

## IMPORTANT

1. Always include complete heater model and serial number so that any specification change can be considered for parts shipment. It can save time and expense.
2. Check temperature setting on control being replaced.
3. We reserve the right to substitute functional replacements.
4. Specifications are subject to change without notice.

## Replacement Parts/Service

**APPLIES TO: Functional Replacement  
Fan/Blower Controls and  
Limit Controls**

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## SECTION 1

**TABLE 1 - Functional Replacement Fan/Blower AND/OR Limit Controls by Heater Model Group listed alphabetically (applies to currently manufactured units)**

**Footnotes for TABLE 1:**  
**IMPORTANT:** Always verify temperature setting of the original control.

<sup>A</sup> Model B Sizes 50, 75, & 100 manufactured prior to 9/96 use limit control, P/N 45602 (180°F).

<sup>B</sup> Models B and F with spark pilot manufactured after 9/99 (Serial No. Date Code AYJ) do not have an ECO limit control.

<sup>C</sup> P/N 209184 is a relay kit to replace discontinued fan control P/N 10357. Kit includes instructions.

<sup>D</sup> Furnace next to the blower.

<sup>E</sup> Second furnace from the blower

<sup>F</sup> Third furnace from the blower.

| Model                                         | Size                     | Limit Control                                         | Fan Control    |
|-----------------------------------------------|--------------------------|-------------------------------------------------------|----------------|
| ADF                                           | All Sizes                | 122856 (130°F), auto, orange                          | None           |
|                                               |                          | 122858 (135°F), manual, pink                          |                |
|                                               |                          | 82414 (306°F), ECO Device                             |                |
| ADFH                                          | All Sizes                | 19080 (155°F), auto, yellow                           | None           |
|                                               |                          | 122990 (175°F), manual, tan                           |                |
|                                               |                          | 82414 (306°F), ECO Device                             |                |
| B                                             | 25                       | 45602 (180°F), auto, white                            | 123975 (150°F) |
|                                               | <sup>A</sup> 50, 75, 100 | <sup>A</sup> 85449 (200°F), auto, yellow              |                |
|                                               | 125-400                  | 100799 (150°F), auto, white                           |                |
| <sup>B</sup> ECO Limit Control for B          | 25-50                    | 131449, (228°F)                                       |                |
|                                               | 75-400                   | 131450, (306°F)                                       |                |
| CAUA                                          | 150, 200                 | 148588 (270°F) w/60" capillary                        | None           |
|                                               |                          | Flame Rollout Limit, 112752, (225°F)                  |                |
|                                               | 250, 300                 | 164792 (300°F) w/54" capillary                        |                |
|                                               |                          | Flame Rollout Limit, 121275, (275°F)                  |                |
|                                               | 350, 400                 | 148588 (270°F) w/60" capillary                        |                |
|                                               |                          | Flame Rollout Limit, 112752, (225°F)                  |                |
| (H)EEDU                                       | All                      | 45602, (180°F), auto, white                           | 147611         |
| F                                             | 25                       | 85449, (200°F), auto, yellow                          | 123974 (135°F) |
|                                               | 50                       | 85449, (200°F), auto, yellow                          | 123976 (135°F) |
|                                               | <sup>A</sup> 75, 100     | <sup>A</sup> 85449, (200°F), auto, yellow             | 123976 (135°F) |
|                                               | 125                      | 45602, (180°F), auto, white                           | 123976 (135°F) |
|                                               | 130, 165                 | 82091, (160°F), auto, red                             | 123976 (135°F) |
|                                               | 200                      | 85449, (200°F), auto, yellow                          | 123974 (135°F) |
|                                               | 250, 300, 400            | 45602, (180°F), auto, white                           | 123974 (135°F) |
| <sup>B</sup> ECO Limit Control for F          | 25-50                    | 131449, (228°F)                                       |                |
|                                               | 75-400                   | 82414, (306°F)                                        |                |
| LDAP                                          | 400                      | Limit, 112753 (150°F), white                          | None           |
|                                               |                          | Limit, 202048 (240°F), auto, silver                   |                |
|                                               | 800                      | (2) Limit, 112753 (150°F), white                      |                |
|                                               |                          | (2) Limit, 202048 (240°F), auto, silver               |                |
|                                               | 1200                     | (3) Limit, 112753 (150°F), white                      |                |
|                                               |                          | (3) Limit, 202048 (240°F), auto, silver               |                |
|                                               | All                      | Linear Limit w/60" Capillary, 148588 (270°F), auto    |                |
| OH                                            | 95                       | Fan & Limit Control Assembly, P/N 123977              |                |
|                                               | 140, 190                 | Fan & Limit Control Assembly, P/N 123973              |                |
| PDH/SDH/RDH                                   | 75-150                   | 40" Capillary, Auto Reset, P/N 210854 (190°F), yellow | None           |
|                                               | 175-225                  | 60" Capillary, Auto Reset, P/N 210855 (240°F), green  |                |
|                                               | 250-400                  | 60" Capillary, Auto Reset, P/N 211066 (300°F), red    |                |
| PEH/REH                                       | All                      | P/N 254754, Auto Reset, 3/4" disc                     | None           |
| MAPS III<br>RDCB, Rddb<br>Gas Heat<br>Section | 100                      | P/N 258855 (240°F), 22" capillary, auto, white        | None           |
|                                               | 150-800                  | P/N 148588, 60" Capillary, Auto Reset, (270°F)        |                |
|                                               | 1000-1600                | P/N 148588, 60" Capillary, Auto Reset, (270°F)        |                |
|                                               |                          | P/N 82414, ECO, 306°F                                 |                |

(continued on page 2)

## SECTION 1 (cont'd)

**TABLE 1 (cont'd) -  
Functional  
Replacement Fan/  
Blower AND/OR  
Limit Controls by  
Heater Model Group  
listed alphabetically  
(applies to currently  
manufactured units)**

### Footnotes for TABLE 1

(cont'd):

**IMPORTANT:** Always verify temperature setting of the original control.

<sup>c</sup> P/N **209184** is a relay kit to replace discontinued fan control P/N 10357. Kit includes instructions.

<sup>d</sup> Furnace next to the blower.

<sup>e</sup> Second furnace from the blower

<sup>f</sup> Third furnace from the blower.

| Model                                                                                  | Size                      | Limit Control                                                                                                                                                                                                    | Fan Control                                |
|----------------------------------------------------------------------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| RDF                                                                                    | All                       | <b>86979</b> (135°F), auto, pink                                                                                                                                                                                 | None                                       |
|                                                                                        |                           | <b>82610</b> (150°F) Manual Limit                                                                                                                                                                                |                                            |
|                                                                                        |                           | <b>82414</b> (306°F) Flame Safety Limit                                                                                                                                                                          |                                            |
| MAPS III RECB, REDB Electric Heat Section                                              | All                       | <b>122856</b> , 3/4" disc, auto reset, orange label                                                                                                                                                              | None                                       |
| (H)-RG, CRG, RP, CRP, HRPD, RPB, CRPB Series 8                                         | All                       | <b>50417</b> , (125°F), auto, white                                                                                                                                                                              | <sup>c</sup> <b>209184</b> Replacement Kit |
| (C)-RGBL, RPBL, PGBL and SSCBL manufactured beginning 12/96 (Serial No. Date Code AVL) | 400                       | <b>50418</b> , (145°F), auto, blue<br>60" Limit, <b>148588</b> , (270°F), auto                                                                                                                                   | <sup>c</sup> <b>209184</b> Replacement Kit |
|                                                                                        | 500/600/<br>700/800       | <sup>d</sup> <b>50418</b> , (145°F), auto, blue<br><sup>e</sup> <b>57953</b> , (170°F), auto, green<br><sup>e</sup> 60" Limit, <b>148588</b> , (270°F), auto                                                     |                                            |
|                                                                                        |                           | <sup>d</sup> <b>50417</b> , (125°F), auto, white<br><sup>e</sup> <b>50418</b> , (145°F), auto, blue<br><sup>f</sup> <b>57953</b> , (170°F), auto, green<br><sup>f</sup> 60" Limit, <b>148588</b> , (270°F), auto |                                            |
|                                                                                        | 1050/ 1200                | <sup>d</sup> <b>50417</b> , (125°F), auto, white<br><sup>e</sup> <b>50418</b> , (145°F), auto, blue<br><sup>f</sup> <b>57953</b> , (170°F), auto, green<br><sup>f</sup> 60" Limit, <b>148588</b> , (270°F), auto |                                            |
|                                                                                        |                           |                                                                                                                                                                                                                  |                                            |
|                                                                                        |                           |                                                                                                                                                                                                                  |                                            |
|                                                                                        |                           |                                                                                                                                                                                                                  |                                            |
|                                                                                        |                           |                                                                                                                                                                                                                  |                                            |
|                                                                                        |                           |                                                                                                                                                                                                                  |                                            |
| (H)-RX, CRX, RPV Series 8                                                              | All                       | <b>50417</b> , (125°F), auto, white                                                                                                                                                                              | <sup>c</sup> <b>209184</b> Replacement Kit |
| SC Series 6                                                                            | All                       | <b>50417</b> , (125°F), auto, white                                                                                                                                                                              | <sup>c</sup> <b>209184</b> Replacement Kit |
| ECO Limit Control for SC Series 6 prior to 12/99 (Serial No. Date Code AYL)            | All                       | <b>82414</b> (306°F)                                                                                                                                                                                             |                                            |
| SHH                                                                                    | 130, 180, 350             | 60" Capillary, Auto Reset, P/N <b>210855</b> (240°F), green                                                                                                                                                      | None                                       |
|                                                                                        | 260                       | 60" Capillary, Auto Reset, P/N <b>148588</b> (270°F)                                                                                                                                                             |                                            |
|                                                                                        | All                       | Vent Temperature Limit Switch, <b>221158</b> , opens 145°F, manual reset                                                                                                                                         |                                            |
| UDAP/UDAS                                                                              | 30                        | High Limit, <b>96512</b> (220°F), auto, blue<br>Flame Rollout Limit, <b>197033</b> , (210°F)                                                                                                                     | None                                       |
|                                                                                        | 45                        | High Limit, <b>96512</b> (220°F), auto, blue<br>Flame Rollout Limit, <b>196949</b> , (225°F)                                                                                                                     |                                            |
|                                                                                        | UDAP45-LN (with Opt AL2B) | Flame Rollout Limit, <b>85449</b> , (200°F)                                                                                                                                                                      |                                            |
|                                                                                        | 60, 75                    | High Limit, <b>45602</b> (180°F), auto<br>Flame Rollout Limit, <b>197033</b> , (210°F)                                                                                                                           |                                            |
|                                                                                        |                           | High Limit, <b>45602</b> (180°F), auto<br>Flame Rollout Limit, <b>196950</b> (250°F)                                                                                                                             |                                            |
|                                                                                        | 100                       | High Limit, <b>85449</b> (200°F), auto, yellow<br>Flame Rollout Limit, <b>196950</b> (250°F)                                                                                                                     |                                            |
|                                                                                        | 125                       | High Limit, <b>45602</b> (180°F), auto<br>Flame Rollout Limit, <b>196950</b> (250°F)                                                                                                                             |                                            |
|                                                                                        | 150                       | High Limit, <b>45602</b> (180°F), auto                                                                                                                                                                           |                                            |
|                                                                                        | 175                       | High Limit, <b>82091</b> (160°F), auto, red                                                                                                                                                                      |                                            |
|                                                                                        | 200                       | High Limit, <b>45602</b> (180°F), auto                                                                                                                                                                           |                                            |
|                                                                                        | 225                       | High Limit, <b>82091</b> (160°F), auto, red                                                                                                                                                                      |                                            |
|                                                                                        | 250                       | High Limit, <b>45602</b> (180°F), auto                                                                                                                                                                           |                                            |
|                                                                                        | 300                       | High Limit, <b>85449</b> (200°F), auto, yellow                                                                                                                                                                   |                                            |
|                                                                                        | 350, 400                  | High Limit, <b>45602</b> (180°F), auto                                                                                                                                                                           |                                            |
|                                                                                        | 30                        | High Limit, <b>201961</b> (275°F), auto, green                                                                                                                                                                   |                                            |
|                                                                                        | 45                        | High Limit, <b>96512</b> (220°F), auto, blue                                                                                                                                                                     |                                            |
| UDBP/UDBS                                                                              | 60, 75                    | High Limit, <b>85449</b> (200°F), auto, yellow                                                                                                                                                                   | None                                       |
|                                                                                        | 100                       | High Limit, <b>96512</b> (220°F), auto, blue                                                                                                                                                                     |                                            |
|                                                                                        | 125                       | High Limit, <b>201961</b> (275°F), auto, green                                                                                                                                                                   |                                            |
|                                                                                        | 150                       | High Limit, <b>45602</b> (180°F), auto                                                                                                                                                                           |                                            |
|                                                                                        | 175, 200                  | High Limit, <b>202048</b> (240°F), auto, silver                                                                                                                                                                  |                                            |
|                                                                                        | 225, 250                  | High Limit, <b>45602</b> (180°F), auto                                                                                                                                                                           |                                            |
|                                                                                        | 300                       | High Limit, <b>201962</b> (250°F), auto, orange                                                                                                                                                                  |                                            |
|                                                                                        | 350                       | High Limit, <b>202048</b> (240°F), auto, silver                                                                                                                                                                  |                                            |
|                                                                                        | 400                       | High Limit, <b>85449</b> (200°F), auto, yellow                                                                                                                                                                   |                                            |
|                                                                                        |                           |                                                                                                                                                                                                                  |                                            |
| UEAS                                                                                   | 130, 180                  | High Limit, <b>45602</b> (180°F), auto                                                                                                                                                                           |                                            |
|                                                                                        | 260                       | High Limit, <b>85449</b> (200°F), auto, yellow                                                                                                                                                                   |                                            |
|                                                                                        | 310                       | High Limit, <b>45602</b> (180°F), auto                                                                                                                                                                           |                                            |
|                                                                                        | All                       | Vent Temperature Limit Switch, <b>221158</b> , opens 145°F, manual reset                                                                                                                                         |                                            |
| (H)-X, CX, XE, CXE Series 8                                                            | All                       | <b>50417</b> , (125°F), auto, white                                                                                                                                                                              | <sup>c</sup> <b>209184</b> Replacement Kit |

## SECTION 2A

**TABLE 2: Functional Replacement Fan/Blower and/or Limit Controls by Heater Model - Applies to: NO-LONGER-MANUFACTURED UNITS listed alphabetically by Model group) - See NOTES page 5.**

**IMPORTANT:** Depending on usage and availability, replacement parts listed in **TABLE 2** may not be available. If part is no longer available from the manufacturer and/or no longer used for current Reznor product, replacement part will not be available when inventory as of 2/2010 is depleted.

| Model                                    | Size                                                         | Fan Control                                                                                           | Replaces                                                   | Limit Control                                                         | Replaces |
|------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------------------|----------|
| AEUH                                     | 3 KW                                                         | Time Delay Relay, P/N <b>46382</b> ,<br>for 120 volt only; P/N <b>46386</b> for<br>all other voltages |                                                            | <b>45534</b> (120°F), auto, white                                     |          |
|                                          | 5KW                                                          |                                                                                                       |                                                            | <b>45535</b> (140°F), auto, white                                     |          |
|                                          | 7 KW                                                         |                                                                                                       |                                                            | <b>45536</b> (170°F), auto, white                                     |          |
|                                          | 10 KW                                                        |                                                                                                       |                                                            | <b>45537</b> (210°F), auto, white                                     |          |
|                                          | 12 KW                                                        |                                                                                                       |                                                            | <b>45538</b> (230°F), auto, white                                     |          |
| AHCA, AHDA Heat<br>Section               | 100-250                                                      | None                                                                                                  |                                                            | <b>50417</b> (125°F), auto, white                                     |          |
|                                          | 300                                                          |                                                                                                       |                                                            | Heat Section closest to blower, <b>50418</b> ,<br>(145°F), auto, blue |          |
|                                          | 350                                                          |                                                                                                       |                                                            | Discharge Heat Section, <b>57953</b> (170°F)                          |          |
|                                          | 400-700                                                      |                                                                                                       |                                                            | <b>50417</b> (125°F)                                                  |          |
|                                          |                                                              |                                                                                                       |                                                            | Heat Section closest to blower, <b>50418</b> ,<br>(145°F), auto, blue |          |
|                                          |                                                              |                                                                                                       |                                                            | Discharge Heat Section, <b>57953</b> (170°F)                          |          |
| All                                      | Linear Limit w/60" Capillary, <b>148588</b><br>(270°F), auto |                                                                                                       |                                                            |                                                                       |          |
| <sup>A</sup> AFA                         | All except 4660;<br>mfgd 1950-51 only                        | <sup>A</sup> <b>63254</b> Replacement Kit                                                             | 892, 1472                                                  | <b>1473</b> (555°F)                                                   | 893      |
| BE                                       | 25-100                                                       | <b>123975</b> (150°F)                                                                                 | 100857                                                     | <b>45602</b> (180°F), auto, white                                     |          |
|                                          | 125-400                                                      |                                                                                                       |                                                            | <b>100799</b> (150°F), auto, white                                    |          |
| <sup>B</sup> ECO Limit Control for<br>BE | 25-50                                                        |                                                                                                       |                                                            | <b>131449</b> (228°F)                                                 | 96513    |
|                                          | 75-400                                                       |                                                                                                       |                                                            | <b>131450</b> (306°F)                                                 | 82414    |
| CRPV Series 5 and 6                      | All                                                          | <sup>C</sup> <b>209184</b> Replacement Kit                                                            | 10357                                                      | <b>50417</b> (125°F), auto, white                                     |          |
| DFAH, PDFAH prior to<br>Series 6         | All                                                          | <sup>C</sup> <b>209184</b> Replacement Kit                                                            | 10357                                                      | <b>50418</b> (145°F), auto, blue                                      |          |
| DFAH, DFAV                               | All                                                          | None                                                                                                  |                                                            | (2) <b>163133</b> (180°F), manual                                     |          |
|                                          |                                                              |                                                                                                       |                                                            | <b>121275</b> (275°F), ECO Device                                     |          |
| DV                                       | 109-122                                                      | None                                                                                                  |                                                            | <b>161437</b> (190°F), manual, 24"                                    |          |
|                                          | 125                                                          |                                                                                                       |                                                            | <b>161433</b> (205°F), manual, 24"                                    |          |
|                                          | All Sizes                                                    |                                                                                                       |                                                            | <b>82414</b> (306°F), ECO Device                                      |          |
| EUH                                      | All                                                          | Time Delay Relay, P/N <b>40994</b>                                                                    |                                                            | (2) <b>50417</b> (125°F), auto, white                                 |          |
| EEXL                                     | 30-400                                                       | <sup>D</sup> <b>147676</b> (135°F)                                                                    | 48706<br>(150°F),<br>63555<br>(150°F),<br>93629<br>(150°F) | <b>45602</b> (180°F), auto, white                                     |          |
| CEEXL                                    | 30, 200-250                                                  |                                                                                                       |                                                            |                                                                       |          |
| EEXLB                                    | 30, 45, 125-400                                              | <sup>D</sup> <b>147677</b> (150°F)                                                                    | 93629<br>(150°F)                                           | <b>85449</b> (200°F), auto, yellow                                    |          |
| CEEXLB                                   | 30-105, 300-400                                              |                                                                                                       |                                                            |                                                                       |          |
| CEEXL                                    | 45-170, 300-400                                              | <sup>D</sup> <b>147676</b> (135°F)                                                                    |                                                            | <b>82091</b> (160°F), auto, red                                       |          |
| EEXLB                                    | 60-105                                                       | <sup>D</sup> <b>147677</b> (150°F)                                                                    | 93629<br>(150°F)                                           | <b>85449</b> (200°F), auto, yellow                                    |          |
| CEEXLB                                   | 125-250                                                      |                                                                                                       | 93631<br>(170°F)                                           |                                                                       |          |
| FE                                       | 25                                                           | <b>123974</b> (135°F)                                                                                 |                                                            | <b>85449</b> (200°F), auto, yellow                                    |          |
|                                          | 50                                                           | <b>123976</b> (135°F)                                                                                 |                                                            | <b>85449</b> (200°F), auto, yellow                                    |          |
|                                          | 75, 100, 125                                                 | <b>123976</b> (135°F)                                                                                 |                                                            | <b>45602</b> (180°F), auto, white                                     |          |
|                                          | 130, 165                                                     | <b>123976</b> (135°F)                                                                                 |                                                            | <b>82091</b> (160°F), auto, red                                       |          |
|                                          | 200                                                          | <b>123974</b> (135°F)                                                                                 |                                                            | <b>85449</b> (200°F), auto, yellow                                    |          |
|                                          | 250, 300, 400                                                | <b>123974</b> (135°F)                                                                                 |                                                            | <b>45602</b> (180°F), auto, white                                     |          |
| <sup>B</sup> ECO Limit Control<br>for FE | 25-50                                                        |                                                                                                       |                                                            | <b>131449</b> (228°F)                                                 |          |
|                                          | 75-400                                                       |                                                                                                       |                                                            | <b>82414</b> (306°F)                                                  |          |
| <sup>A</sup> FM                          | All; 1952-3/55 only                                          | <sup>A</sup> <b>63254</b> Replacement Kit                                                             | 892, 1472                                                  | <b>1473</b>                                                           | 893      |
| FT                                       | 30                                                           | None                                                                                                  |                                                            | High Limit, <b>45602</b> (180°F)                                      |          |
|                                          | 45                                                           |                                                                                                       |                                                            | Flame Rollout Limit, <b>121275</b> , (275°F)                          |          |
|                                          |                                                              |                                                                                                       |                                                            | High Limit, <b>45602</b> (180°F)                                      |          |
|                                          | 60                                                           |                                                                                                       |                                                            | Flame Rollout Limit, <b>112752</b> , (225°F)                          |          |
|                                          |                                                              |                                                                                                       |                                                            | High Limit, <b>45602</b> (180°F)                                      |          |
|                                          | 75                                                           |                                                                                                       |                                                            | Flame Rollout Limit, <b>121275</b> , (275°F)                          |          |
|                                          |                                                              |                                                                                                       |                                                            | High Limit, <b>45602</b> (180°F)                                      |          |
|                                          | 100-200                                                      |                                                                                                       |                                                            | High Limit, <b>155764</b> (220°F)                                     |          |
| 250-300                                  | Fan Back Limit, <b>100799</b> (150°F)                        | 85449                                                                                                 |                                                            |                                                                       |          |
| High Limit, <b>155765</b> (200°F)        |                                                              |                                                                                                       |                                                            |                                                                       |          |
| OB                                       | 95                                                           | Fan & Limit Control Assembly, P/N <b>123977</b>                                                       |                                                            |                                                                       | 120679   |
|                                          | 140, 190                                                     | Fan & Limit Control Assembly, P/N <b>123973</b>                                                       |                                                            |                                                                       | 104837   |

(continued on page 4)

## SECTION 2A (cont'd)

**TABLE 2 (cont'd) - Functional Replacement Fan/Blower and/or Limit Controls by Heater Model**  
(applies to **NO-LONGER-MANUFACTURED UNITS** listed alphabetically by Model group)

| Model                                                                                                                          | Size                          | Fan Control                                                  | Replaces  | Limit Control                                                    | Replaces                          |
|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--------------------------------------------------------------|-----------|------------------------------------------------------------------|-----------------------------------|
| OUH, OUB, OUE, ROUE                                                                                                            | 95, 140, 185, 200             | Combination Fan & Limit, M/H #L4064-1592-4, P/N <b>36559</b> |           |                                                                  |                                   |
| (C)-PAK, RPAK, RPVAK Series 6                                                                                                  | 1                             | ° <b>209184</b>                                              | 10357     | <b>50417</b> (125°F), auto, white                                |                                   |
|                                                                                                                                | 2                             |                                                              |           | ° <b>50417</b> (125°F), auto, white                              |                                   |
|                                                                                                                                | 3                             |                                                              |           | ° <b>57953</b> (170°F), auto, green                              |                                   |
|                                                                                                                                |                               |                                                              |           | ° <b>50417</b> (125°F), auto, white                              |                                   |
|                                                                                                                                |                               |                                                              |           | ° <b>19080</b> (155°F), auto, yellow                             |                                   |
| (C)-PAK, RPAK, RPVAK prior to Series 6                                                                                         | 1                             | ° <b>209184</b>                                              | 10357     | ° <b>57953</b> (170°F), auto, green                              |                                   |
|                                                                                                                                | 2                             |                                                              |           | ° <b>50417</b> (125°F), auto, white                              |                                   |
|                                                                                                                                | 3                             |                                                              |           | ° <b>50417</b> (125°F), auto, white                              |                                   |
|                                                                                                                                |                               |                                                              |           | ° <b>19080</b> (155°F), auto, yellow                             |                                   |
|                                                                                                                                |                               |                                                              |           | ° <b>57953</b> (170°F), auto, green                              |                                   |
| PCCA, PCDA Heat Section                                                                                                        | 100-250                       | None                                                         |           | <b>50417</b> (125°F), auto, white                                |                                   |
|                                                                                                                                | 300                           |                                                              |           | Heat Section closest to blower, <b>50418</b> (145°F), auto, blue |                                   |
|                                                                                                                                | 350                           |                                                              |           | Discharge Heat Section, <b>57953</b> (170°F)                     |                                   |
|                                                                                                                                | 400-700                       |                                                              |           | <b>50417</b> , (125°F)                                           |                                   |
|                                                                                                                                |                               |                                                              |           | Heat Section closest to blower, <b>50418</b> (145°F), auto, blue |                                   |
|                                                                                                                                | 100-700                       |                                                              |           | Discharge Heat Section, <b>57953</b> (170°F)                     |                                   |
| PV, PVA, PVB, PVE                                                                                                              | All                           | ° <b>209184</b>                                              | 10357     | Linear Limit w/60" Capillary, <b>148588</b> (270°F), auto        |                                   |
| MAPS II RDCA, RDDA Gas Heat Section                                                                                            | 100                           | None                                                         |           | <b>50418</b> (145°F), auto, blue                                 |                                   |
|                                                                                                                                | 150-700                       |                                                              |           | Linear Limit w/66" Capillary, <b>201741</b> (240°F), auto        |                                   |
| MAPS II RECA, REDA Electric Heat Section                                                                                       | All                           | None                                                         |           | Linear Limit w/60" Capillary, <b>148588</b> (270°F), auto        |                                   |
| RCG 7-1/2 and 10 Ton                                                                                                           | All mfgd prior to 1994        | ° <b>209184</b>                                              | 10357     | Auto Reset Limit Control, <b>122856</b> , orange                 |                                   |
| RGB, CRGB                                                                                                                      | All                           | ° <b>209184</b>                                              | 10357     | <b>50417</b> (125°F), auto, white                                | 11305, 12936, 26303               |
| (C)-RGLB, RPBL manufactured prior to 12/96 (last Serial No. Date Code AVK)                                                     | 400                           | ° <b>209184</b>                                              | 10357     | <b>50417</b> , (125°F), auto, white                              | 11305                             |
|                                                                                                                                | 500/600/ 700/800              |                                                              |           | ° <b>50417</b> , (125°F), auto, white                            | 12937                             |
|                                                                                                                                | 1050/1200                     |                                                              |           | ° <b>57953</b> , (170°F), auto, green                            | 57952                             |
|                                                                                                                                |                               |                                                              |           | ° <b>19080</b> , (155°F), auto, yellow                           | 12937                             |
| RP, HRPD with Option BU12                                                                                                      | All                           | ° <b>209184</b>                                              | 10357     | ° <b>57953</b> , (170°F), auto, green                            |                                   |
| (H)-RX, CRX, REB, CREB, RPV, CRPV, RPVE, RPBE Series 6 and 7; (H)-CRPV Series 5 and 6                                          | All                           | ° <b>209184</b>                                              | 10357     | <b>196571</b> , (140°F), auto, green                             |                                   |
| (C), (H), (HC) - RX, REB, RXE, RXJ, RXG, RXR, RPV, RPBE, RPVE, RPVJ prior to Series 6 (except (H)-CRPV-5)                      |                               | ° <b>209184</b>                                              | 10357     | <b>50417</b> (125°F), auto, white                                |                                   |
| SC Series 3 and 5                                                                                                              | All                           | ° <b>209184</b>                                              | 10357     | <b>50418</b> (145°F), auto, blue                                 |                                   |
| SC prior to Series 3; SCA, SCB, SCD, SCE, HSC prior to Series 5 and Series 5                                                   | All                           | ° <b>209184</b>                                              | 10357     | <b>50417</b> (125°F), auto, white                                | 11305, 15183                      |
| ECO Limit Control for SCA, SCB, SCE Series 6 prior to 12/99 (Serial No. Date Code AYL)                                         | All                           |                                                              |           | <b>50418</b> (145°F), auto, blue                                 |                                   |
| SFT                                                                                                                            | 45-75                         | None                                                         |           | <b>82414</b> (306°F)                                             |                                   |
|                                                                                                                                | 100-200                       |                                                              |           | High Limit, <b>45602</b> (180°F)                                 |                                   |
|                                                                                                                                |                               |                                                              |           | Flame Rollout Limit, <b>157282</b> (180°F)                       |                                   |
|                                                                                                                                |                               |                                                              |           | 250-300                                                          | High Limit, <b>155764</b> (220°F) |
| UA; UB                                                                                                                         | All; Mfgd prior to 1994       | ° <b>209184</b>                                              | 10357     | High Limit, <b>155765</b> (200°F)                                | 85449                             |
| ^ US-F, LUS-F                                                                                                                  | 25 - 200; mfgd 1950-1956 only | ° <b>63254</b> Replacement Kit                               | 1472, 892 | <b>50417</b> (125°F), auto, white                                | 11305, 12936, 26303               |
| (H)-X, CX, XE, CXE Series 6 and 7                                                                                              | All                           | ° <b>209184</b>                                              | 10357     | <b>50417</b> (125°F), auto, white                                |                                   |
| ECO Limit Control for (H) - X, CX, XE, CXE with standing pilot and with spark pilot prior to 12/99 (Serial No. Date Code AYL ) | All                           |                                                              |           | <b>1473</b> (555°F), auto                                        | 893                               |
|                                                                                                                                |                               |                                                              |           | <b>50417</b> , (125°F), auto, white                              |                                   |
|                                                                                                                                |                               |                                                              |           | <b>131450</b> (306°F)                                            |                                   |

| Model                                                                     | Size                           | Fan Control      | Replaces                                          | Limit Control             | Replaces |
|---------------------------------------------------------------------------|--------------------------------|------------------|---------------------------------------------------|---------------------------|----------|
| (H), (C), (HC) - X, XE prior to Series 6                                  | All                            | ° 209184         | 10357                                             | 50418 (145°F), auto, blue |          |
| XA, XB, XC, XD, XJ, XR                                                    | All                            | ° 209184         | 10357                                             | 50418 (145°F), auto, blue |          |
| XL                                                                        | 30-400                         | ° 147676 (135°F) | 48706 (150°F),<br>63555 (150°F),<br>93629 (150°F) | 45602 (180°F), auto       |          |
| CXL                                                                       | 140-400                        |                  |                                                   |                           |          |
| XLB                                                                       | 30, 45                         | ° 147677 (150°F) |                                                   | 45602 (180°F), auto       |          |
| CXLB                                                                      | 30-105                         |                  |                                                   |                           |          |
| CXL                                                                       | 30-105                         | ° 147676 (135°F) |                                                   | 85449 (200°F)             |          |
| XLB                                                                       | 60-105, 300-400                | ° 147677 (150°F) |                                                   | 82091 (160°F)             |          |
| CXLB                                                                      | 300-400                        |                  |                                                   |                           |          |
| XLB, CXLB                                                                 | 200-225                        | ° 147677 (150°F) |                                                   | 45602 (180°F)             |          |
| XLB, CXLB                                                                 | 125-170                        |                  |                                                   | 85449 (200°F)             |          |
| XLB, CXLB                                                                 | 250                            |                  |                                                   | 82091 (160°F)             |          |
| ECO Limit Control for XL, CXL, XLB, CXLB - Starting 4/83 (Serial No. AID) | All Sizes; Standing Pilot only |                  |                                                   | 82414 (306°F)             |          |

#### NOTES for TABLE 2:

**IMPORTANT:** Always verify temperature setting of the original control.

<sup>A</sup> For installing functional replacement Fan Relay Kit, P/N 63254, follow the instructions on page 7. NOTE: When inventory of components in relay kit are depleted, replacement will no longer be available.

<sup>B</sup> Models FE and BE and Models B and F with spark pilot manufactured after 9/99 (Serial No. Date Code AYJ) do not have an ECO limit control.

<sup>c</sup> P/N **209184** is a relay kit to replace discontinued fan control P/N 10357. Kit includes instructions.

<sup>d</sup> Replacement kit with spring-loaded fan control assembly. To install, follow the instructions on page 6.

<sup>E</sup> Furnace next to the blower.

<sup>F</sup> Second furnace from the blower

<sup>G</sup> Third furnace from the blower.

## SECTION 2B - Installing Replacement Fan Control on Models (C)XL, (C)EEXL, (C)XLB, and (C)EEXLB

1. Turn off the gas and the electric.
2. Disconnect and remove the defective fan control. If the fan control is on a spring-loaded bracket as illustrated in the photos, remove the entire bracket assembly. Earlier models have the fan control seated directly on the heat exchanger base; remove the fan control only.
3. Refer to the instructions and illustration below that apply to the Size of heater being serviced. Follow the instructions.
4. Re-connect the fan control wires and re-assemble the heater.
5. Light the heater and check for proper operation.

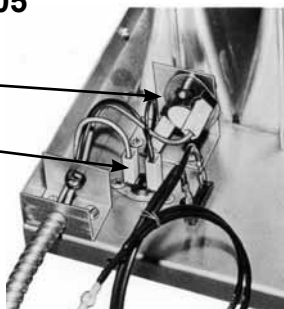
### Instructions for Sizes 30-105

Locate the replacement fan control bracket assembly at the **first heat exchanger tube**. Position to the right of the tube seam as illustrated. Attach with the screws in the kit. It is important that the spring action of the fan control bracket allow the fan control to contact the heat exchanger tube.

### Location of Original Equipment Fan Control - Sizes 30-105

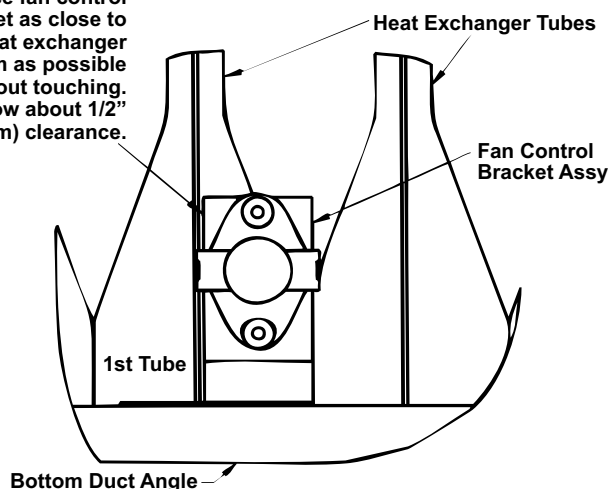
Fan Control

Limit Control



### Fan Control Position - Sizes 30-105

Place fan control bracket as close to heat exchanger seam as possible without touching. Allow about 1/2" (13mm) clearance.



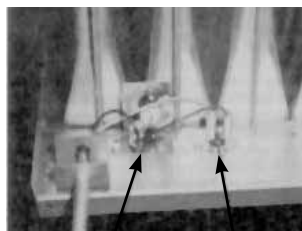
**NOTE:** If the fan control that was removed did not include a bracket; use the left hole and drill a #20 hole to attach the bracket. Be certain the fan control will be positioned as illustrated.

### Instructions for Sizes 125-400

Locate the replacement fan control bracket assembly at the **second heat exchanger tube**.

Position to the left of the tube seam as illustrated. Attach with the screws in the kit. It is important that the spring action of the fan control bracket allow the fan control to contact the heat exchanger tube.

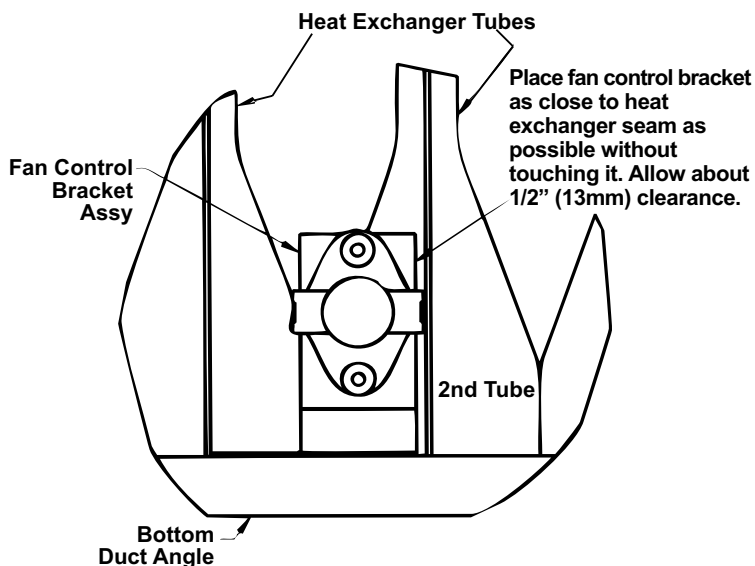
### Location of Original Equipment Fan Control - Sizes 125-400



Fan Control

Limit Control

### Fan Control Position - Sizes 125-400



**NOTE:** If the fan control that was removed did not include a bracket; use the left hole and drill a #20 hole to attach the bracket. Be certain the fan control will be positioned as illustrated.

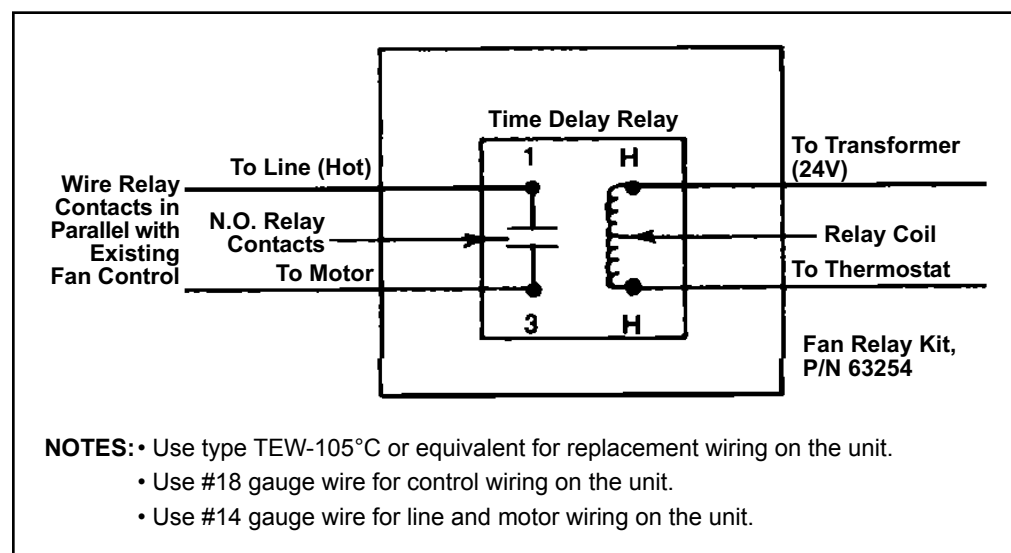
## SECTION 2C - Functional Replacement for Discontinued Fan Control, Relay Kit P/N 63254

A fan relay kit (**P/N 63254**) may be used to replace the discontinued fan control on **Models LUS/F, FM, and AFA** units equipped with **24 volt controls**. This fan relay kit may also be used, if desired, on Models XA, XB, XL, XLB.

| Components: |       |                                                |
|-------------|-------|------------------------------------------------|
| Qty         | P/N   | Description                                    |
| 2           | 42924 | Red Wire Assembly, 18 ga x 6" with terminal    |
| 1           | 40750 | Black Wire Assembly, 18 ga x 15" with terminal |
| 1           | 40749 | White Wire Assembly, 18 ga x 15" with terminal |
| 1           | 52887 | Time Delay Fan Relay, Thermodisc 12522         |
| 1           | 10159 | Outlet Box 4"x4" x 2-1/8" DP                   |
| 1           | 16221 | Conduit Nipple, Kinray 2639                    |
| 2           | 16222 | 1/2" Lockout T&B #141                          |
| 1           | 3397  | Rubber Grommet                                 |
| 1           | 1849  | "U" Nut, Tinnerman #C7392-10Z                  |
| 1           | 11813 | #10x1/2" long Sheetmetal Screws                |
| 1           | 17320 | 4" x 4" Cover                                  |
| 2           | 16354 | Wire Nut                                       |

### Instructions for Installing Time Delay Fan Relay

- 1) Turn off gas supply and electric.
- 2) Use the conduit nipple and locknut to attach the pre-wired 4x4 box to the electrical outlet box on the unit.
- 3) Wire as illustrated below.
- 4) Turn on the electric and gas supply.
- 5) Refer to Operating Sequence below and verify proper operation.



### Operating Sequence

- 1) Follow lighting instructions and establish pilot.
- 2) Turn on power energizing control transformer in series with limit control.
- 3) Thermostat calls for heat, energizing the gas valve and time delay fan relay.
- 4) Fan control senses heat exchanger temperature, energizing the fan motor.
- 5) When the thermostat is satisfied, the gas valve is de-energized, shutting off the gas supply to the main burner.
- 6) When the unit has cooled, the fan control opens, shutting off the fan motor.

