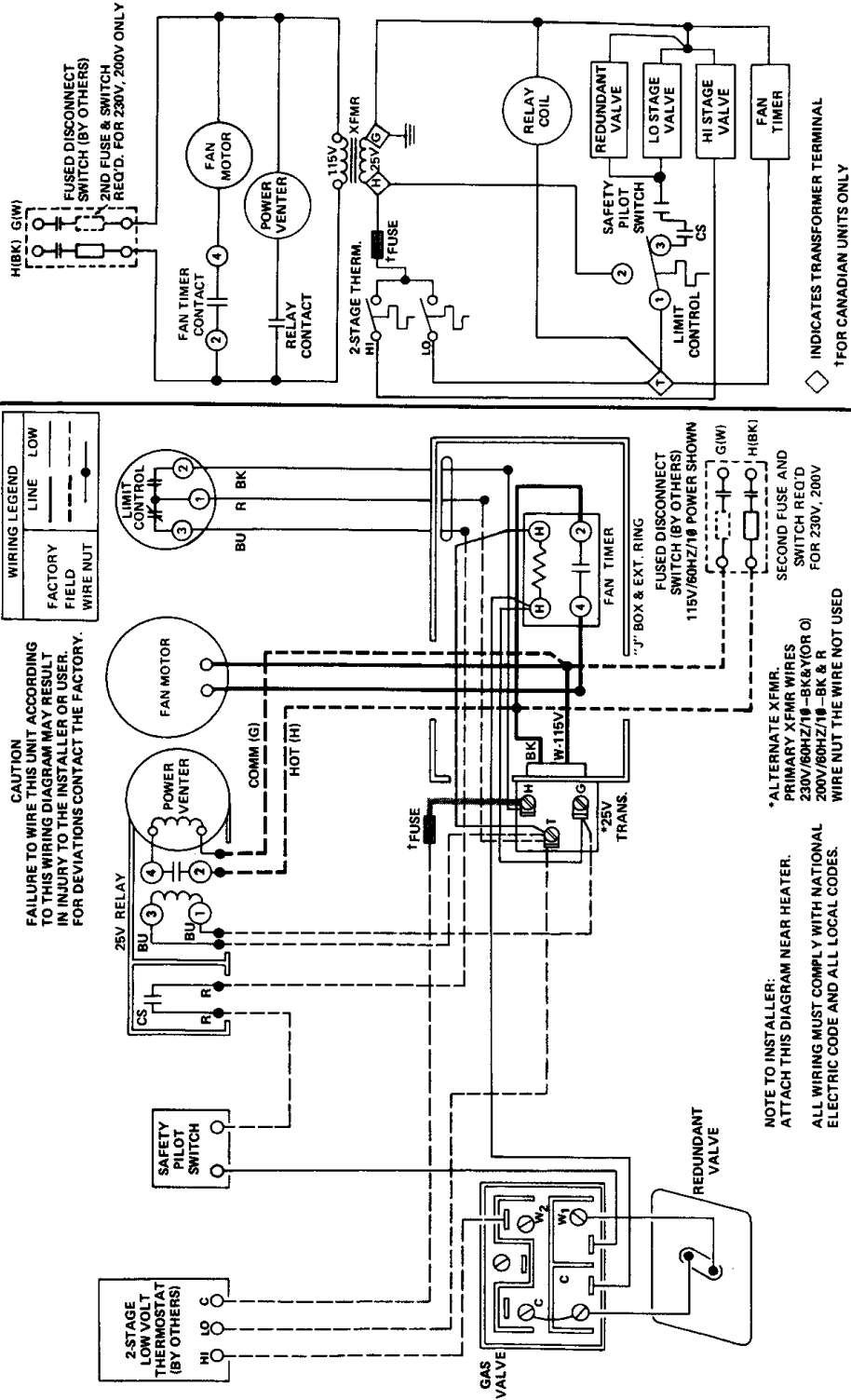
MODINE 6-430 WIRING DIAGRAM MODELS PA, BA





MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

115V/60HZ/1Ø POWER SHOWN



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.

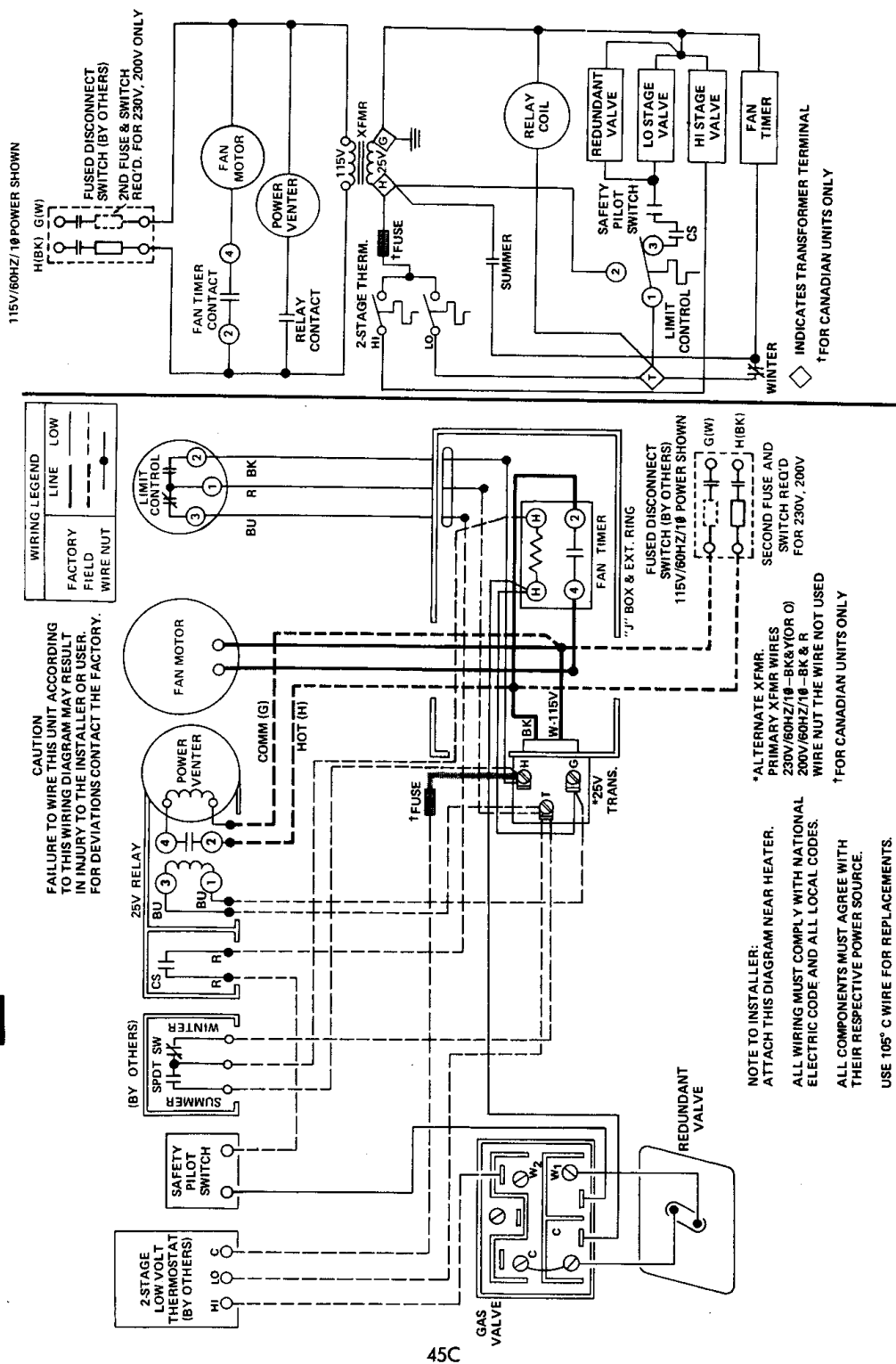
USE 105° C WIRE FOR REPLACEMENTS.

*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

*ALTERNATE XFMR.
SECOND FUSE AND
SWITCH REQ'D
FOR 230V, 200V

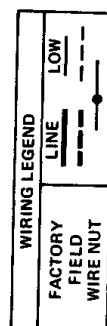
◇ INDICATES TRANSFORMER TERMINAL
†FOR CANADIAN UNITS ONLY

8H6490B68 — Single-phase, 2 stage gas valve, standing pilot,
100% shut-off, fan time delay, 2-stage low-voltage
thermostat, low-voltage power venter. (Rev. A)



8H6490B69 — Single-phase, 2-stage gas valve, standing pilot, 100% shut-off, fan-tine delay.
2-stage low-voltage thermostat, summer/winter switch, low-voltage controlled power vent.
(Rev. A)

CAUTION



NOTE TO INSTALLER:

**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

***NON-100% SYSTEM UTILIZE AN S86B CONTROLLER. 100% SYSTEMS UTILIZE AN S86D CONTROLLER.**

†FOR CANADIAN UNITS ONLY

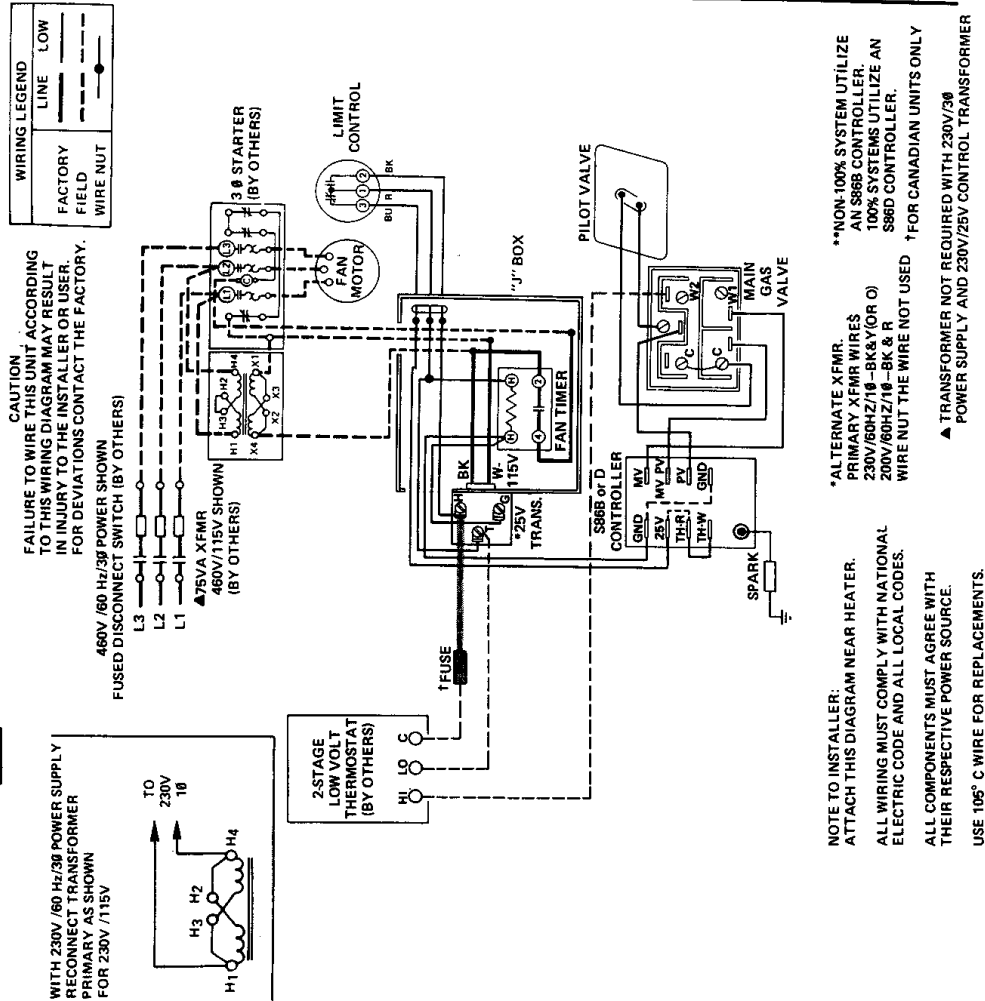
5H70081B27 — Single-phase, 2-stage gas valve, intermittent ignition, non-100% (and 100%) (and 100%) shut-off, fan time delay, 2-stage low-voltage thermostat. ** (Rev. B)



SPARK **CONTROLLER**

◊ INDICATES TRANSFORMER TERMINAL

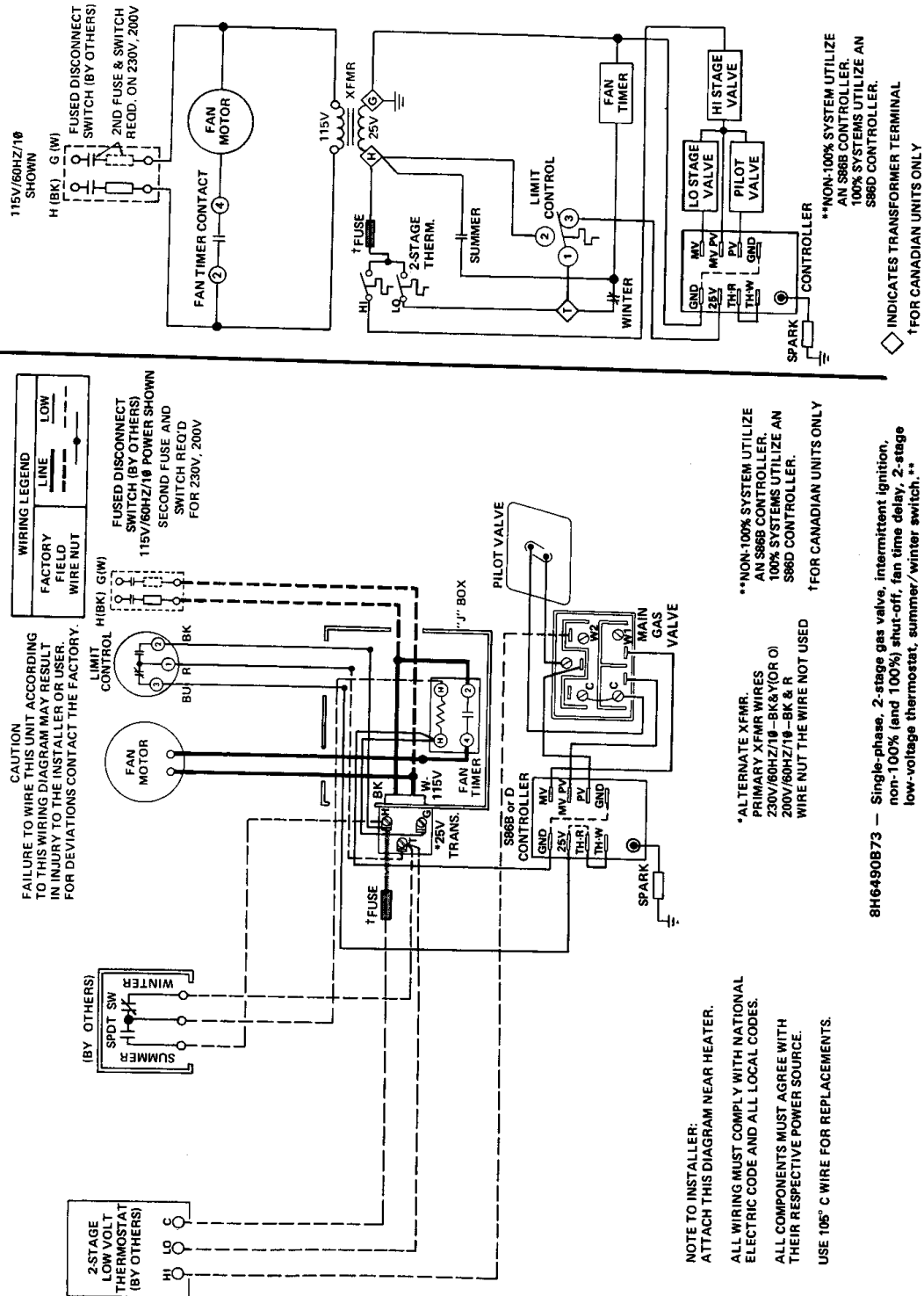
†FOR CANADIAN UNITS ONLY



5H70081B27 — Three-phase, 2-stage gas valve, intermittent ignition, non-100% (and 100%) shut-off, fan time delay, 2-stage low-voltage thermostat. ** (Rev. B)

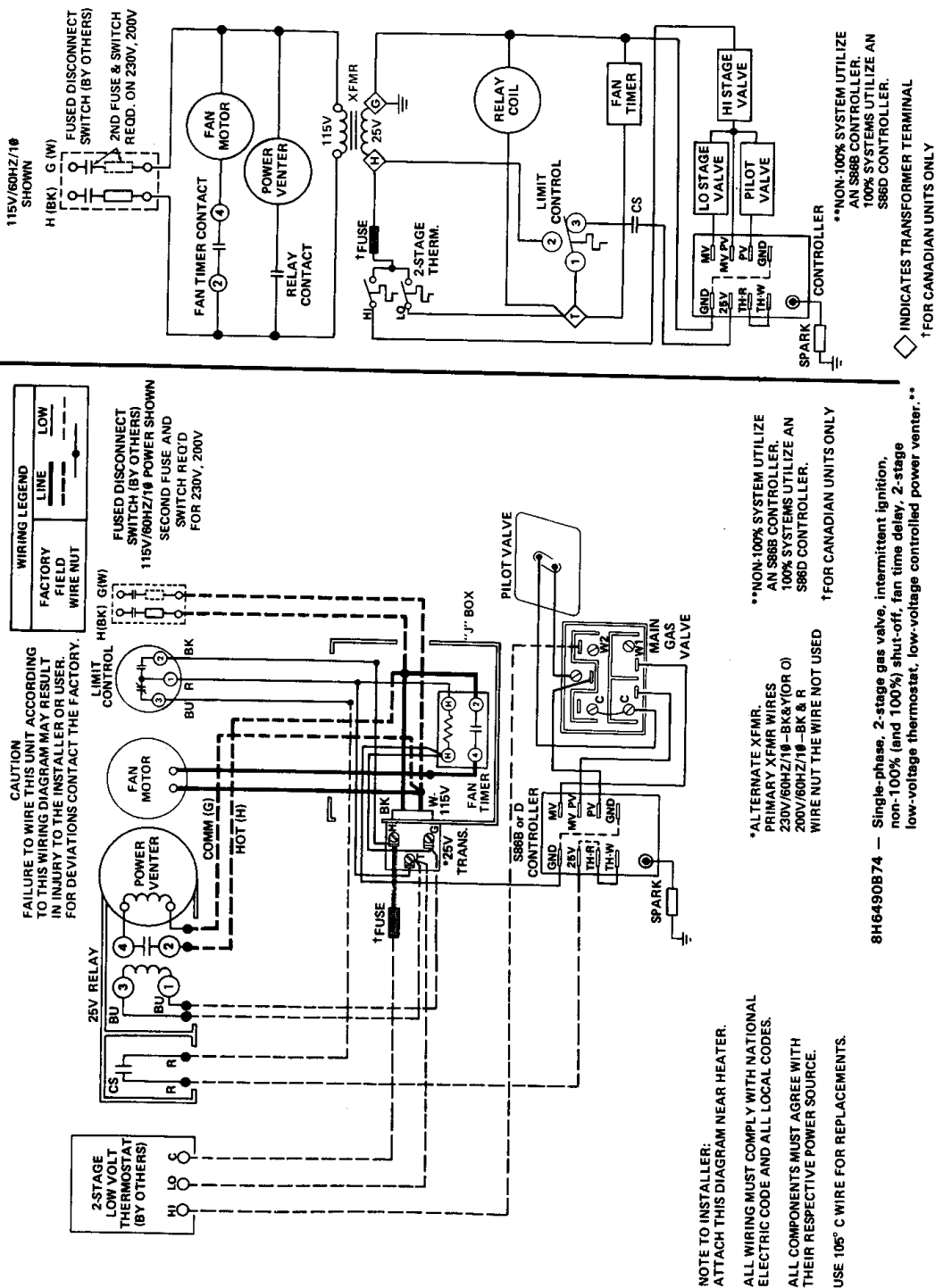


MODINE 6-430 WIRING DIAGRAM MODELS PA, BA



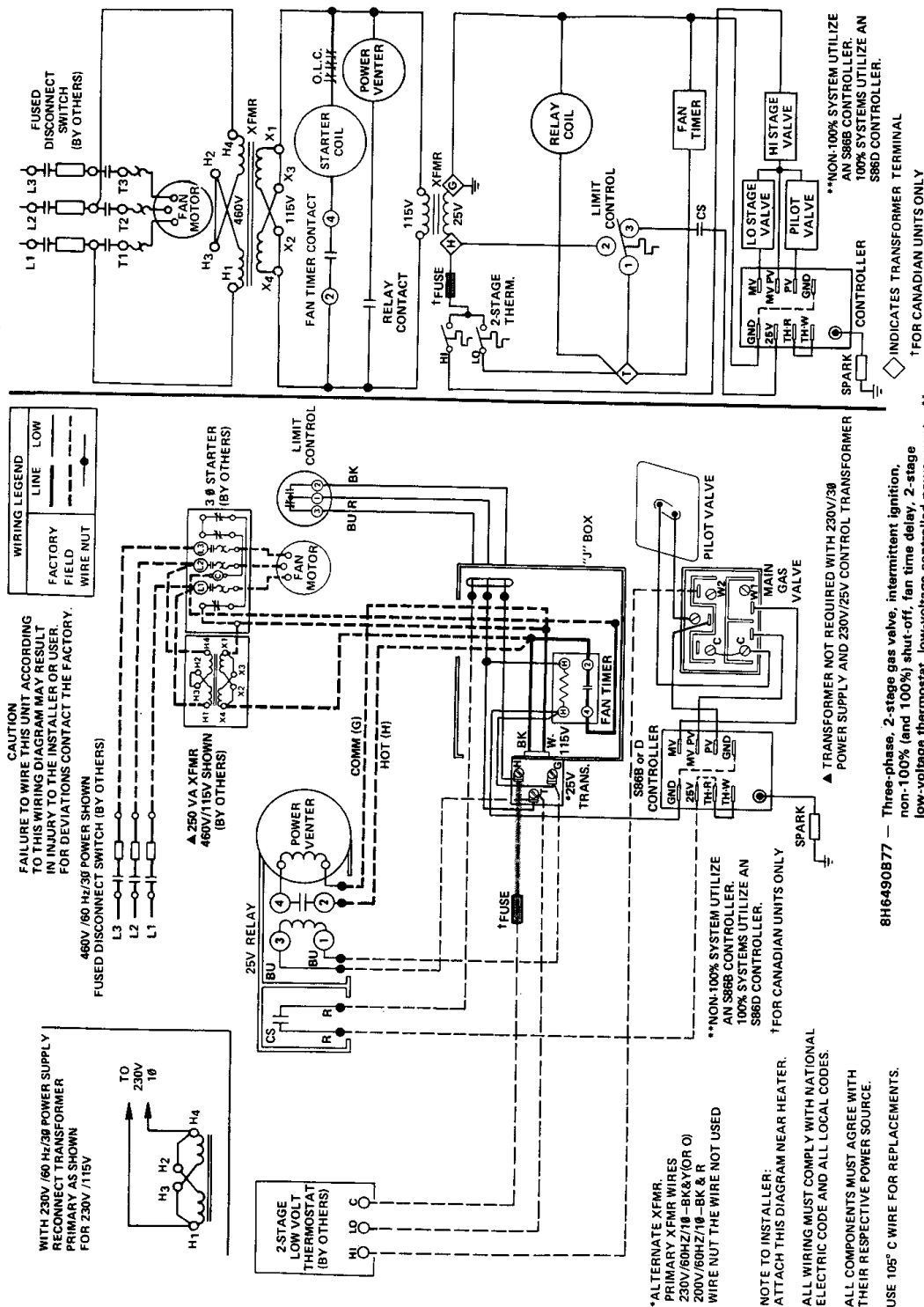


MODINE 6-430 WIRING DIAGRAM MODELS PA, BA



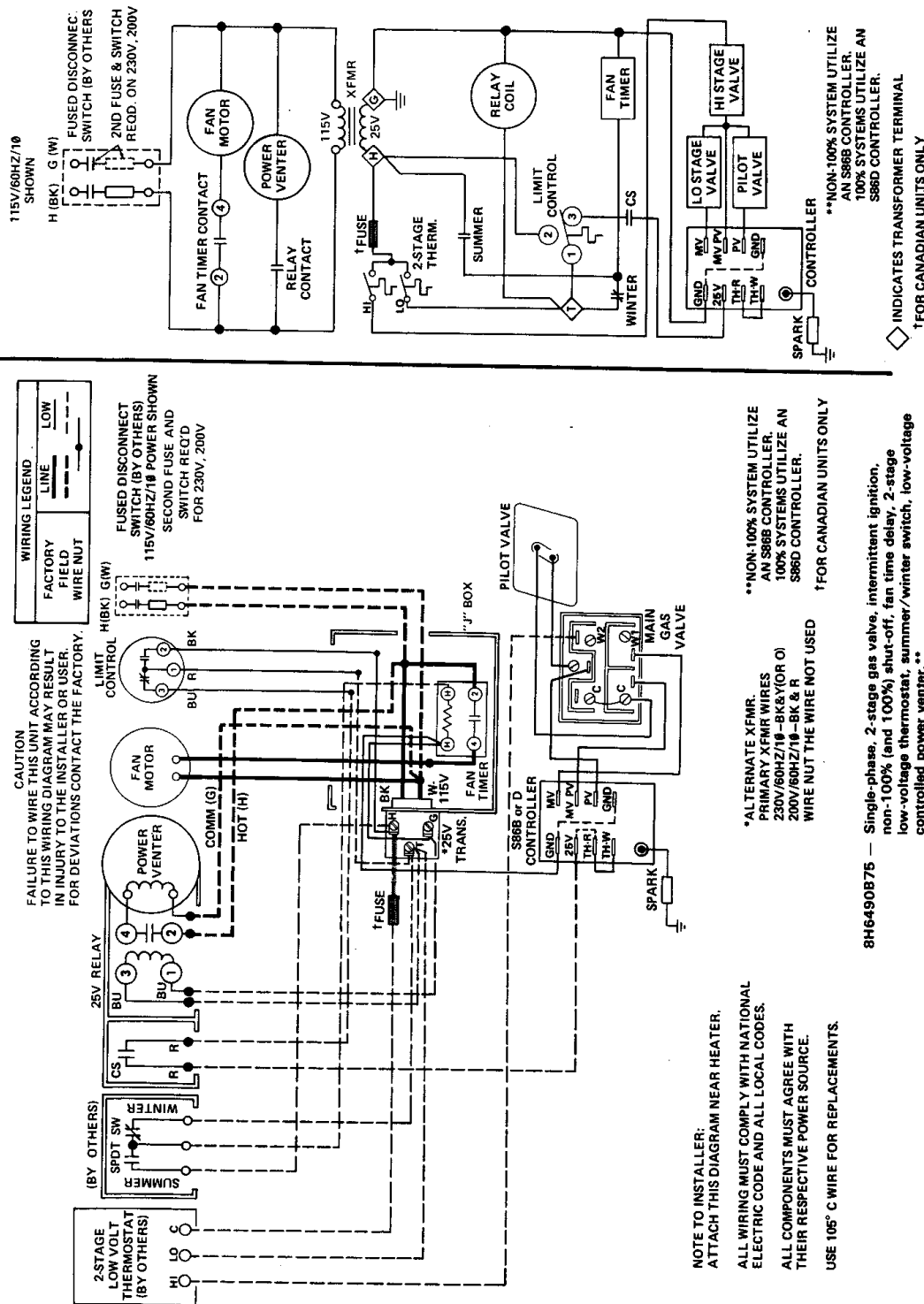


MODINE 6-430 WIRING DIAGRAM MODELS PA, BA





MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

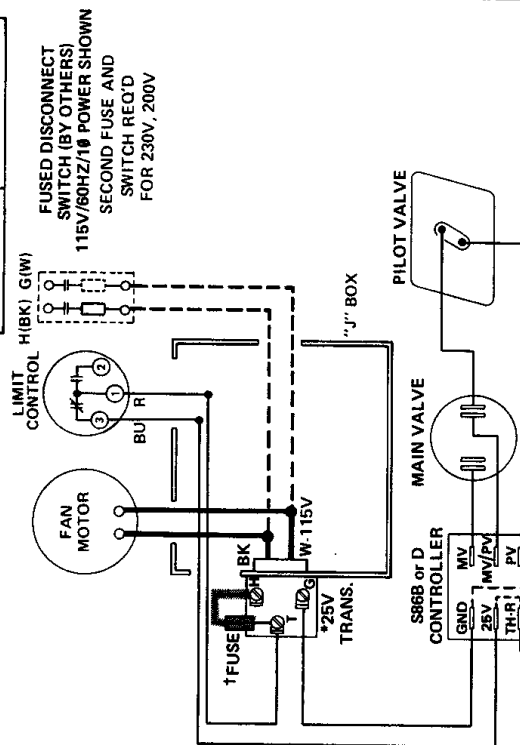




CAUTION

WIRING LEGEND	
FACTORY	LINE
FIELD	LOW
WIRE NUT	

**FUSED DISCONNECT
SWITCH (BY OTHERS)
115V/60HZ/10 POWER SHOWN
SECOND FUSE AND
SWITCH REQ'D
FOR 230V, 200V**



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

100

ALL COMPONENTS ARE TO BE SUBMITTED

1
 2
 3
 4
 5
 6
 7
 8
 9
 10
 11
 12
 13
 14
 15
 16
 17
 18
 19
 20
 21
 22
 23
 24
 25
 26
 27
 28
 29
 30
 31
 32
 33
 34
 35
 36
 37
 38
 39
 40
 41
 42
 43
 44
 45
 46
 47
 48
 49
 50
 51
 52
 53
 54
 55
 56
 57
 58
 59
 60
 61
 62
 63
 64
 65
 66
 67
 68
 69
 70
 71
 72
 73
 74
 75
 76
 77
 78
 79
 80
 81
 82
 83
 84
 85
 86
 87
 88
 89
 90
 91
 92
 93
 94
 95
 96
 97
 98
 99
 100
 101
 102
 103
 104
 105
 106
 107
 108
 109
 110
 111
 112
 113
 114
 115
 116
 117
 118
 119
 120
 121
 122
 123
 124
 125
 126
 127
 128
 129
 130
 131
 132
 133
 134
 135
 136
 137
 138
 139
 140
 141
 142
 143
 144
 145
 146
 147
 148
 149
 150
 151
 152
 153
 154
 155
 156
 157
 158
 159
 160
 161
 162
 163
 164
 165
 166
 167
 168
 169
 170
 171
 172
 173
 174
 175
 176
 177
 178
 179
 180
 181
 182
 183
 184
 185
 186
 187
 188
 189
 190
 191
 192
 193
 194
 195
 196
 197
 198
 199
 200
 201
 202
 203
 204
 205
 206
 207
 208
 209
 210
 211
 212
 213
 214
 215
 216
 217
 218
 219
 220
 221
 222
 223
 224
 225
 226
 227
 228
 229
 230
 231
 232
 233
 234
 235
 236
 237
 238
 239
 240
 241
 242
 243
 244
 245
 246
 247
 248
 249
 250
 251
 252
 253
 254
 255
 256
 257
 258
 259
 260
 261
 262
 263
 264
 265
 266
 267
 268
 269
 270
 271
 272
 273
 274
 275
 276
 277
 278
 279
 280
 281
 282
 283
 284
 285
 286
 287
 288
 289
 290
 291
 292
 293
 294
 295
 296
 297
 298
 299
 300
 301
 302
 303
 304
 305
 306
 307
 308
 309
 310
 311
 312
 313
 314
 315
 316
 317
 318
 319
 320
 321
 322
 323
 324
 325
 326
 327
 328
 329
 330
 331
 332
 333
 334
 335
 336
 337
 338
 339
 340
 341
 342
 343
 344
 345
 346
 347
 348
 349
 350
 351
 352
 353
 354
 355
 356
 357
 358
 359
 360
 361
 362
 363
 364
 365
 366
 367
 368
 369
 370
 371
 372
 373
 374
 375
 376
 377
 378
 379
 380
 381
 382
 383
 384
 385
 386
 387
 388
 389
 390
 391
 392
 393
 394
 395
 396
 397
 398
 399
 400
 401
 402
 403
 404
 405
 406
 407
 408
 409
 410
 411
 412
 413
 414
 415
 416
 417
 418
 419
 420
 421
 422
 423
 424
 425
 426
 427
 428
 429
 430
 431
 432
 433
 434
 435
 436
 437
 438
 439
 440
 441
 442
 443
 444
 445
 446
 447
 448
 449
 450
 451
 452
 453
 454
 455
 456
 457
 458
 459
 460
 461
 462
 463
 464
 465
 466
 467
 468
 469
 470
 471
 472
 473
 474
 475
 476
 477
 478
 479
 480
 481
 482
 483
 484
 485
 486
 487
 488
 489
 490
 491
 492
 493
 494
 495
 496
 497
 498
 499
 500
 501
 502
 503
 504
 505
 506
 507
 508
 509
 510
 511
 512
 513
 514
 515
 516
 517
 518
 519
 520
 521
 522
 523
 524
 525

*AI TERMINATE YEAR

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

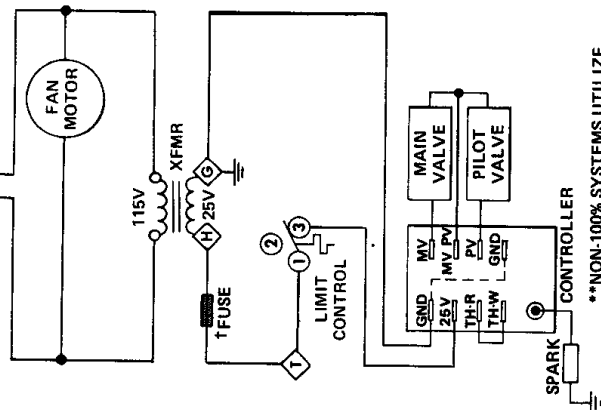
TRANSPARENCY

115V/60Hz/10 POWER SHOWN

H(BK) G(W)

FUSED DISCONNECT

SECOND ELISE AND SWITCH REO D



##NON-100% SYSTEMS ILLU 17E

+00000000000000000000

[illegible]

WIRING LEGEND	
FACTORY	LINE
FIELD	LOW
WIRE NUT	

▲75VA XE/MR
460V/115V SHOWN
(BY OTHERS)

3 Ø STARTER
(BY OTHERS)

LIMIT
CONTROL

FAN
MOTOR

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

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

5H70081B29 — Three-phase, mechanical modulation, Intermittent pilot ignition, non-100% (and 100%) shut-off. ** (Rev. F)

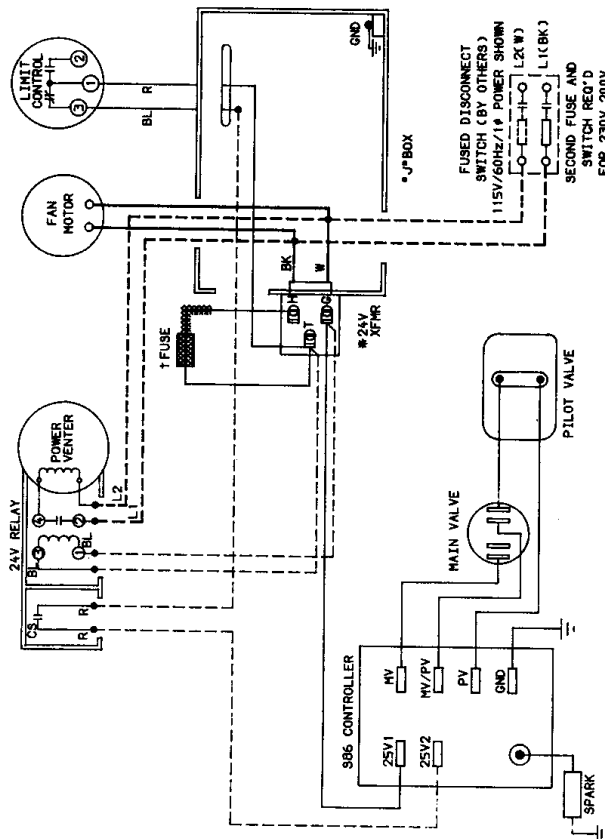


◇ INDICATES TRANSFORMER TERMINAL
†FOR CANADIAN UNITS ONLY

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

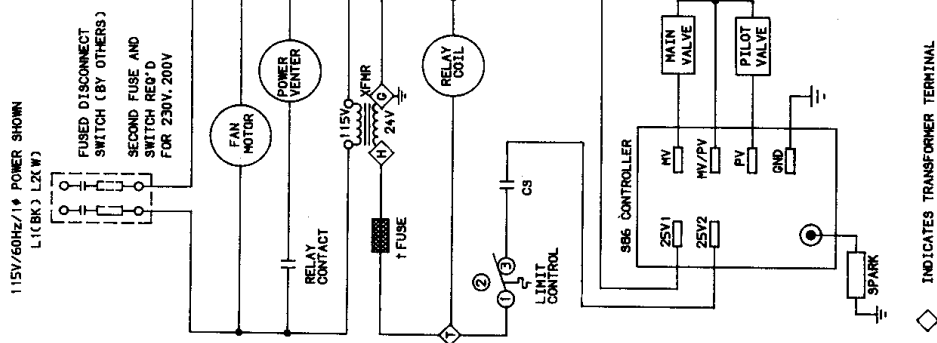


NOTE TO INSTALLER:

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.

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



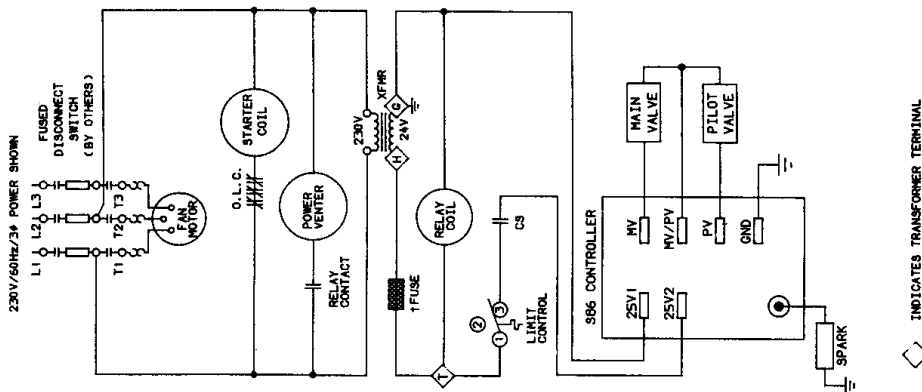
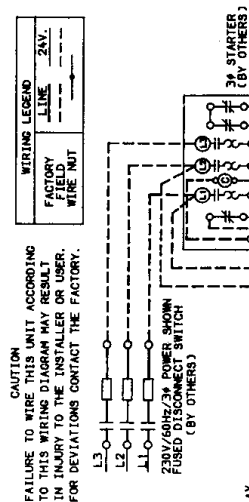
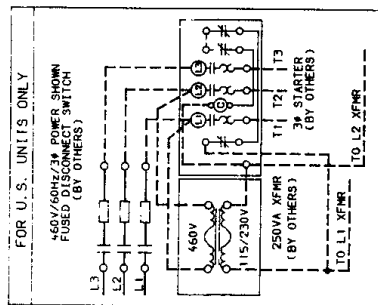
◇ INDICATES TRANSFORMER TERMINAL

† FOR CANADIAN UNITS ONLY

8H6490B79 — Single-phase, mechanical modulation, intermittent pilot ignition, non-100% (and 100%) shut-off, low-voltage controlled power venter. ** (Rev. A)



MODINE 6-430 WIRING DIAGRAM MODELS BA



INDICATES TRANSFORMER TERMINAL

† FOR CANADIAN UNITS ONLY

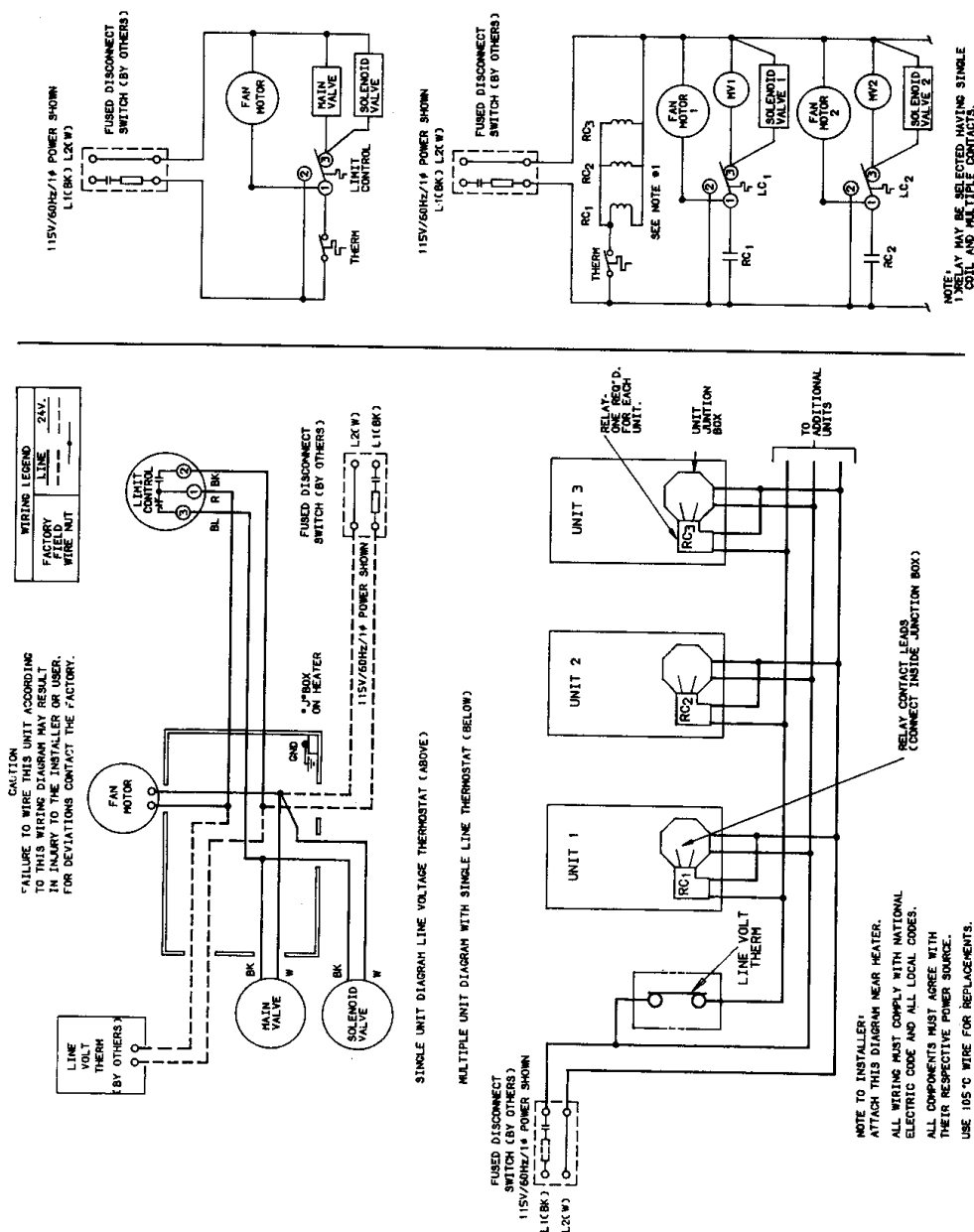
* ALTERNATE XFMR.
OPTIONAL XFMR. WIRING
230V/60Hz/3-PHASE (OR 0)
230V/60Hz/1-PHASE
WIRE NUT THE WIRE NOT USED
† FOR CANADIAN UNITS ONLY

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.

8H6490B80 — Three-phase, mechanical modulation, intermittent pilot ignition,
non-100% (and 100%) shut-off, low-voltage controlled
power venter. ** (Rev. A)



MODINE 6-430 WIRING DIAGRAM MODELS PA



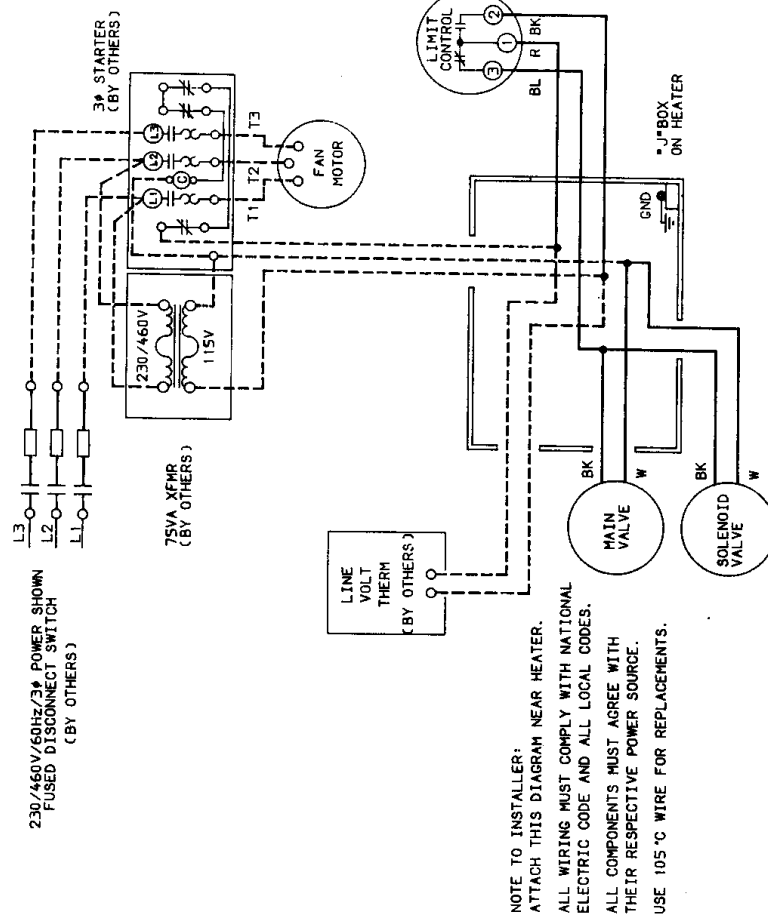


CAUTION
FAILURE TO WIRE THIS UNIT ACCORDING
TO THIS WIRING DIAGRAM MAY RESULT
IN INJURY TO THE INSTALLER OR USER.
FOR DEVIATIONS CONTACT THE FACTORY.

CAUTION

WIRING LEGEND

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

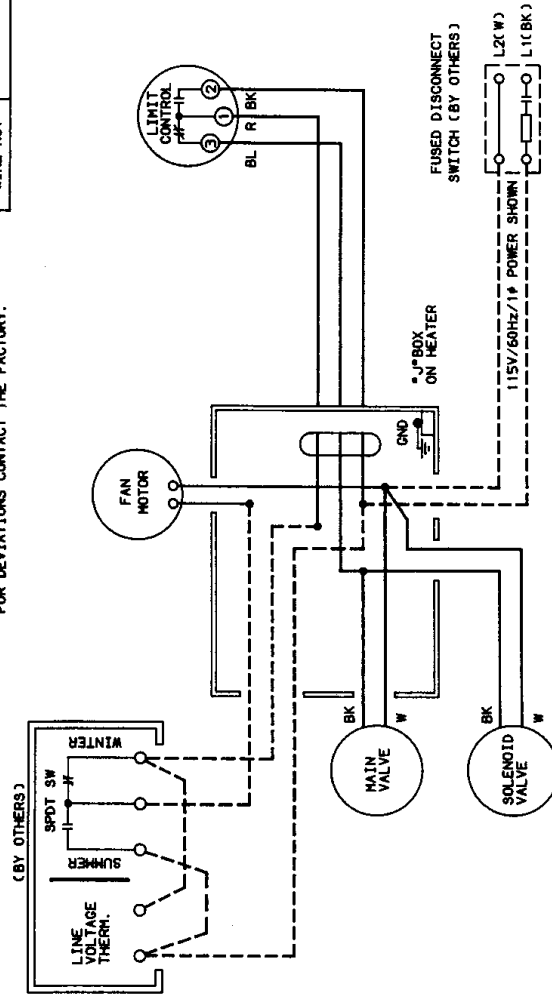


SH70081B36 -- Three-phase, standing pilot, 100% shut-off, line voltage thermostat.

MODINE 6-430 WIRING DIAGRAM MODELS PA

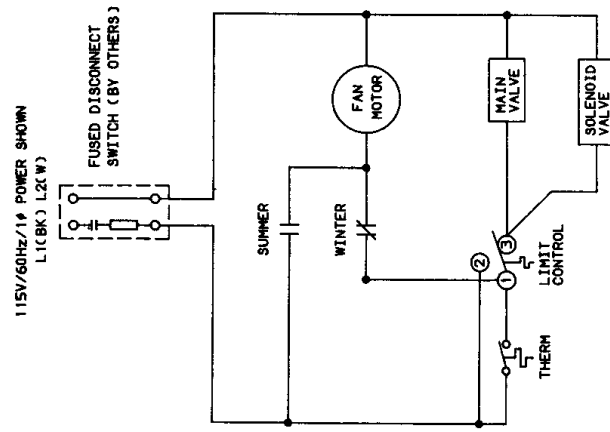
CAUTION
FAILURE TO WIRE THIS UNIT ACCORDING
TO THIS WIRING DIAGRAM MAY RESULT
IN INJURY TO THE INSTALLER OR USER.
FOR DEVIATIONS CONTACT THE FACTORY.

WIRING LEGEND	
FACTORY	SOLID LINE
FIELD	DASHED LINE
WIRE NOT	DOTTED LINE



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.

51A



8H6490B96 — Single-phase, standing pilot, 100% shut-off,
line-voltage thermostat, summer-winter switch.



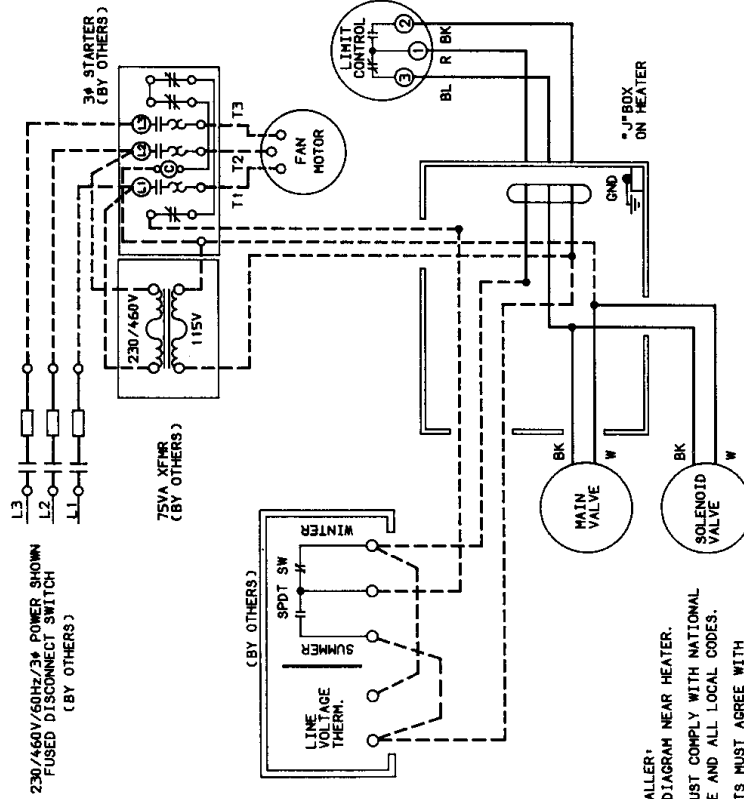
MODINE 6-430 WIRING DIAGRAM MODELS PA

FOR U.S. UNITS ONLY

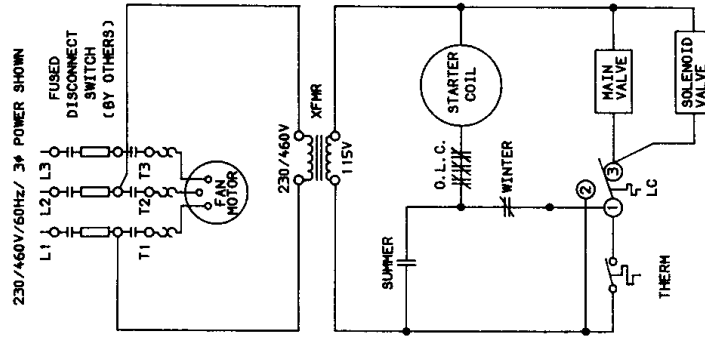
CAUTION

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 IN/UT	---	---



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.



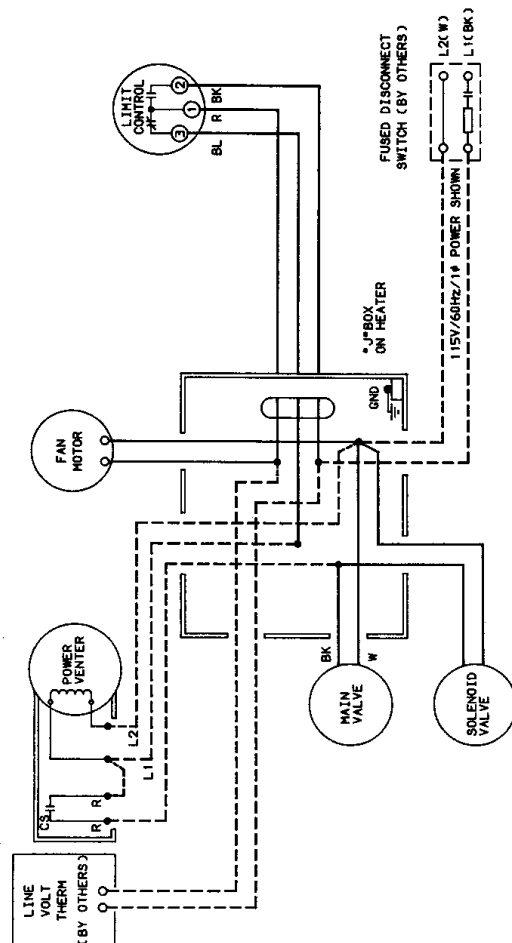
8H6490B96 — Three-phase, standing pilot, 100% shut-off,
line-voltage thermostat, summer-winter switch.



MODINE 6-430 WIRING DIAGRAM MODELS PA

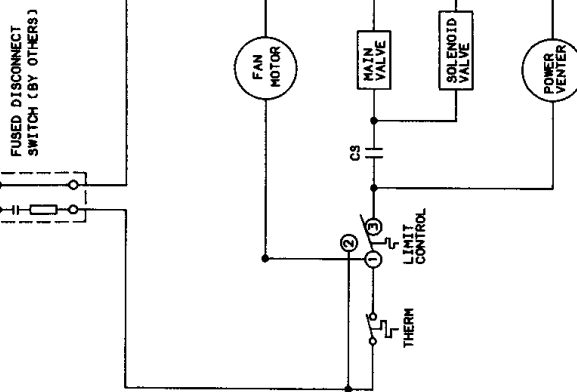
CAUTION
FAILURE TO WIRE THIS UNIT ACCORDING
TO THIS WIRING DIAGRAM MAY RESULT
IN INJURY TO THE INSTALLER OR USER.
FOR DEVIATIONS CONTACT THE FACTORY.

WIRING LEGEND	
FACTORY	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.

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



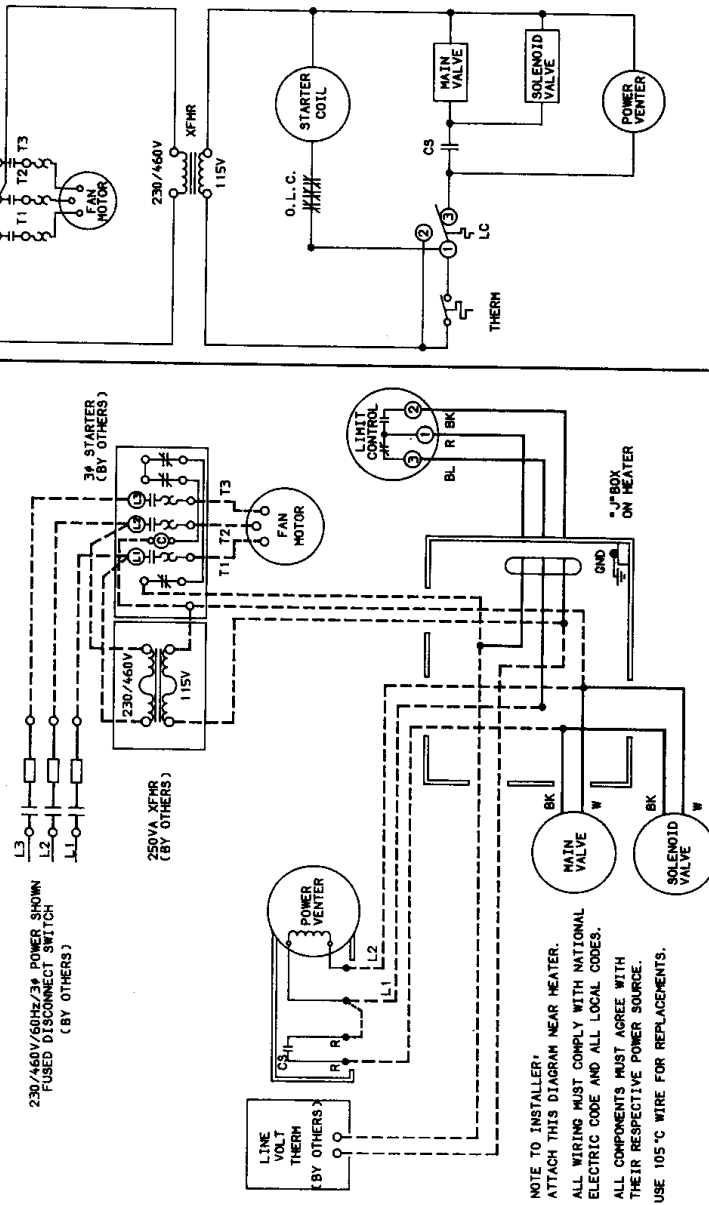
8H6490B97 — Single-phase, standing pilot, 100% shut-off,
line-voltage thermostat, power venter.



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 24V.
FIELD	---
WIRE NUT	—●—



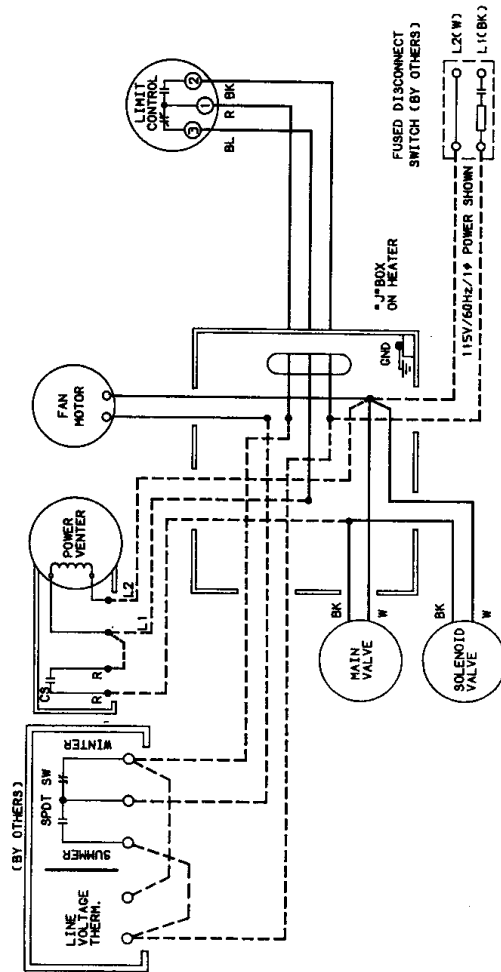
8H6490B97 — Three-phase, standing pilot, 100% shut-off, line-voltage thermostat, power venter.



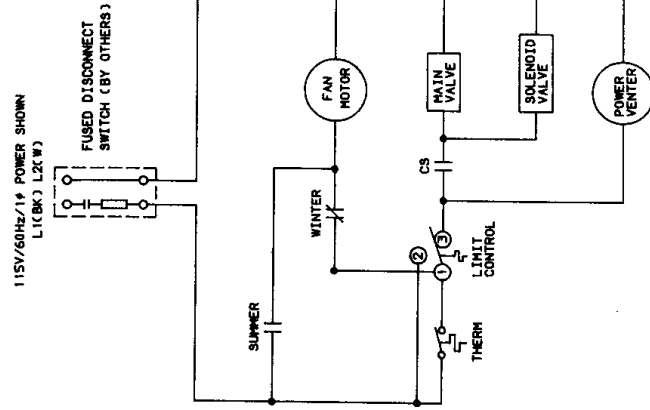
MODINE 6-430 WIRING DIAGRAM MODELS PA

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	24V
WIRE	---
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.



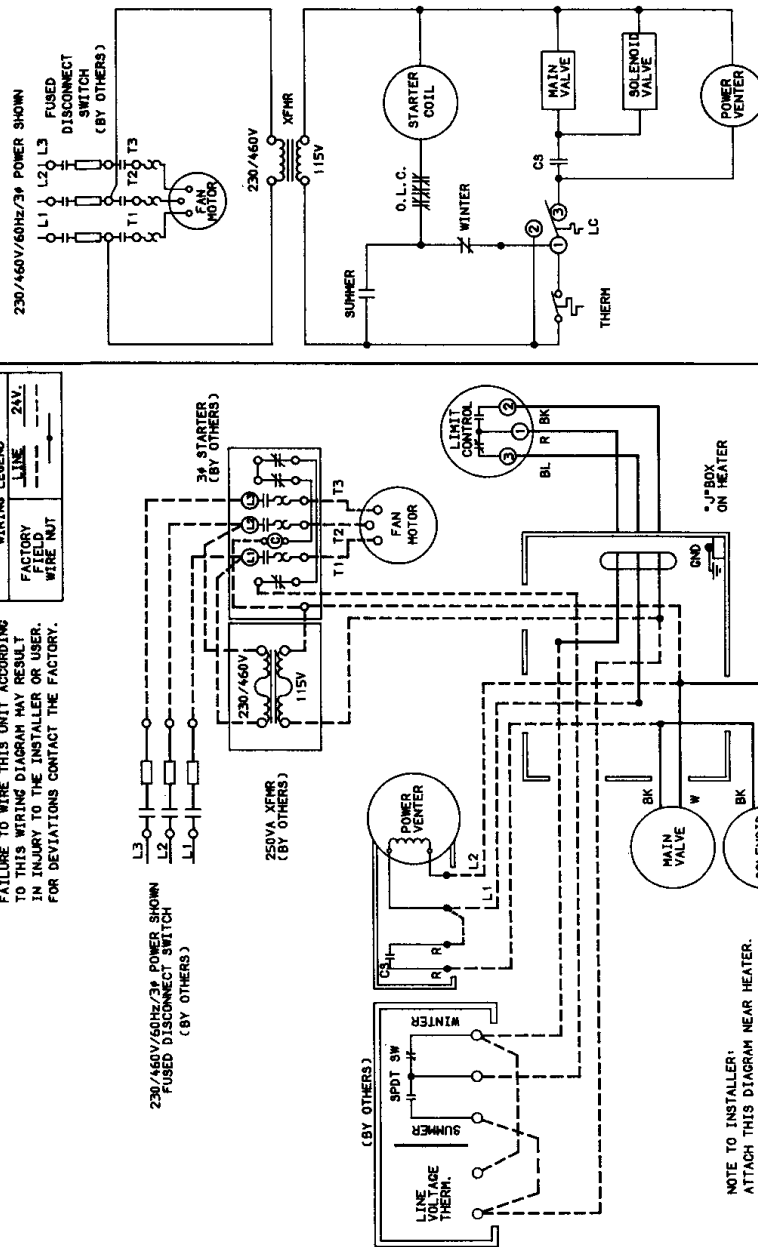
8H6490B98 — Single-phase, standing pilot, 100% shut-off,
line-voltage thermostat, summer/winter switch, power venter.



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 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.

8H6490B98 — Three-phase, standing pilot, 100% shut-off, line-voltage thermostat, summer/winter, power venter.

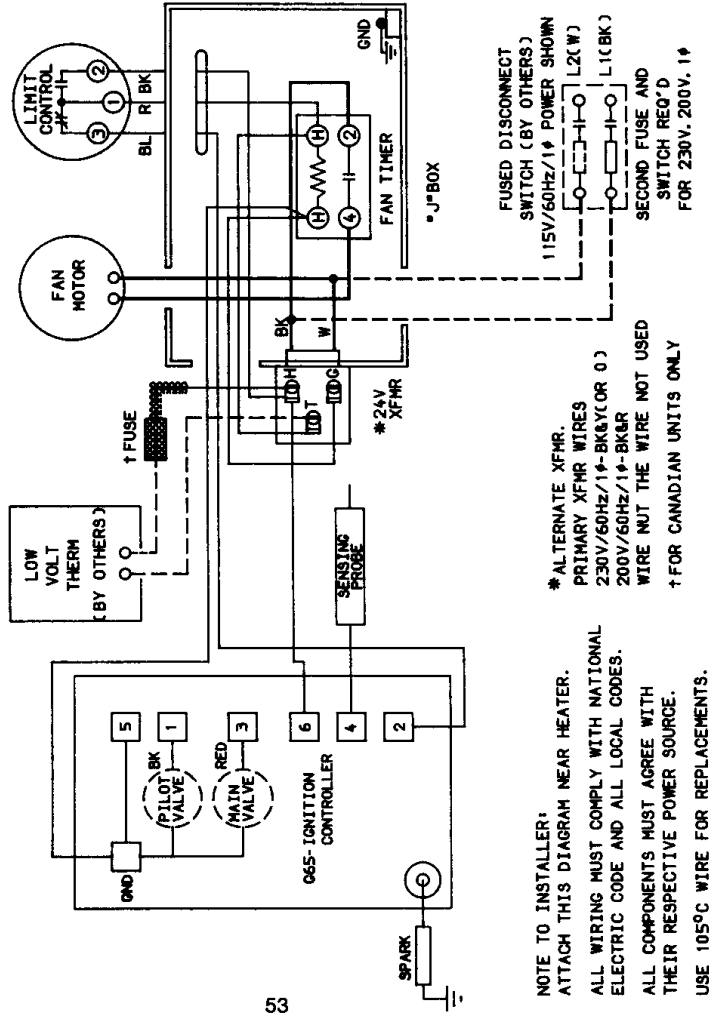


MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

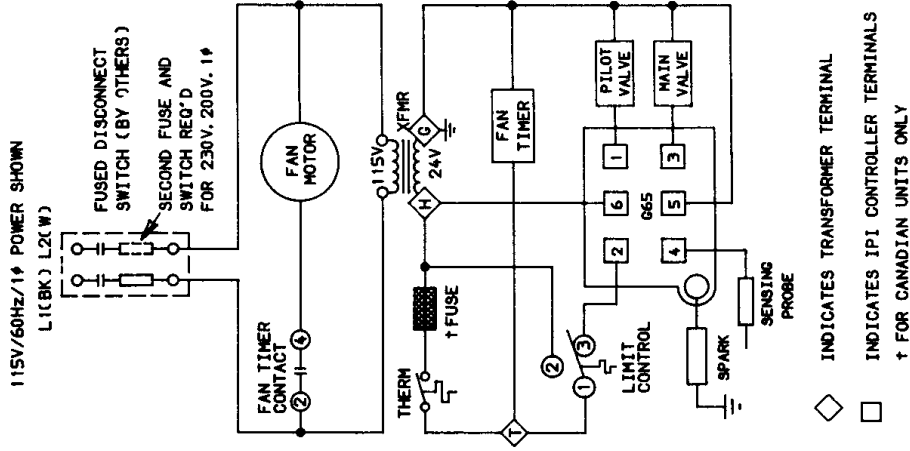
CAUTION

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		
FAN MOTOR	LINE	24V.
FAN MOTOR	FIELD	---
FAN MOTOR	WIRE NUT	---

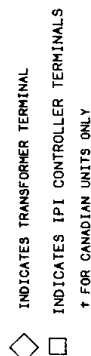


53

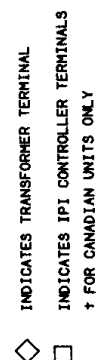


- ◇ INDICATES TRANSFORMER TERMINAL
- INDICATES IPI CONTROLLER TERMINALS
- † FOR CANADIAN UNITS ONLY

5H70081B32 — Single-phase, intermittent pilot ignition, non-100% (and 100%) shut-off, fan time delay, low-voltage thermostat. (Rev. B)

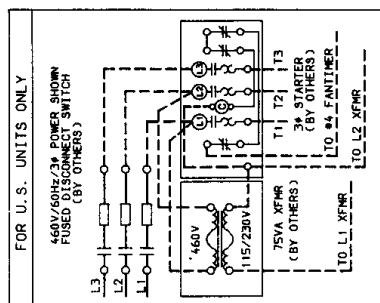


5H70081B32 — Three-phase, intermittent pilot ignition, non-100% (and 100%) shut-off, fan time delay, low-voltage thermostat. (Rev. B)



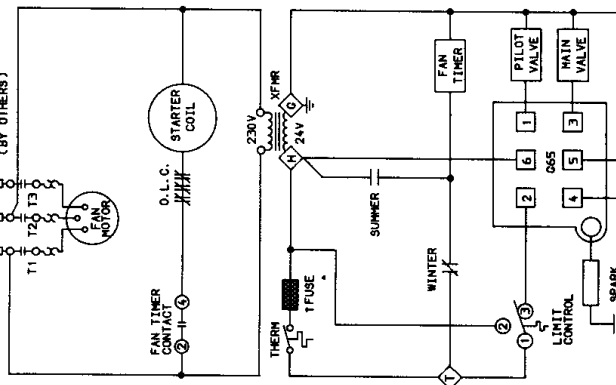
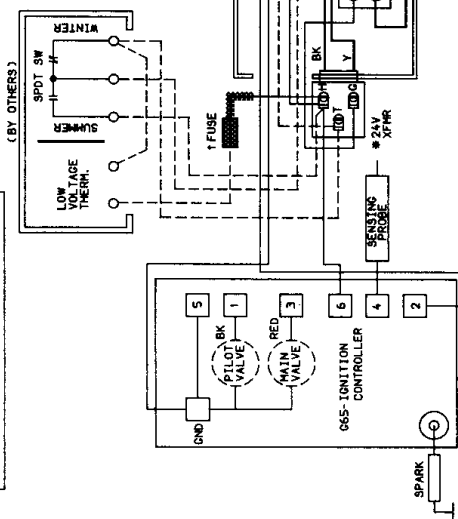
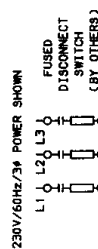
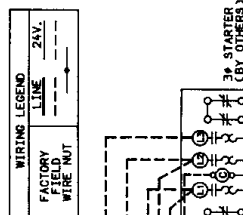
single-phase, intermittent pilot ignition, non-100% (and 100%)
but-off fan time delay, low-voltage thermostat, summer-winter switch. (Rev. A)

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.



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 Ø)
200V/60Hz/1Ø-BK&R
WIRE NUT THE WIRE NOT USED
FOR CANADIAN UNITS ONLY

INDICATES TRANSFORMER TERMINAL

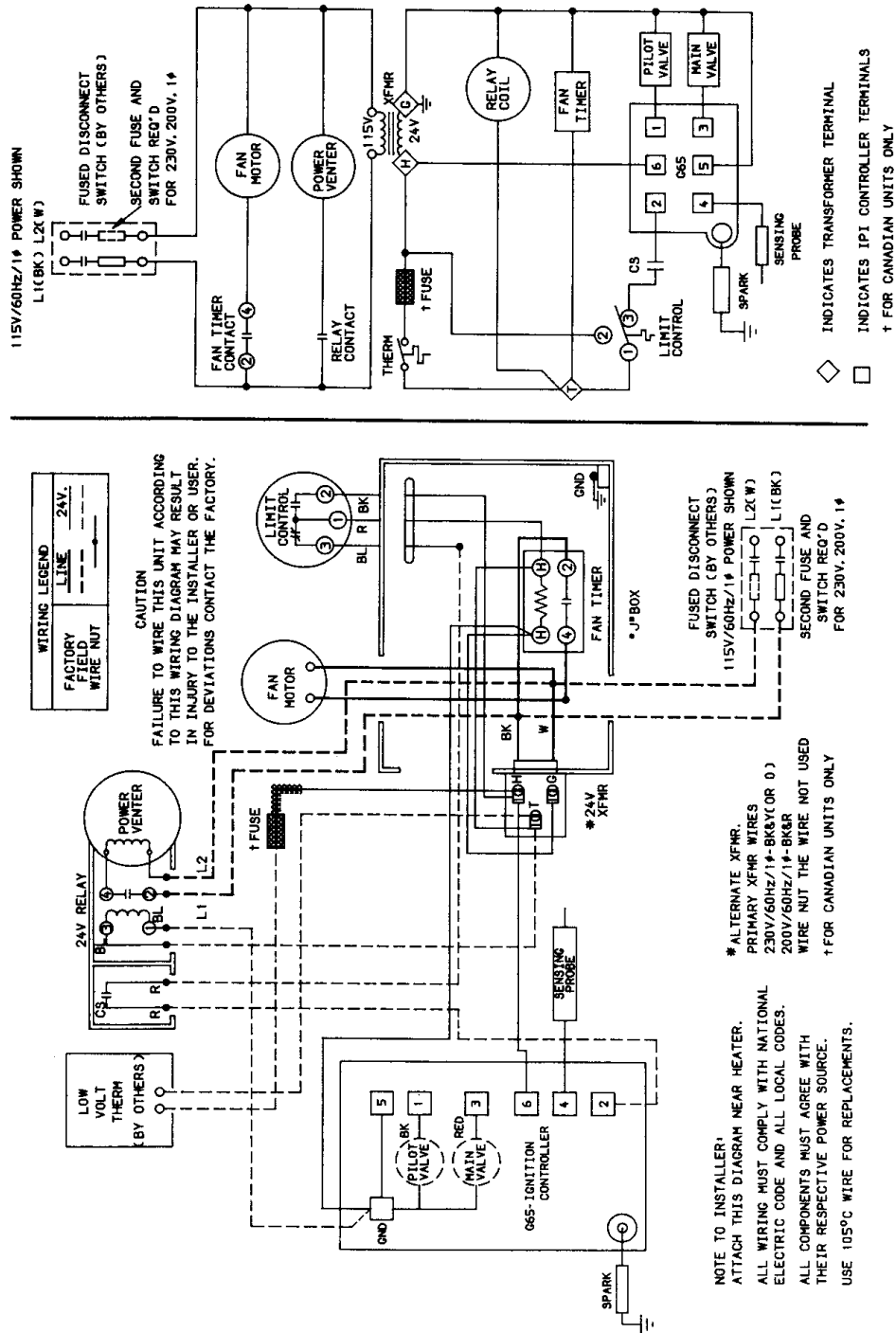
☐ INDICATES IPI CONTROLLER TERMINALS

FOR CANADIAN UNITS ONLY

8H6490B81 — Three-phase, intermittent pilot ignition, non-100% (and 100%) shut-off, fan time delay, low-voltage thermostat, summer-winter switch. (Rev. A)



MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

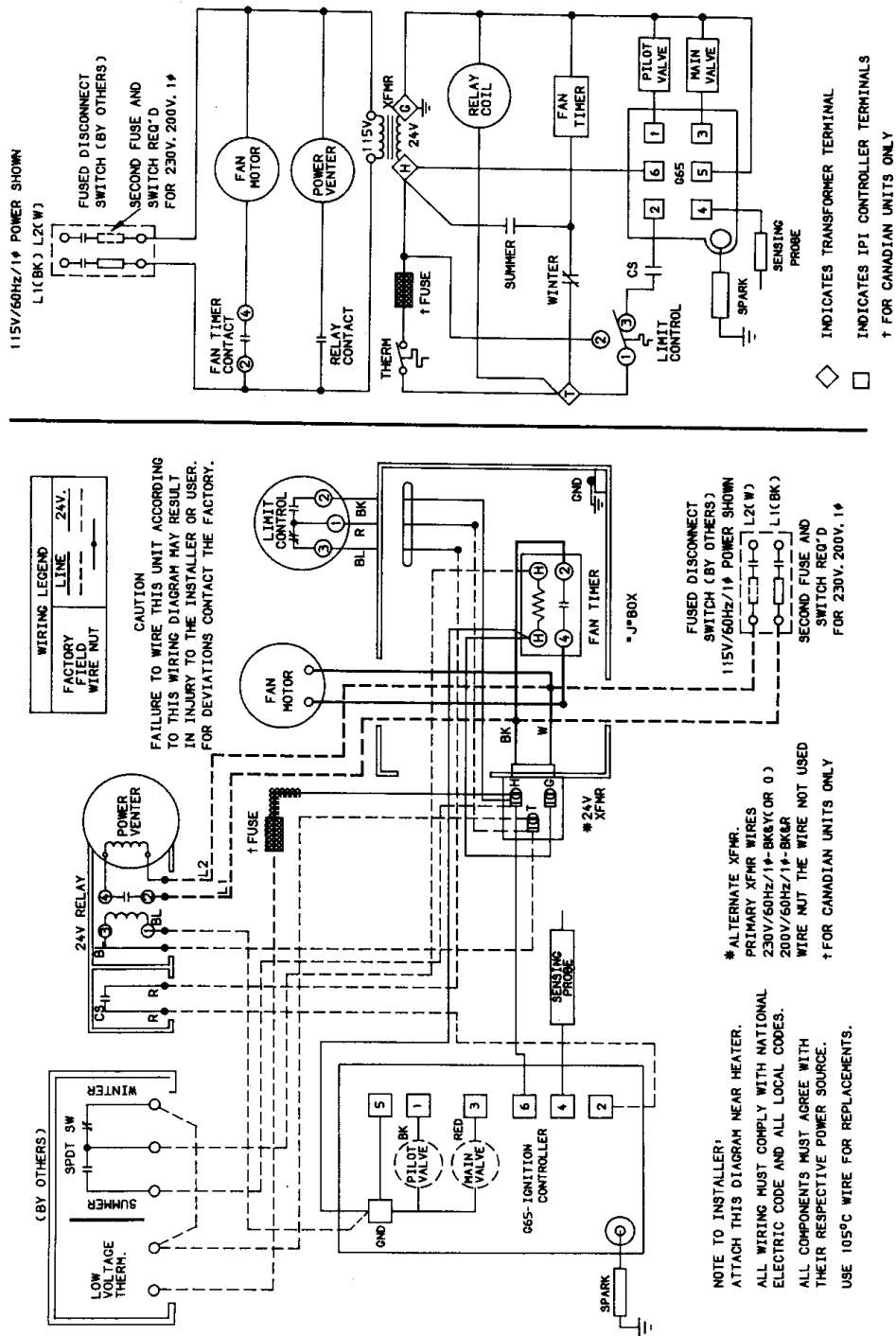


8H6490B82 — Single-phase, intermittent pilot ignition, non-100% (and 100%) shut-off, fan time delay, low-voltage thermostat, low-voltage controlled power venter. (Rev. A)





MODINE 6-430 WIRING DIAGRAM MODELS PA, BA



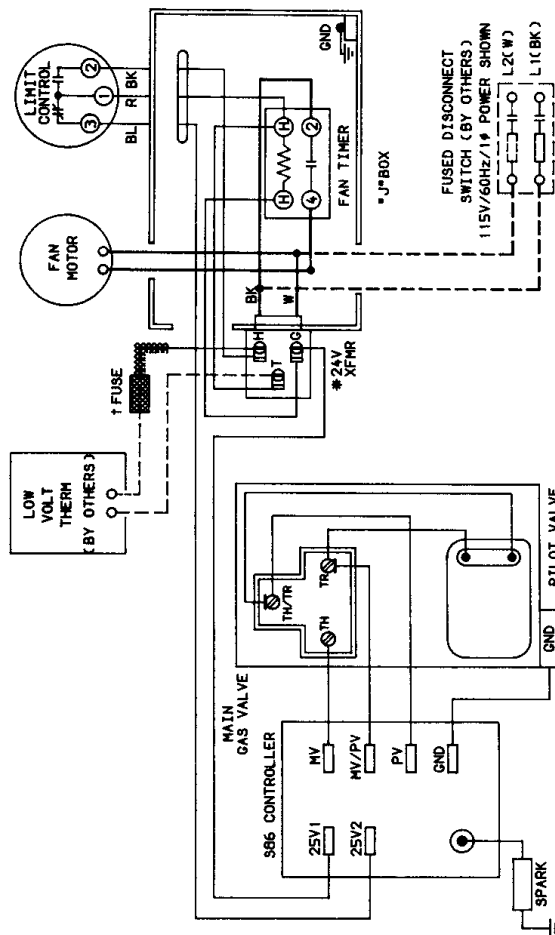
8H6490B83 — Single-phase, intermittent pilot ignition, non-100% (and 100%) shut-off, fan time delay, low-voltage thermostat, summer-winter switch, low-voltage controlled power venter. (Rev. A)



MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

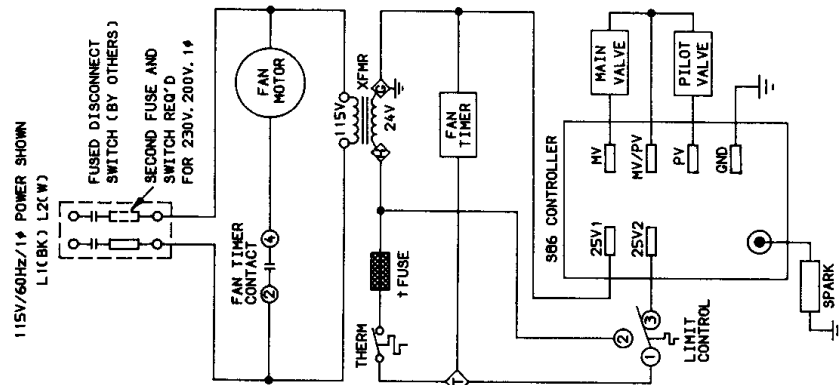
CAUTION
FAILURE TO WIRE THIS UNIT ACCORDING
TO THIS WIRING DIAGRAM MAY RESULT
IN INJURY TO THE INSTALLER OR USER.
FOR DEVIATIONS CONTACT THE FACTORY.

WIRING LEGEND	
FACTORY	SOLID LINE
FIELD	DASHED LINE
WIRE NUT	CIRCLE WITH DOT



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/1½-BK&Y OR 0
200V/60Hz/1½-BK&R
WIRE NUT THE WIRE NOT USED
† FOR CANADIAN UNITS ONLY

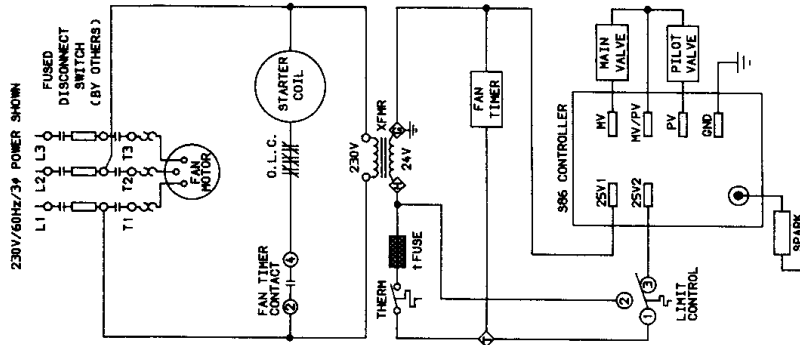
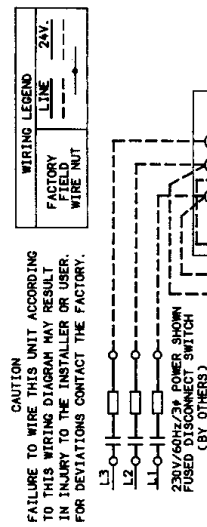
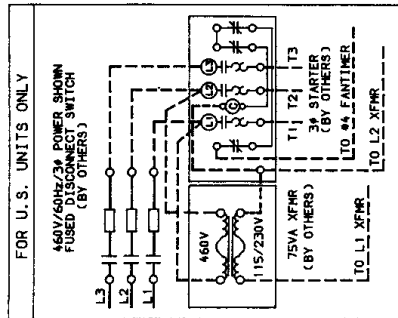


◇ INDICATES TRANSFORMER TERMINAL
† FOR CANADIAN UNITS ONLY

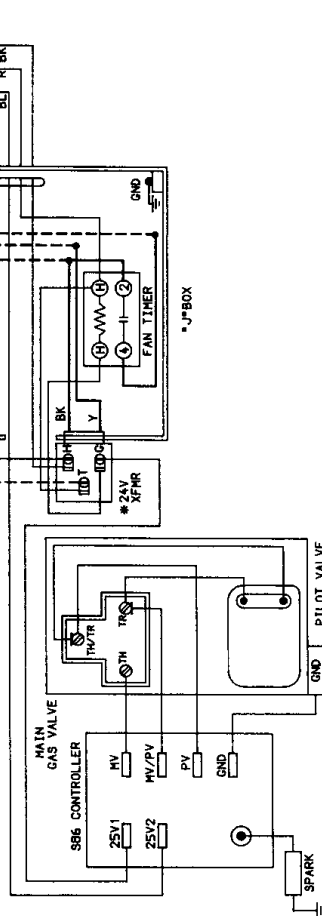
5H70081B33 — Single-phase, intermittent pilot ignition, non-100% (and 100%)
shut-off, fan time delay, low-voltage thermostat. (Rev. B)



MODINE 6-430 WIRING DIAGRAM MODELS PA, BA



◇ INDICATES TRANSFORMER TERMINAL
1 FOR CANADIAN UNITS ONLY



*ALTERNATE XFMR.
PRIMARY XFMR WIRES
230V/60Hz/1#-BK&Y OR 0
200V/60Hz/1#-BK&Y
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.

5H70081B33 — Three-phase, intermittent pilot ignition, non-100% (and 100%)
shut-off, fan time delay, low-voltage thermostat. (Rev. B)

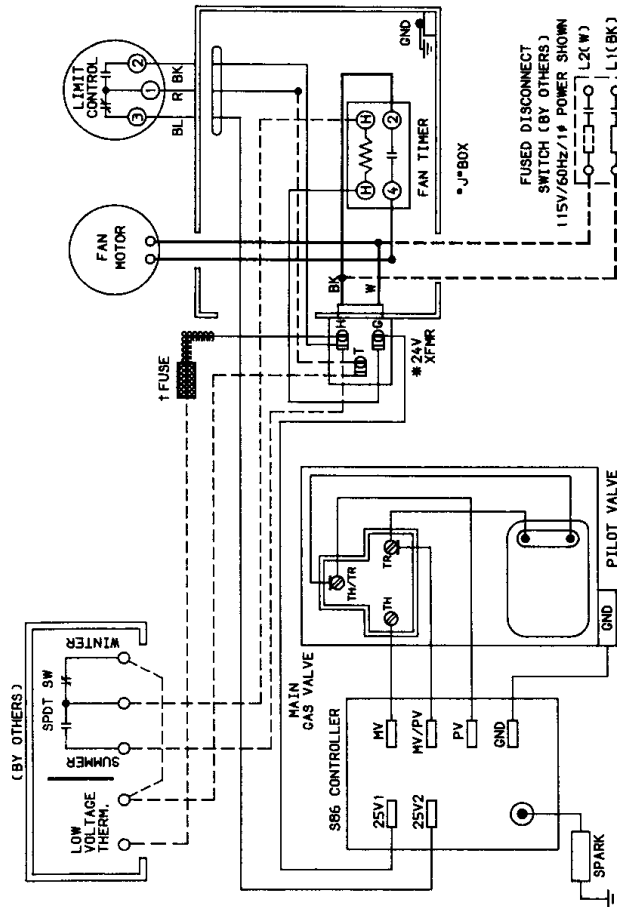


MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

CAUTION

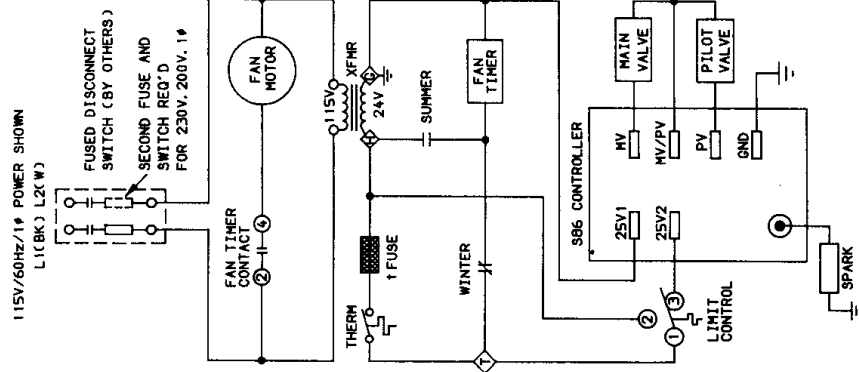
FAILURE TO WIRE THIS UNIT ACCORDING TO THIS WIRING DIAGRAM MAY RESULT IN INJURY TO THE INSTALLER OR USER. FOR DEVIATIONS CONTACT THE FACTORY.

WIRING LEGEND	
FACTORY FIELD WIRE NUT	LINE 24V.



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/1 ϕ -BK(Y OR 0)
200V/60Hz/1 ϕ -BK&R
WIRE NUT THE WIRE NOT USED
†FOR CANADIAN UNITS ONLY

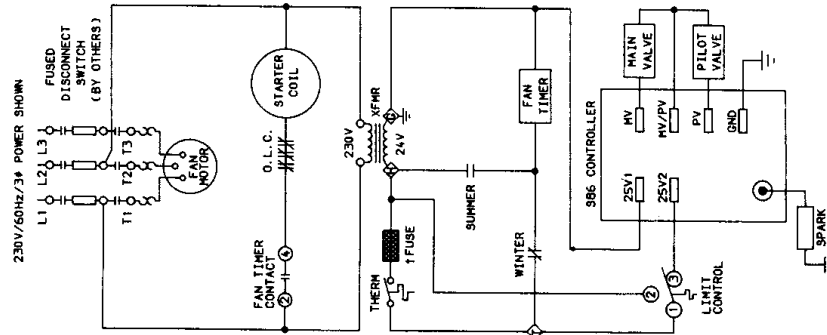
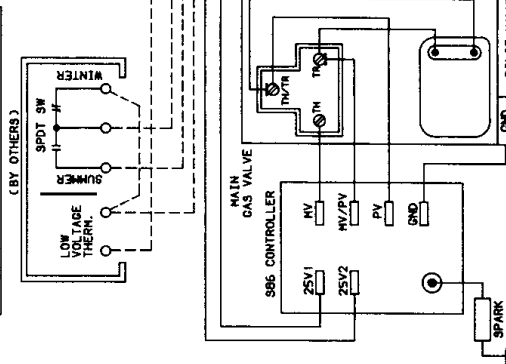
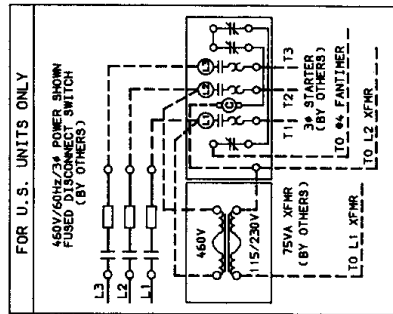


◇ INDICATES TRANSFORMER TERMINAL
† FOR CANADIAN UNITS ONLY

8H6490B84 — Single-phase, intermittent pilot ignition, non-100% (and 100%) shut-off, fan time delay, low-voltage thermostat, summer/winter switch. (Rev. A)



MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

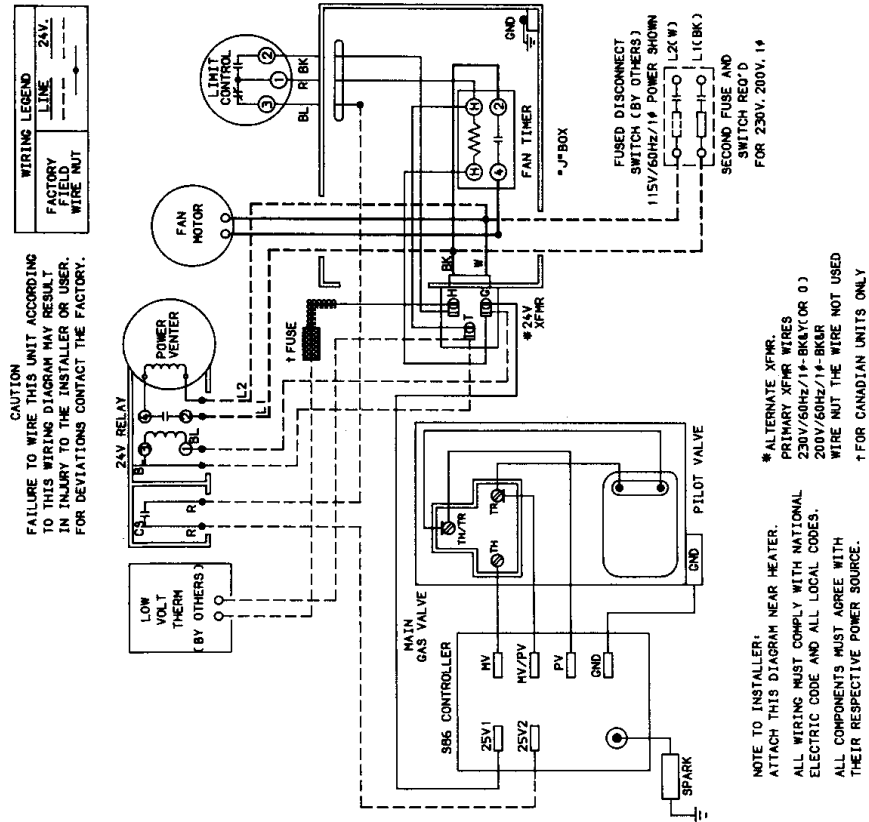


INDICATES TRANSFORMER TERMINAL
† FOR CANADIAN UNITS ONLY

* ALTERNATE XFMR
PRIMARY XFMR WIRE
230V/60Hz/34 (BY OTHERS)
230V/60Hz/115 (BY OTHERS)
WIRE NOT THE WIRE NOT USED
† FOR CANADIAN UNITS ONLY

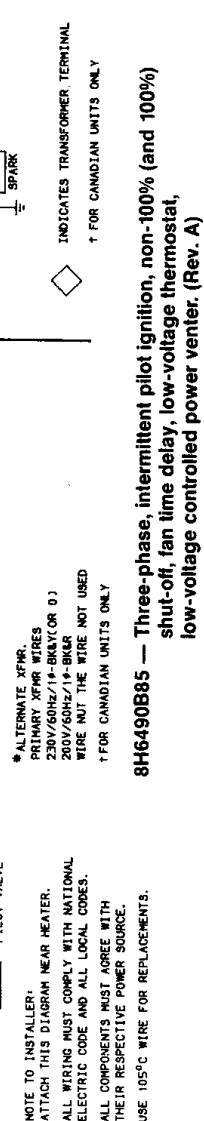
NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.
ALL WIRING MUST COMPLY WITH NATIONAL
ELECTRIC CODE AND ALL LOCAL CODES.
ALL COMPONENTS MUST AGREE WITH
THEIR RESPECTIVE POWER SOURCE.
USE 105°C WIRE FOR REPLACEMENTS.

8H6490B84 — Three-phase, intermittent pilot ignition, non-100% (and 100%)
shut-off, fan time delay, low-voltage thermostat, summer/winter switch. (Rev. A)



8H6490B85 — Single-phase, intermittent pilot ignition, non-100% (and 100%) shut-off, fan time delay, low-voltage thermostat, low-voltage controlled power venter. (Rev. A)

◇ INDICATES TRANSFORMER TERMINAL
† FOR CANADIAN UNITS ONLY



8H6490B85 — Three-phase, intermittent pilot ignition, non-100% (and 100%) shut-off, fan time delay, low-voltage thermostat, low-voltage controlled power venter. (Rev. A)

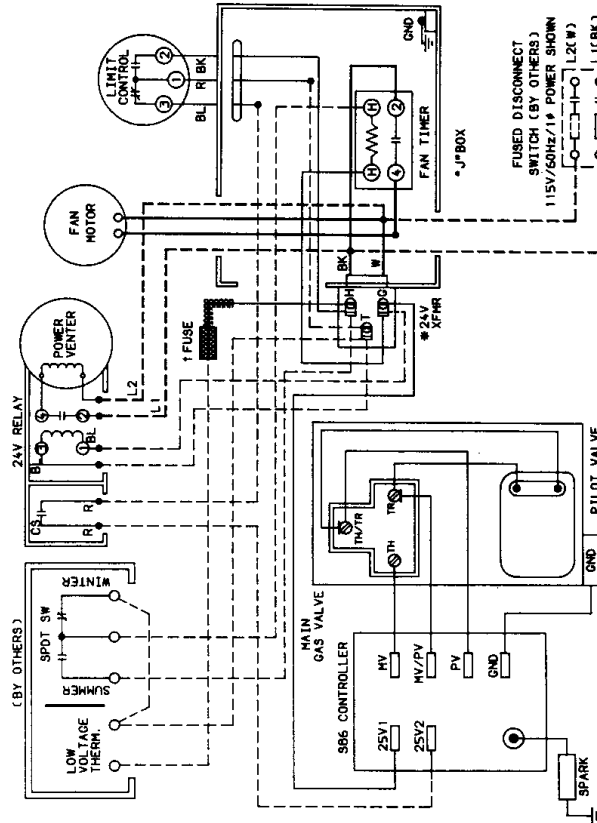


MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

CAUTION

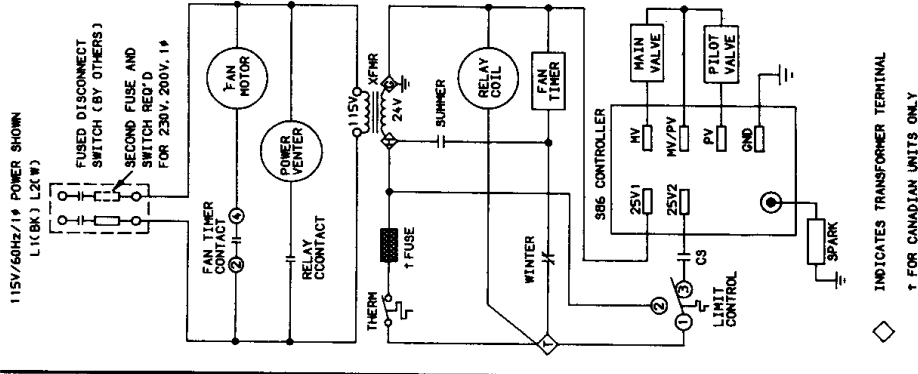
FAILURE TO WIRE THIS UNIT ACCORDING TO THIS WIRING DIAGRAM MAY RESULT IN INJURY TO THE INSTALLER OR USER. FOR DEVIATIONS CONTACT THE FACTORY.

WIRING LEGEND	
FACTORY WIRE	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.

* ALTERNATE XFMR.
PRIMARY XFMR WIRES
230V/60Hz/1 ϕ -BK(Y OR 0)
208V/60Hz/1 ϕ -BK(Y OR 0)
WIRE NUT THE WIRE NOT USED
† FOR CANADIAN UNITS ONLY

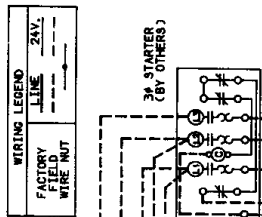


◇ INDICATES TRANSFORMER TERMINAL
† FOR CANADIAN UNITS ONLY

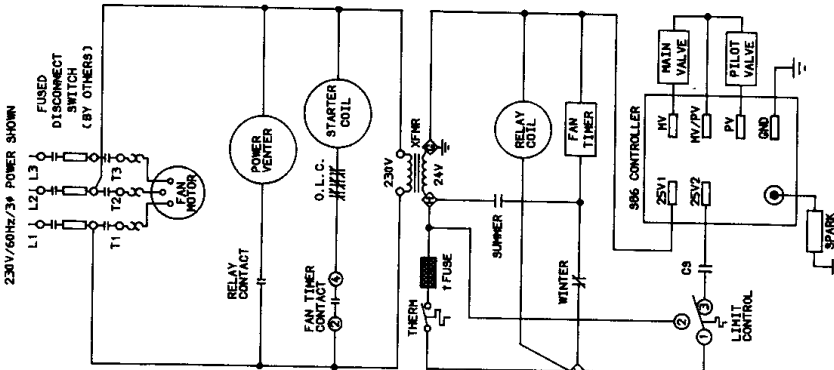
8H6490B86 — Single-phase, intermittent pilot ignition, non-100% (and 100%) shut-off, fan time delay, low-voltage thermostat, summer/winter switch, low-voltage controlled power venter. (Rev. A)



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.



110211620



INDICATES TRANSFORMER TERMINAL

† FOR CANADIAN UNITS ONLY

* ALTERNATE XFMR.
PRIMARY XFMR.
230V/60Hz/1 ϕ -BK&Y(OR 0)
200V/60Hz/1 ϕ -BK&R
WIRE NUT THE WIRE NOT USED
† FOR CANADIAN UNITS ONLY

8H6490B86 — Three-phase, intermittent pilot ignition, non-100% (and 100%) shut-off, fan time delay, low-voltage thermostat, summer/winter switch, low-voltage controlled power vent. (Rev. A)

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.

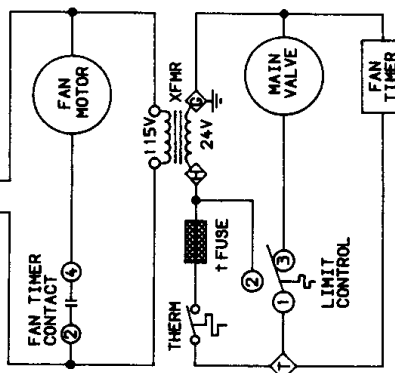
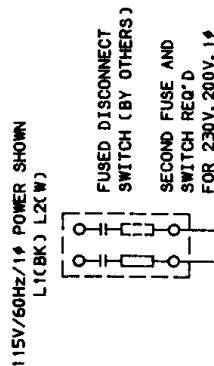
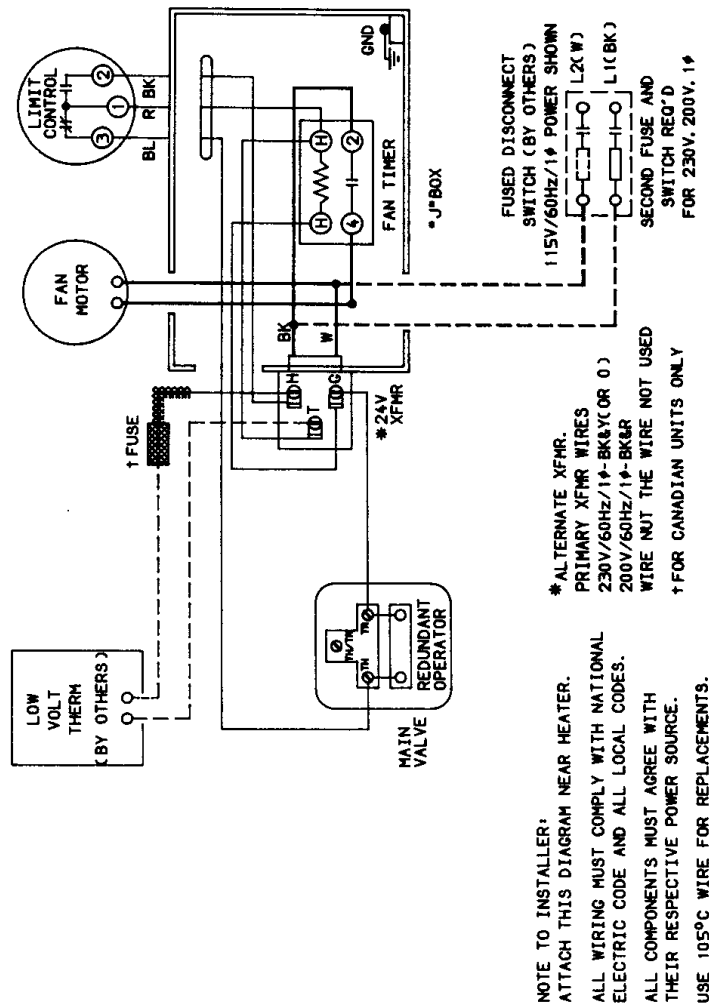


MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

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	24V.
WIRE NUT	---

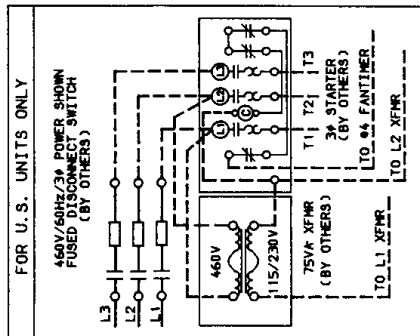


◇ INDICATES TRANSFORMER TERMINAL
† FOR CANADIAN UNITS ONLY

5H70081B37 — Single-phase, standing pilot, 100% shut-off, fan time delay, low-voltage thermostat. (Rev. B)

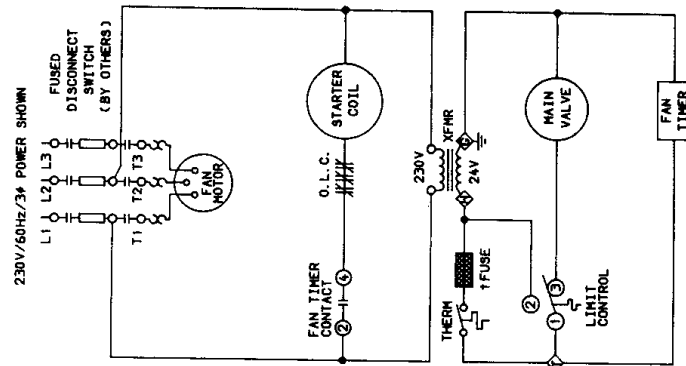


MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

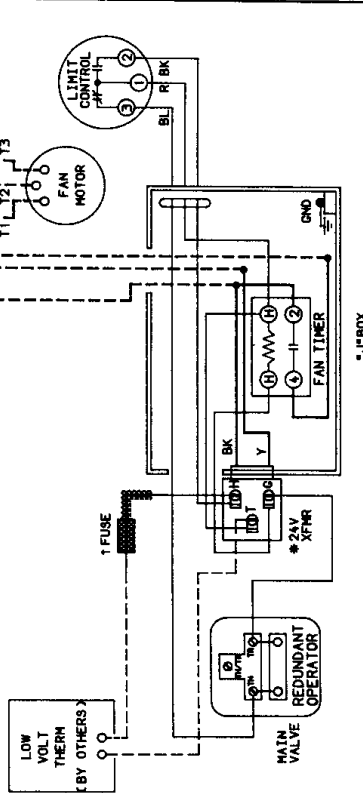


CAUTION
FAILURE TO WIRE THIS UNIT ACCORDING
TO THIS WIRING DIAGRAM MAY RESULT
IN INJURY TO THE INSTALLER OR USER.
FOR DEVIATIONS CONTACT THE FACTORY.

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



◇ INDICATES TRANSFORMER TERMINAL
† FOR CANADIAN UNITS ONLY



*J*BOX

* ALTERNATE XFMR.
PRIMARY XFMR WIRES
230V/60Hz/1A-BKAY (OR 0)
200V/60Hz/1A-BKAY
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.

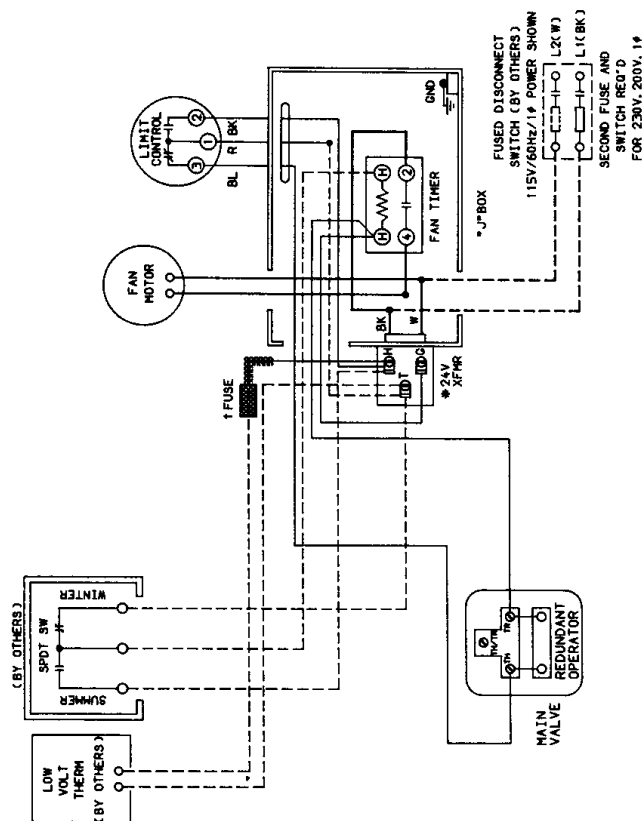
5H70081B37 — Three-phase, standing pilot, 100% shut-off, fan time delay,
low-voltage thermostat. (Rev. B)



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

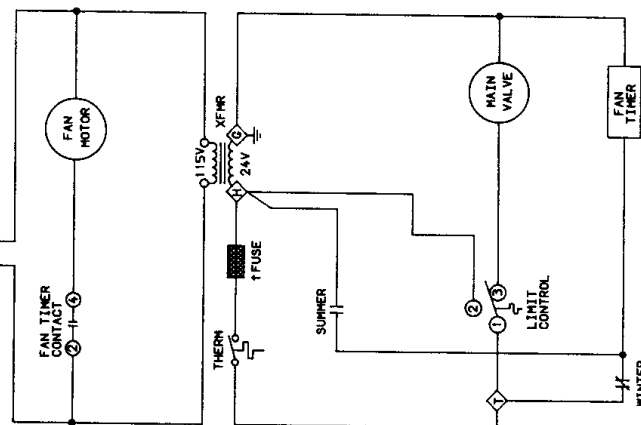


NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.
ALL WIRING MUST COMPLY WITH NATIONAL
ELECTRIC CODE AND ALL LOCAL CODES.
ALL COMPONENTS MUST AGREE WITH
THEIR RESPECTIVE POWER SOURCE.
USE 105°C WIRE FOR REPLACEMENTS.

* ALTERNATE XFMR.
PRIMARY XFMR WIRES
230V/60HZ/1-1-1 BK&Y OR 0)
200V/60HZ/1-1-1 BK&R
WIRE NUT THE WIRE NOT USED
† FOR CANADIAN UNITS ONLY

115V/60HZ/1-1-1 POWER SHOWN
L1(BK) L2(W)

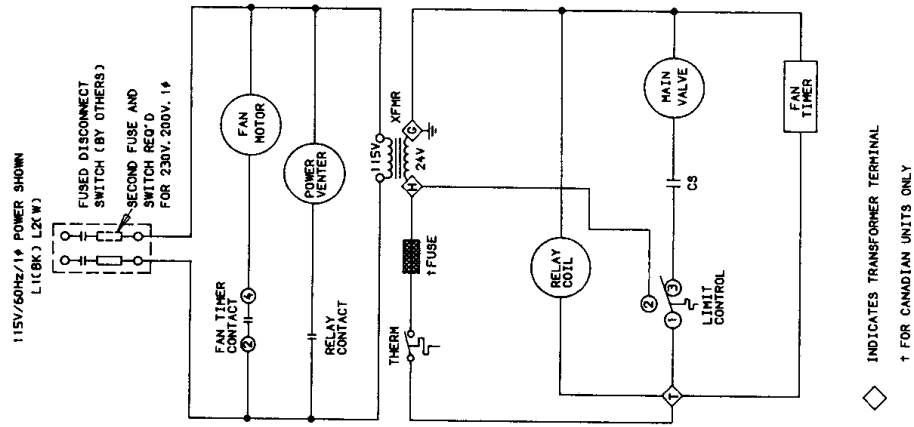
FUSED DISCONNECT
SWITCH (BY OTHERS)
SECOND FUSE AND
SWITCH REQ'D
FOR 230V, 200V, 1-1-1



◇ INDICATES TRANSFORMER TERMINAL
† FOR CANADIAN UNITS ONLY

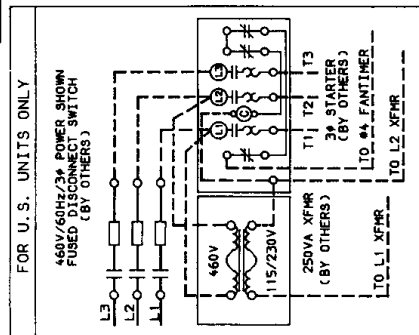
8H6490B99 — Single-phase standing pilot, 100% shut-off, fan time
delay, low-voltage thermostat, summer/winter switch.





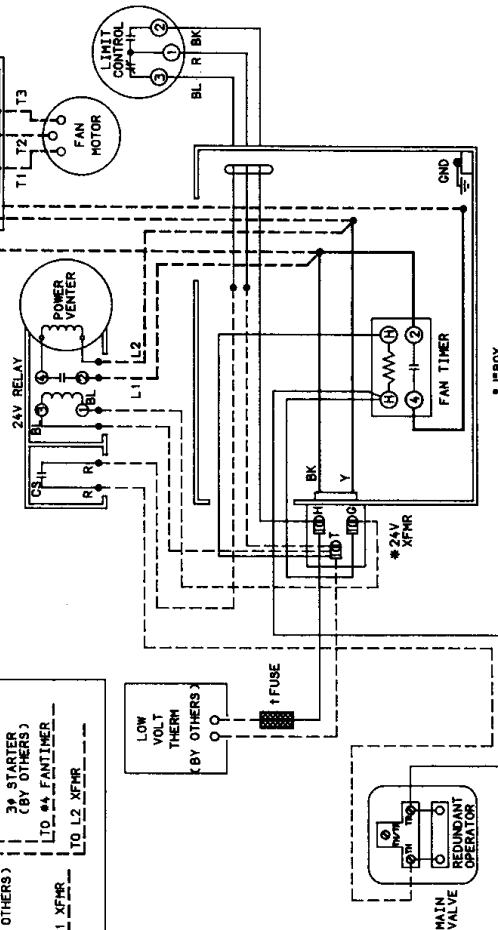


MODINE 6-430 WIRING DIAGRAM MODELS PA, BA



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

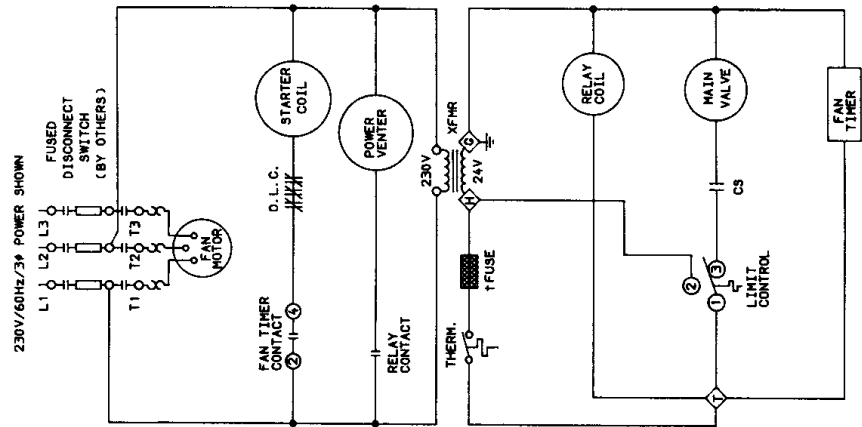


*J*BOX

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.

*ALTERNATE XFMR.
PRIMARY XFMR WIRES
230V/60Hz/1P-BK5YOR 0.3
200V/60Hz/1P-BK5YOR 0.3
WIRE NUT THE WIRE NOT USED
†FOR CANADIAN UNITS ONLY

8H6490B100 — Three-phase standing pilot, 100% shut-off, fan time
delay, low-voltage thermostat, low-voltage controlled
power venter.

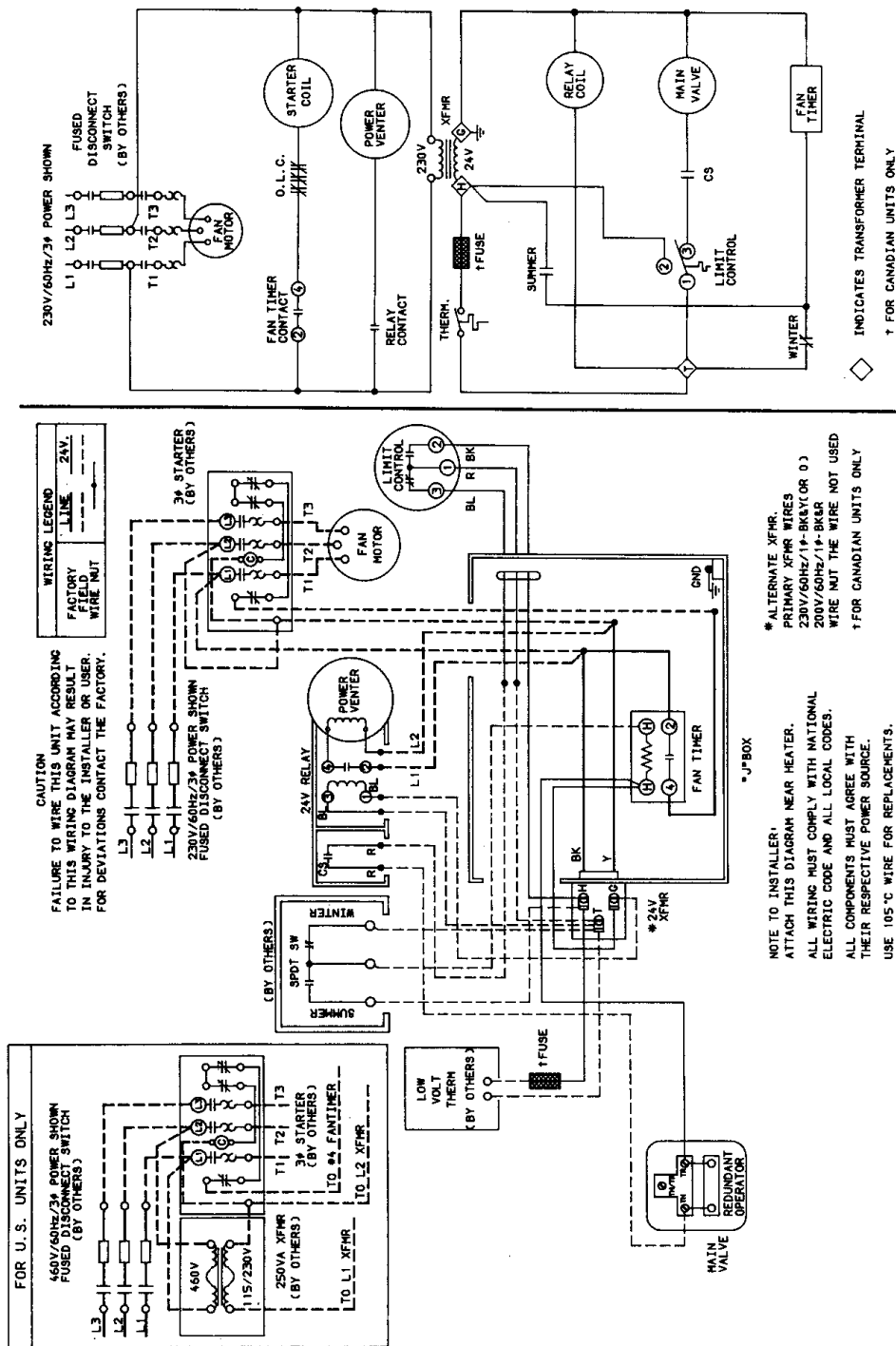


◇ INDICATES TRANSFORMER TERMINAL
† FOR CANADIAN UNITS ONLY





MODINE 6-430 WIRING DIAGRAM MODELS PA, BA



8H6490B101 — Three-phase standing pilot, 100% shut-off, fan time delay, low-voltage thermostat, summer/winter switch low-voltage controlled power venter.

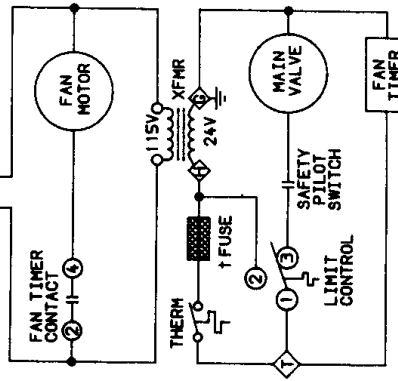
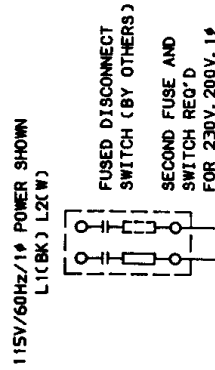
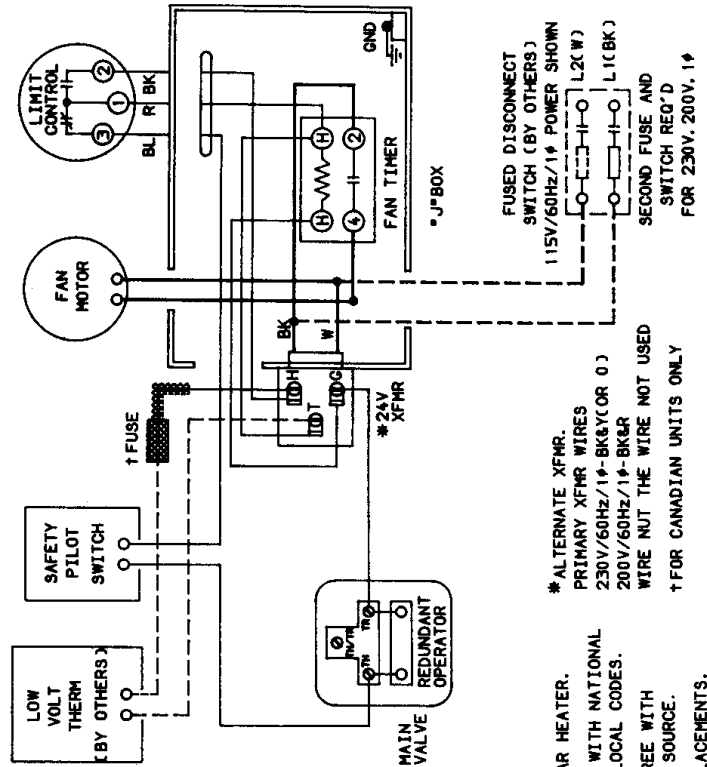


MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

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	
FACTORY	—
FIELD	- - -
WIRE NUT	•

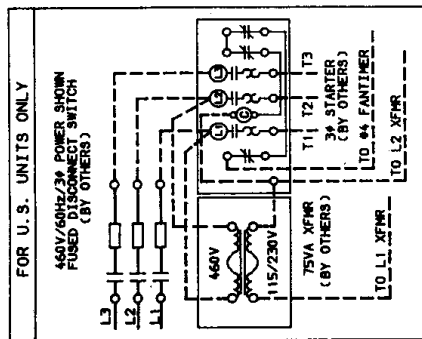


◇ INDICATES TRANSFORMER TERMINAL
† FOR CANADIAN UNITS ONLY

5H70081B35 — Single-phase, standing pilot, 100% shut-off, fan time delay, low-voltage thermostat. (Rev. B)

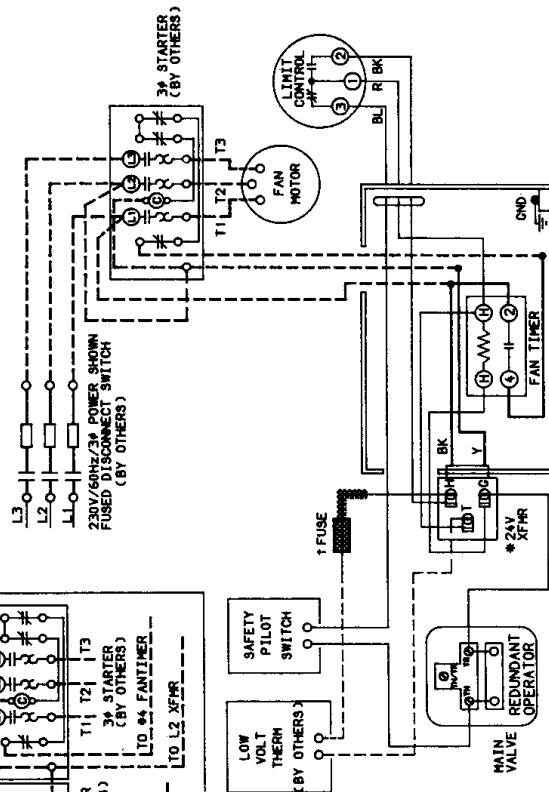


MODINE 6-430 WIRING DIAGRAM MODELS PA, BA



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.

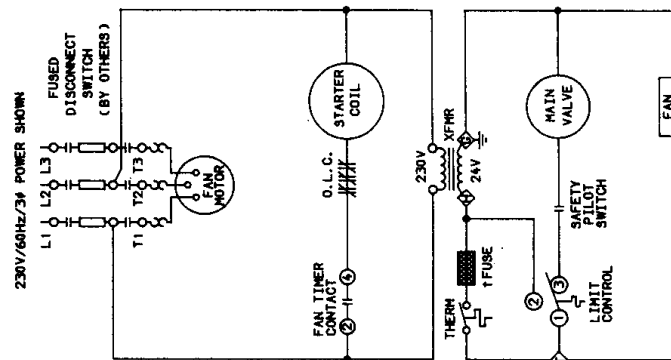
WIRING LEGEND	
FACTORY	WIRE
FIELD	---
WIRE NUT	---



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/1φ-BK&Y (OR 0)
200V/60Hz/1φ-BK&R
WIRE NUT THE WIRE NOT USED
† FOR CANADIAN UNITS ONLY

* J*BOX



◇ INDICATES TRANSFORMER TERMINAL
† FOR CANADIAN UNITS ONLY

5H70081B35 — Three-phase, standing pilot, 100% shut-off, fan time delay,
low-voltage thermostat. (Rev. B)



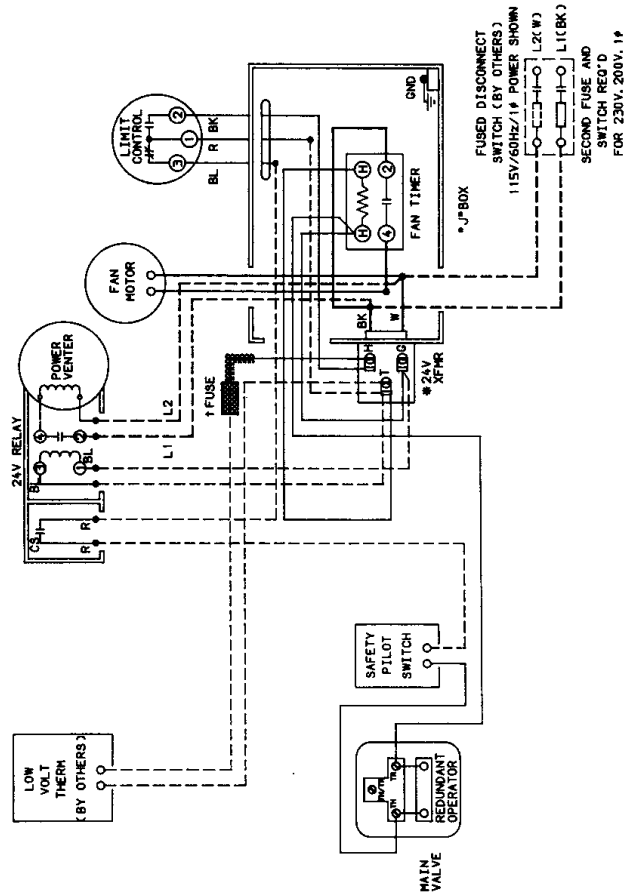




MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

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.

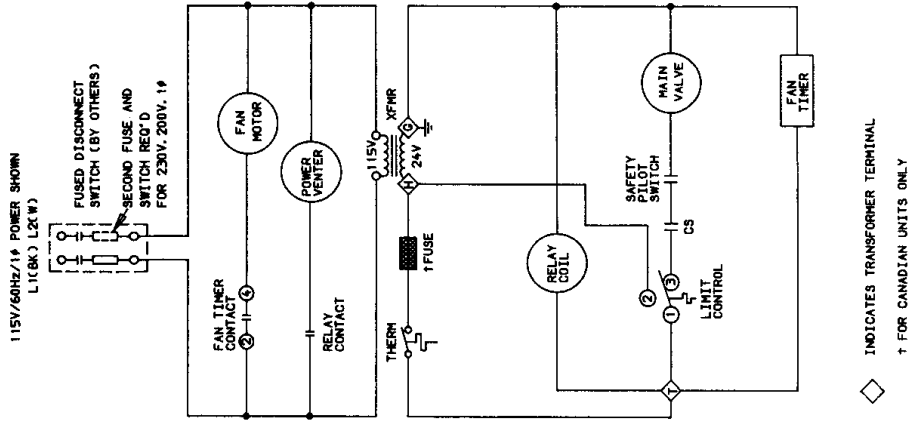
WIRING LEGEND	
FACTORY FIELD WIRE IN/UT	24V. ---



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/1P-BK&Y OR Ø
200V/60Hz/1P-BK&R
WIRE NOT THE WIRE NOT USED
† FOR CANADIAN UNITS ONLY

8H6490B94 — Single-phase standing pilot, 100% shut-off, fan time delay, low-voltage thermostat, low-voltage controlled power venter



◇ INDICATES TRANSFORMER TERMINAL
† FOR CANADIAN UNITS ONLY

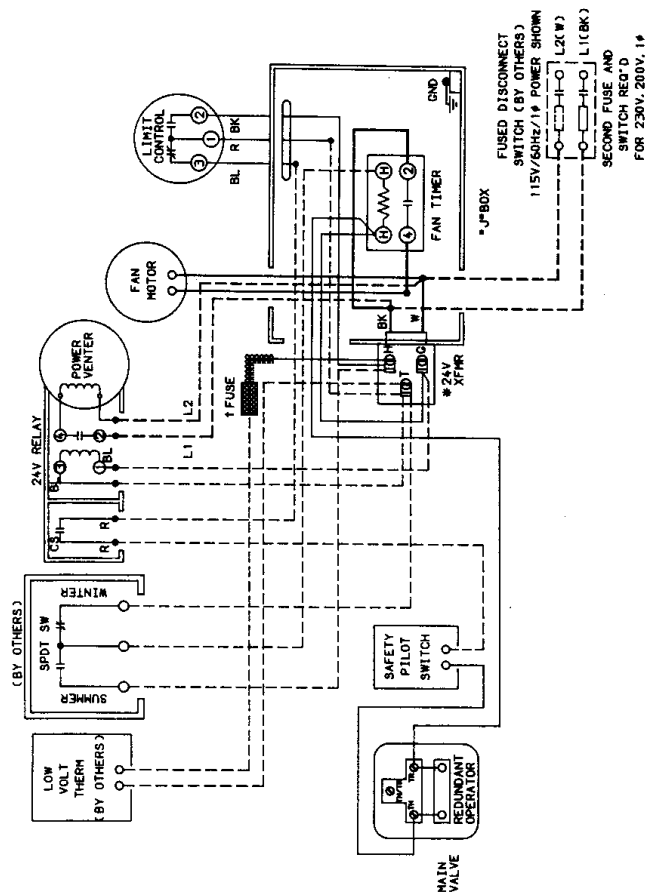




MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

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 FIELD WIRE NOT	24V.
---	---
---	---

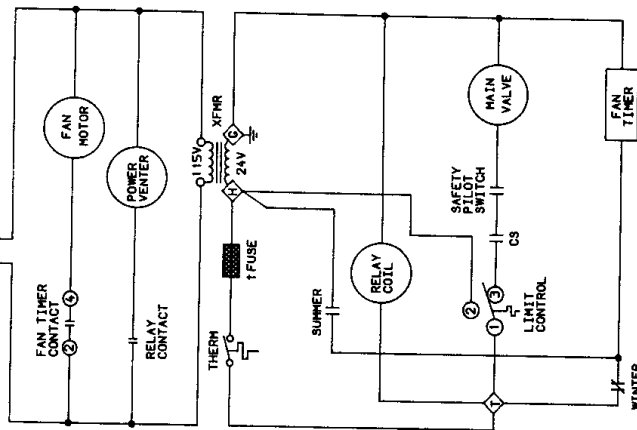


NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.
ALL WIRING MUST COMPLY WITH NATIONAL
ELECTRIC CODE AND ALL LOCAL CODES.
ALL COMPONENTS MUST AGREE WITH
THEIR RESPECTIVE POWER SOURCE.
USE 105°C WIRE FOR REPLACEMENTS.

*ALTERNATE XFMR.
PRIMARY XFMR WIRES
230V/60Hz/14-BK(Y OR O)
200V/60Hz/14-BK(Y OR O)
WIRE NOT THE WIRE NOT-USED
†FOR CANADIAN UNITS ONLY

115V/60Hz/14 POWER SHOWN
L1(BK) L2(W)

FUSED DISCONNECT
SWITCH (BY OTHERS)
SECOND FUSE AND
SWITCH REQ'D
FOR 230V, 200V, 14

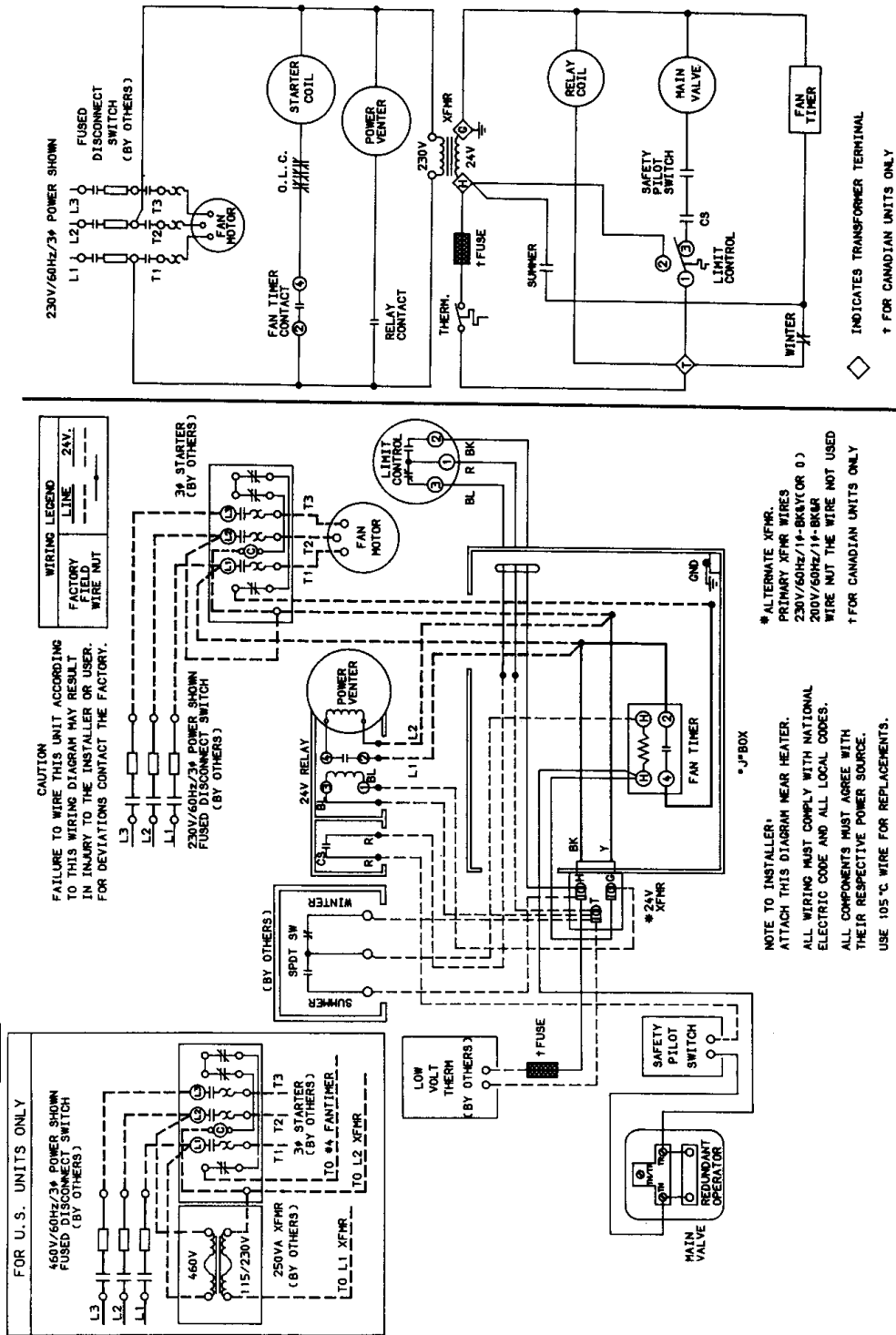


◇ INDICATES TRANSFORMER TERMINAL
† FOR CANADIAN UNITS ONLY

8H6490B95 — Single-phase standing pilot, 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



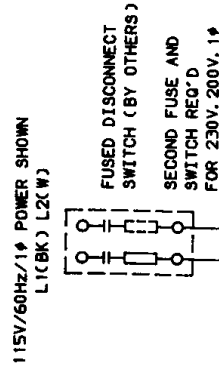
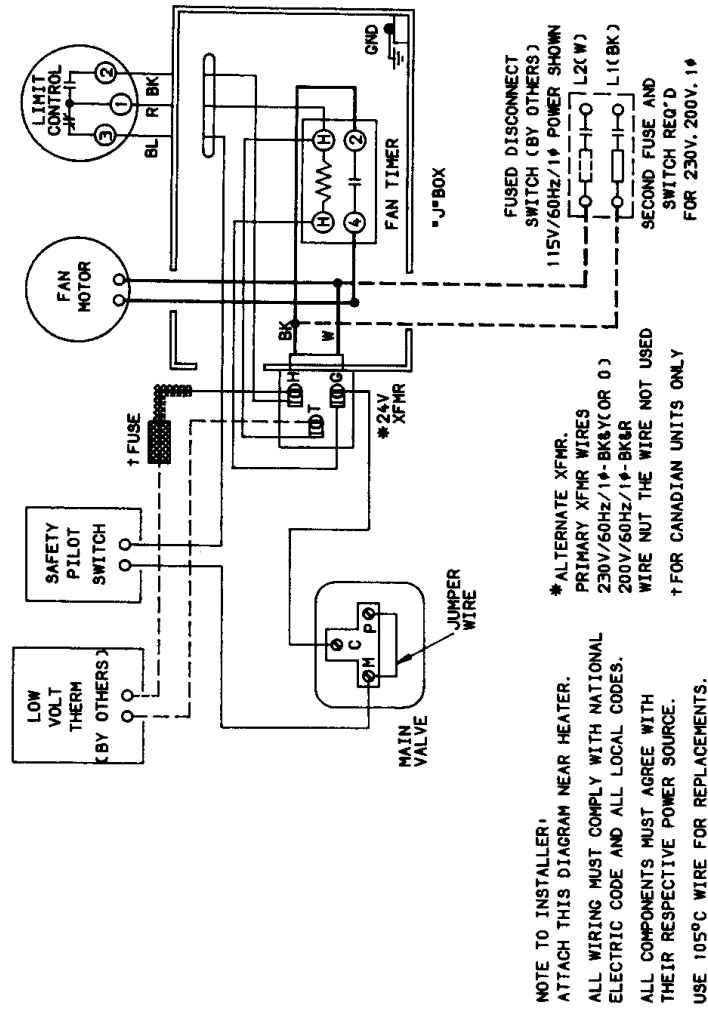
8H6490B95 — Three-phase standing pilot, 100% shut-off, fan time delay, low-voltage thermostat, summer/winter switch low-voltage controlled power venter.



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	
FACTORY	SOLID LINE
FIELD	DASHED LINE
WIRE NUT	DOTTED LINE

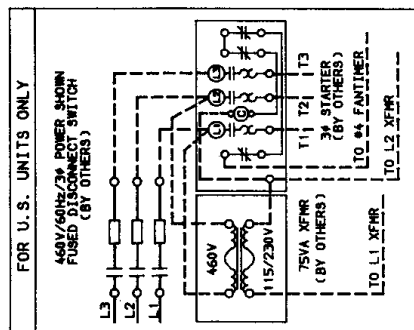


◇ INDICATES TRANSFORMER TERMINAL
† FOR CANADIAN UNITS ONLY

5H70081B38 — Single-phase, standing pilot, 100% shut-off, fan time delay,
low-voltage thermostat. (Rev. A)

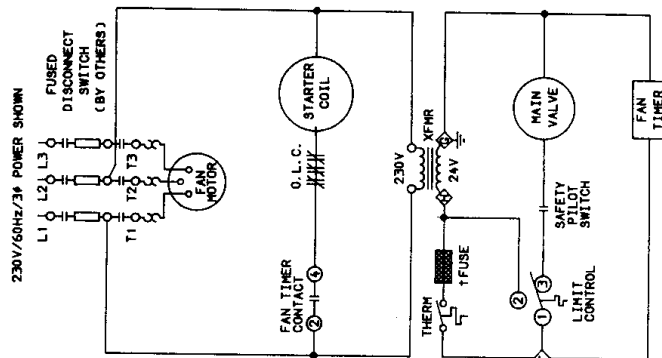
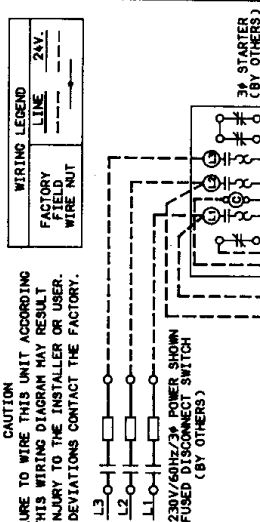


MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

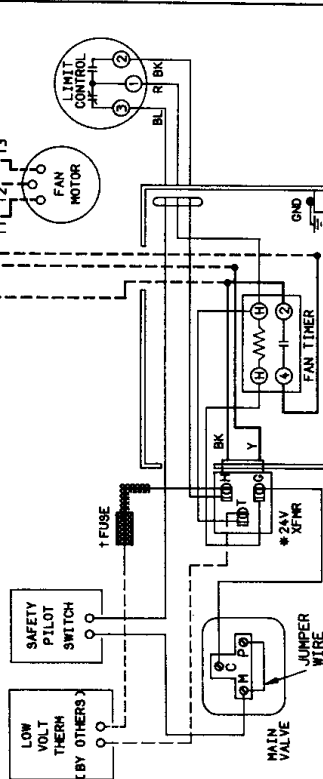


CAUTION
FAILURE TO WIRE THIS UNIT ACCORDING
TO THIS WIRING DIAGRAM MAY RESULT
IN INJURY TO THE INSTALLER OR USER.
FOR DEVIATIONS CONTACT THE FACTORY.

WIRING LEGEND
FACTORY FIELD
WIRE NUT
LINE
24V.



◇ INDICATES TRANSFORMER TERMINAL
† FOR CANADIAN UNITS ONLY



* J BOX

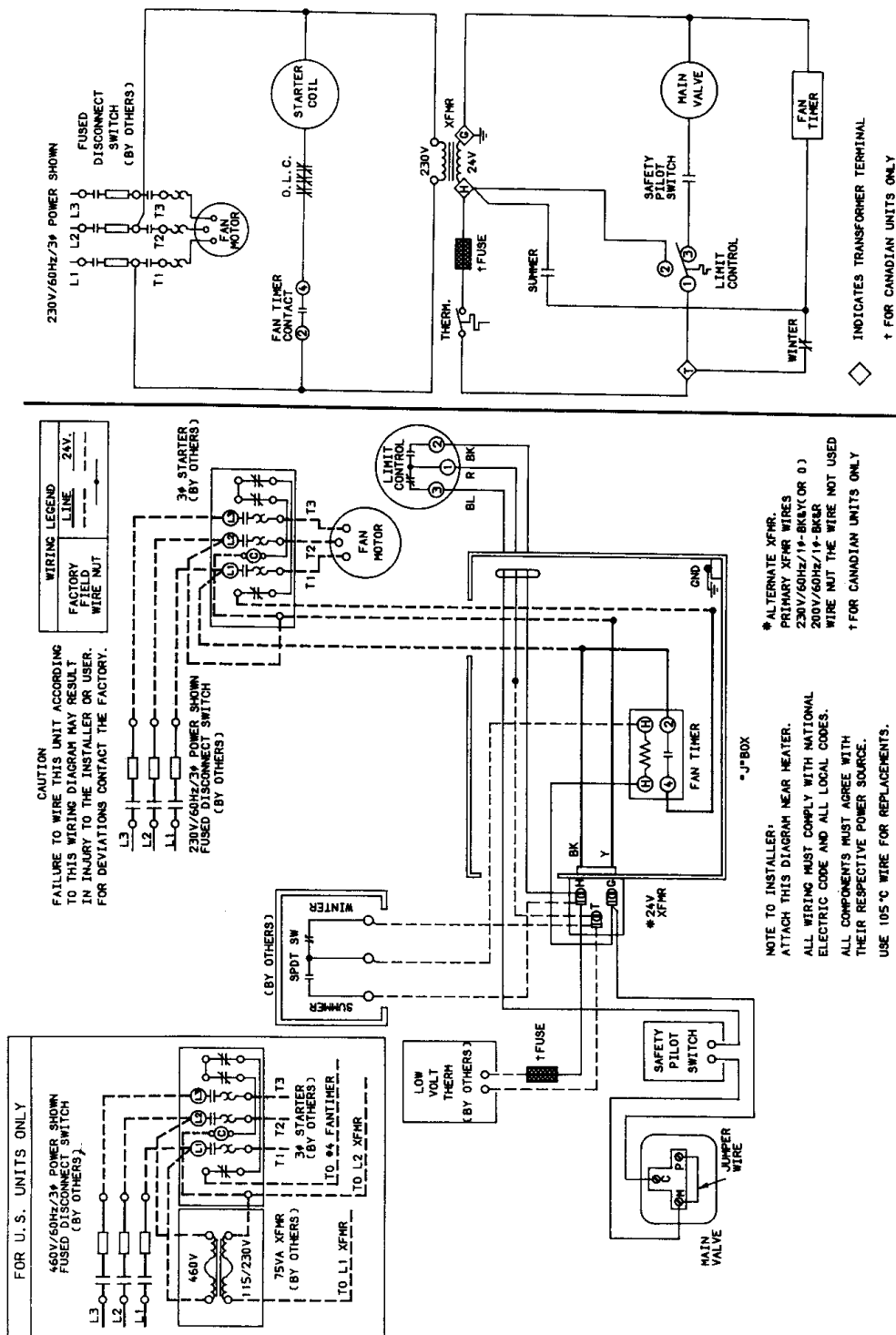
NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.
ALL WIRING MUST COMPLY WITH NATIONAL
ELECTRIC CODE AND ALL LOCAL CODES.
ALL COMPONENTS MUST AGREE WITH
THEIR RESPECTIVE POWER SOURCE.
USE 105°C WIRE FOR REPLACEMENTS.

* ALTERNATE XFMR.
PRIMARY XFMR WIRES
230V/60Hz/1Ø-BKRY (OR 0)
230V/60Hz/1Ø-BKRY
WIRE NUT THE WIRE NOT USED
† FOR CANADIAN UNITS ONLY

5H70081B38 — Three-phase, standing pilot, 100% shut-off, fan time delay,
low-voltage thermostat. (Rev. A)



MODINE 6-430 WIRING DIAGRAM MODELS PA, BA



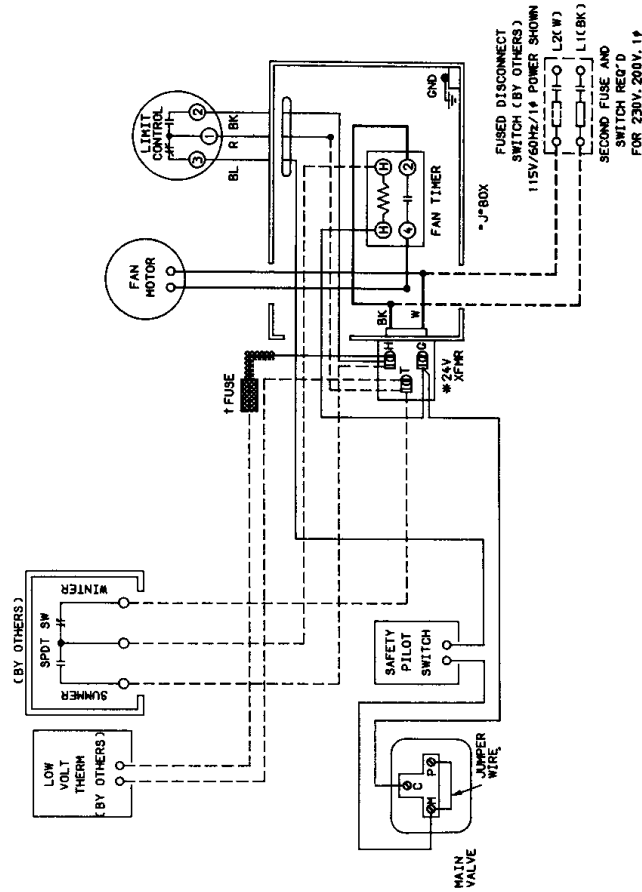
8H6490B102 — Three-phase standing pilot, 100% shut-off, fan time delay, low-voltage thermostat, summer/winter switch.



MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

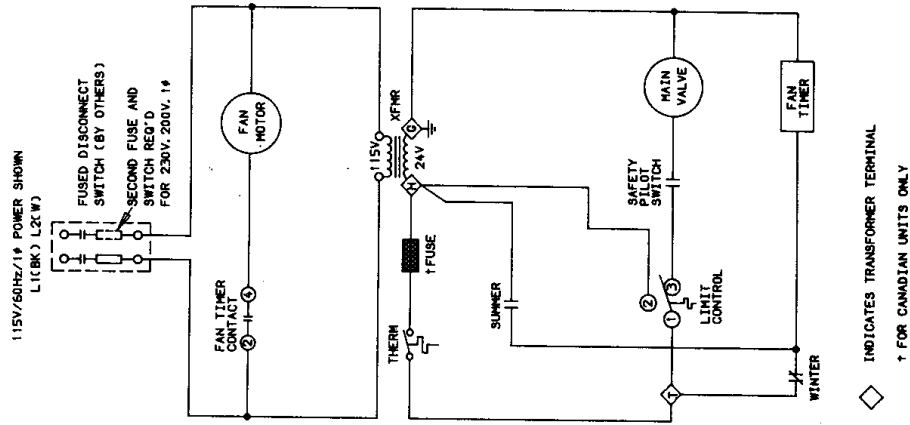
CAUTION
FAILURE TO WIRE THIS UNIT ACCORDING
TO THIS WIRING DIAGRAM MAY RESULT
IN INJURY TO THE INSTALLER OR USER.
FOR DEVIATIONS CONTACT THE FACTORY.

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



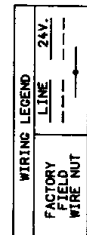
NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.
ALL WIRING MUST COMPLY WITH NATIONAL
ELECTRIC CODE AND ALL LOCAL CODES.
ALL COMPONENTS MUST AGREE WITH
THEIR RESPECTIVE POWER SOURCE.
USE 105°C WIRE FOR REPLACEMENTS.

* ALTERNATE XFMR.
PRIMARY XFMR WIRES
230V/60HZ/1φ-BK&Y (OR 0)
200V/60HZ/1φ-BK&R
WIRE NUT THE WIRE NOT USED
† FOR CANADIAN UNITS ONLY

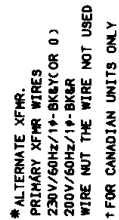


◇ INDICATES TRANSFORMER TERMINAL
† FOR CANADIAN UNITS ONLY

8H6490B102 — Single-phase standing pilot, 100% shut-off, fan time delay, low-voltage thermostat, summer/winter switch.

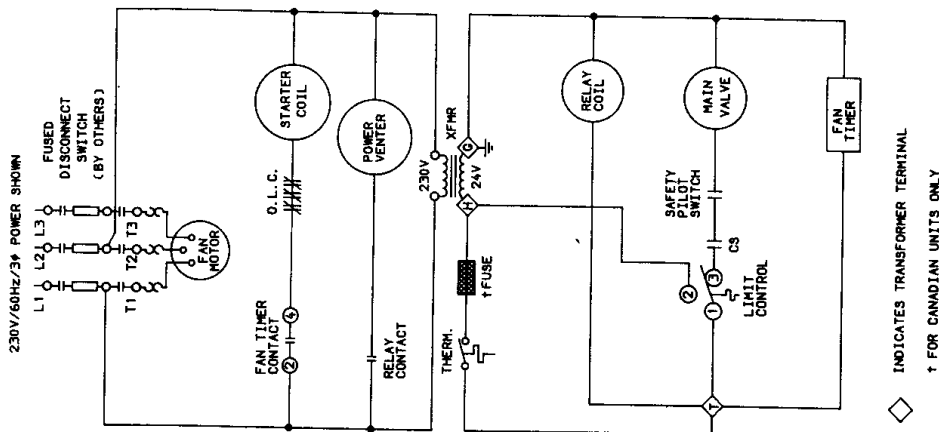


CAUTION
FAILURE TO WIRE THIS UNIT ACCORDING
TO THIS WIRING DIAGRAM MAY RESULT
IN INJURY TO THE INSTALLER OR USER.
FOR DEVIATIONS CONTACT THE FACTORY.



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.

8H6490B103 — Three-phase standing pilot, 100% shut-off, fan time delay, low-voltage thermostat, low-voltage controlled power venter.



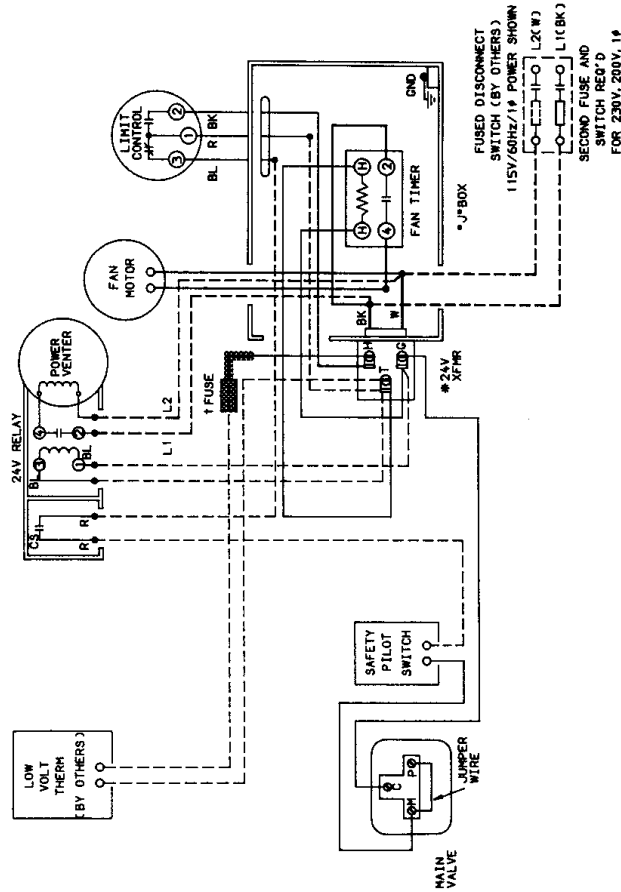
◇ INDICATES TRANSFORMER TERMINAL
† FOR CANADIAN UNITS ONLY



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.

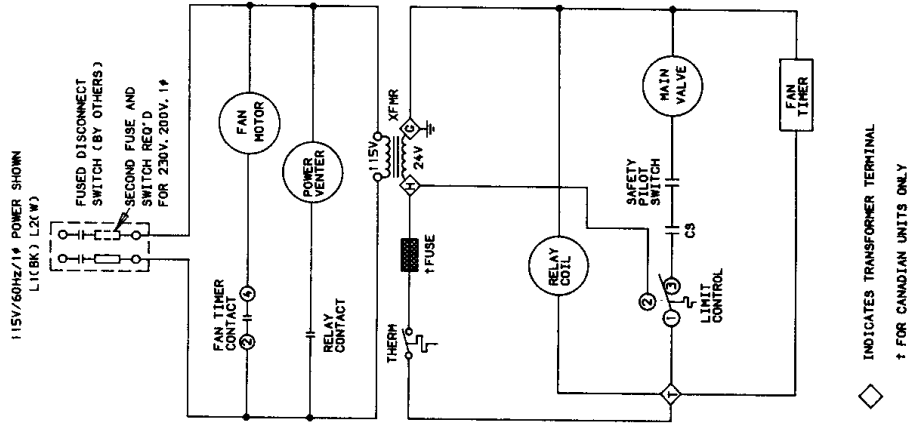
WIRING LEGEND	
FACTORY	LINE
WIRE NUT	24V



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
208V/60HZ/1 1/2 BK&Y (OR Ø)
208V/60HZ/1 1/2 BK&R
WIRE NUT THE WIRE NOT USED
† FOR CANADIAN UNITS ONLY

8H6490B103 — Single-phase standing pilot, 100% shut-off, fan time
delay, low-voltage thermostat, low-voltage controlled
power venter.

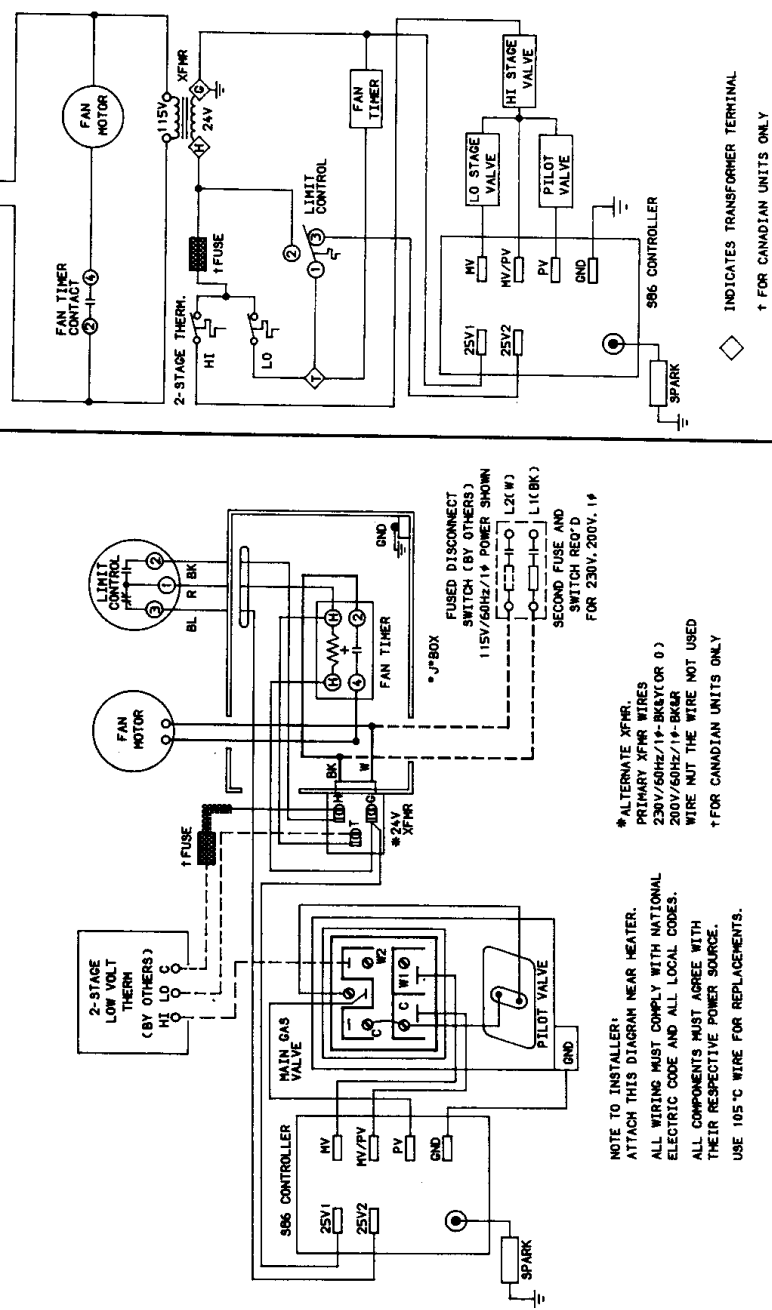




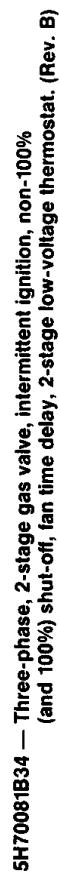


MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

WIRING LEGEND	
FACTORY	LINE 24V.
FIELD	---
WIRE NUT	—●—



5H70081B34 — Single-phase, 2-stage gas valve, intermittent ignition, non-100% (and 100%) shut-off, fan time delay, 2-stage low-voltage thermostat. (Rev. B)

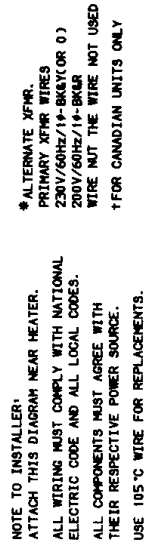




MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

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

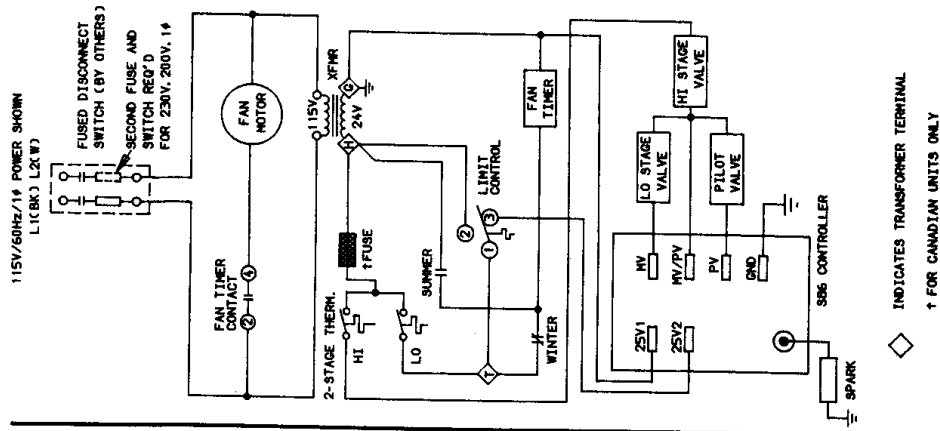
WIRING LEGEND	
FACTORY	— 24V. —
FIELD	- - - - -
WIRE NUT	— ● —



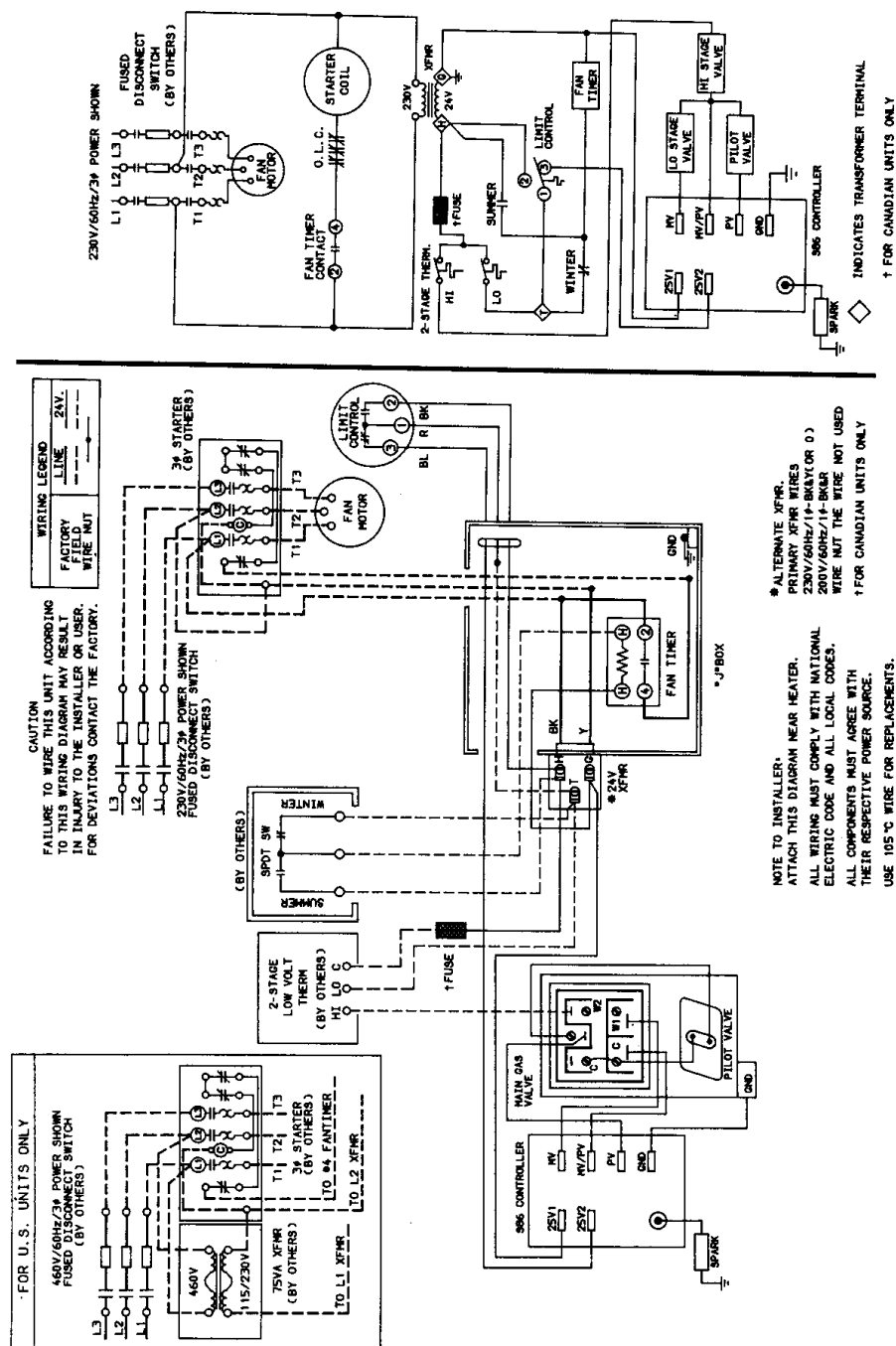
**NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.
ALL WIRING MUST COMPLY WITH NATIONAL
ELECTRIC CODE AND ALL LOCAL CODES.
ALL COMPONENTS MUST AGREE WITH
THEIR RESPECTIVE POWER SOURCE.
USE 105°C WIRE FOR REPLACEMENTS.**

* 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

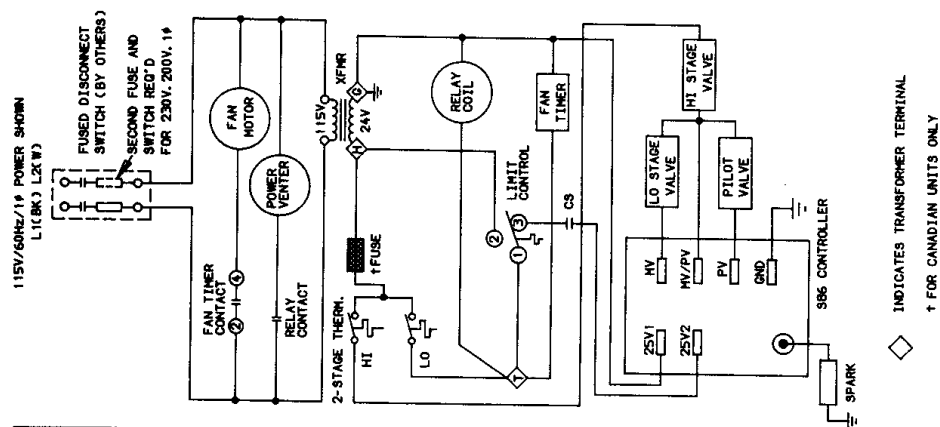
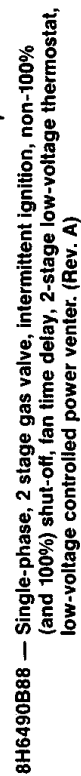
8H6490B87 --- Single-phase, 2 stage gas valve, intermittent ignition, non-100% (and 100%) shut-off, fan time delay, 2-stage low-voltage thermostat, summer/ winter switch. (Rev. A)



◆ INDICATES TRANSFORMER TERMINAL
† FOR CANADIAN UNITS ONLY



8H6490B90 — Three-phase, 2 stage gas valve, intermittent ignition, non-1000% (and 100%) shut-off, fan time delay, 2-stage low-voltage thermostat, low-voltage controlled power venter. (Rev. A)





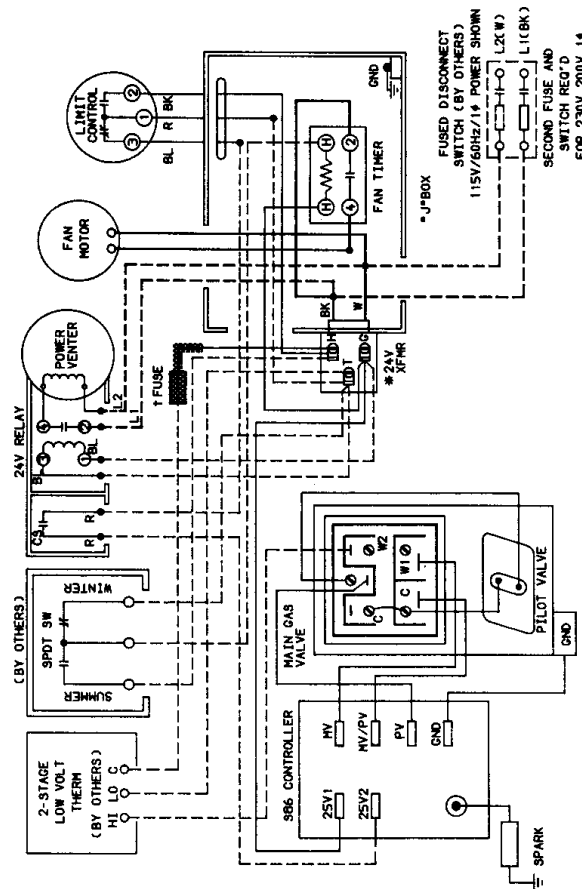


MODINE 6-430 WIRING DIAGRAM MODELS PA, BA

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.

WIRING LEGEND	
FACTORY WIRE	SOLID LINE
WIRE NOT USED	DASHED LINE



NOTE TO INSTALLER:
ATTACH THIS DIAGRAM NEAR HEATER.

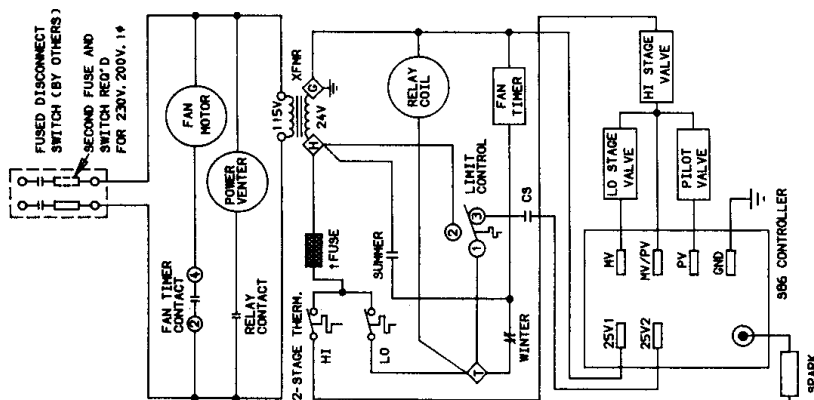
ALL WIRING MUST COMPLY WITH NATIONAL ELECTRIC CODE AND ALL LOCAL CODES.
ALL COMPONENTS MUST AGREE WITH THEIR RESPECTIVE POWER SOURCE.
USE 105 °C WIRE FOR REPLACEMENTS.

* ALTERNATE XFMR.
PRIMARY XFMR WIRES
230V/60HZ/1½-BK&Y OR Ø

200V/60HZ/1½-BK&R
WIRE NOT THE WIRE NOT USED

† FOR CANADIAN UNITS ONLY

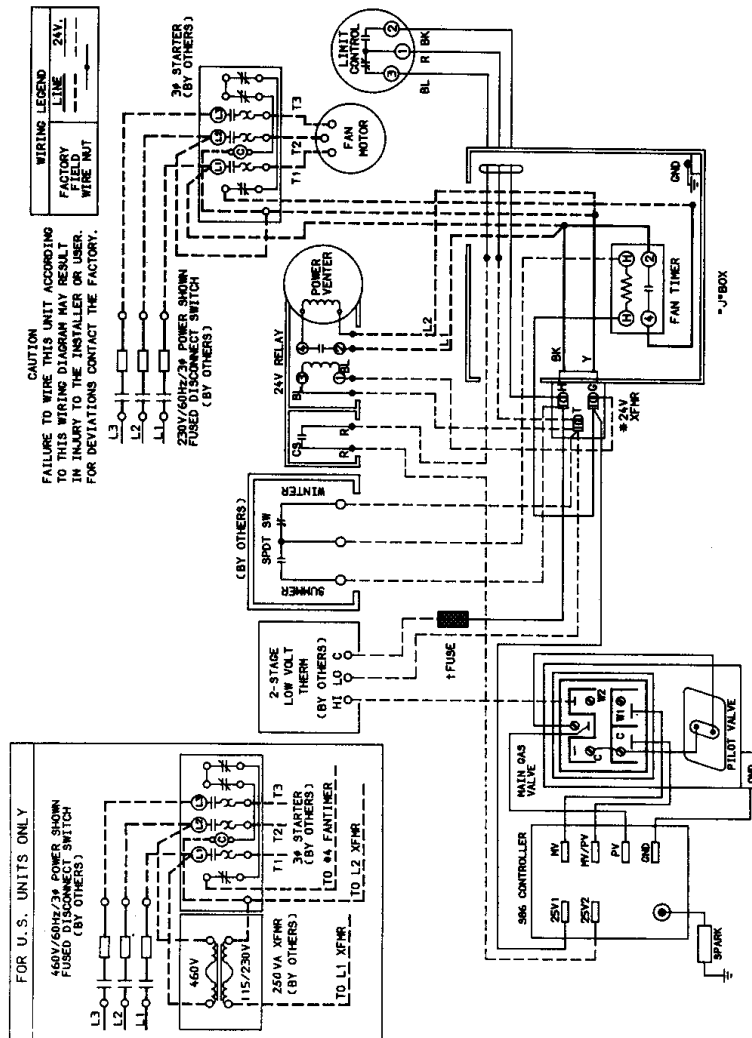
115V/60HZ/1½ POWER SHOWN
L1(BK) L2(W)



◇ INDICATES TRANSFORMER TERMINAL

† FOR CANADIAN UNITS ONLY

8H6450B89 — Single-phase, 2 stage gas valve, intermittent ignition, non-100% (and 100%) shut-off, fan time delay, 2-stage low-voltage thermostat, summer/winter switch, low-voltage controlled power venter. (Rev. A)



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.

8H6490B92 — Three-phase, 2 stage gas valve, intermittent ignition, non-100% (and 100%) shut-off, fan time delay, 2-stage low-voltage thermostat, summer/winter switch, low-voltage controlled power vent, (Rev. A)

