

FAN AND LIMIT CONTROLS FOR UNIVERSAL REPLACEMENT

Single Element Type for Applications with Narrow Space Limitations. Regulates Fan or Blower Operation & Acts as High Limit Safety Control



5D51-35

FEATURES

- Slotted mounting holes for easy installation.
- Long terminal screws for wiring — Junctions can be made on terminal block.
- Dial has individual pointers for fan cut-in and cut-out settings.
- Removable solid copper jumper between fan and limit switches.
- Summer fan switch for ventilation without changing control settings. Has same fan and limit switch mechanism.

SPECIFICATIONS

Agency U.L. recognized and C.S.A. certified
Dimensions 2.9" W x 4.3" H x 1.6" D

| Model Number | Element Length | Description | Range | Differential | Switch Action | Full Electrical Rating | Motor Rating (Full Load) | | Valves and Relays | |
|--------------|----------------|-------------|----------------------------|--------------|---------------|------------------------|--------------------------|---------|-------------------|------------|
| | | | | | | | 120 VAC | 240 VAC | 24 VAC | 0.3-12v DC |
| 5D51-35 | 5" | Fan | 50 to 265°F (10 to 129°C) | Adjustable | Close on Rise | HT | 14.0A | 7.0A | 5.6A | — |
| 5D51-90 | 8" | Limit | 100 to 300°F (38 to 149°C) | Fixed 25°F | Open on Rise | See page 416 | 10.0A | 6.0A | 6.0A | 1.0A |
| 5D51-78 | 11" | | | | | See page 416 | | | | |

FURNACE

BOARD MOUNT LIMIT CONTROLS

1/2" Bimetal Disc with Ranges for Your System Needs



FEATURES

- Proven reliability in a compact, versatile, cost-effective design.
- Provides high-speed contact separation.
- OEM replacement for competitive models.

TECHNICAL HELP

Dimension drawings and specifications See pages 287-289

| Model Number | Figure (pages 287-289) | Construction (pages 287-289) | Opens/Closes (°F) | Length (in inches) | TOD Type | TOD Style |
|--------------|------------------------|------------------------------|-------------------|--------------------|----------|-----------|
| 3L09-1 | 1 | | 140/100 | 1.87 | 36T | 612700 |
| 3L09-2 | 1 | | 170/130 | 1.87 | 36T | 612708 |
| 3L09-3 | 2 | A | 140/110 | 3.12 | 36T | 612701 |
| 3L09-4 | 2 | C | 150/130 | 3.12 | 36T | 612703 |
| 3L09-5 | 2 | C | 160/140 | 3.12 | 36T | 612706 |
| 3L09-6 | 2 | B | 170/130 | 3.12 | 36T | 612710 |
| 3L09-7 | 2 | A | 175/145 | 3.12 | 36T | 612711 |
| 3L09-8 | 2 | B | 180/160 | 3.12 | 36T | 612714 |
| 3L09-9 | 2 | C | 190/170 | 3.12 | 36T | 612715 |
| 3L09-10 | 2 | B | 200/160 | 3.12 | 36T | 612718 |
| 3L09-11 | 2 | B | 210/170 | 3.12 | 36T | 612719 |
| 3L09-12 | 2 | B | 220/180 | 3.12 | 36T | 612722 |
| 3L09-13 | 2 | A | 240/210 | 3.12 | 36T | 612723 |
| 3L09-14 | 2 | B | 250/210 | 3.12 | 36T | 612725 |

| Model Number | Figure (pages 287-289) | Construction (pages 287-289) | Opens/Closes (°F) | Length (in inches) | TOD Type | TOD Style |
|--------------|------------------------|------------------------------|-------------------|--------------------|----------|-----------|
| 3L09-15 | 2 | A | 260/230 | 3.12 | 36T | 612727 |
| 3L09-16 | 3 | A | 150/130 | 3.12 | 36T | 612704 |
| 3L09-17 | 3 | A | 250/225 | 3.12 | 36T | 612726 |
| 3L09-18 | 3 | B | 155/125 | 7.12 | 36T | 612705 |
| 3L09-19 | 3 | B | 175/145 | 7.12 | 36T | 612712 |
| 3L09-20 | 3 | B | 240/210 | 7.12 | 36T | 612724 |
| 3L09-21 | 4 | A | 150/130 | 3.12 | 36T | 612702 |
| 3L09-22 | 4 | A | 160/140 | 3.12 | 36T | 612707 |
| 3L09-23 | 4 | A | 170/150 | 3.12 | 36T | 612709 |
| 3L09-24 | 4 | B | 190/170 | 3.12 | 36T | 612716 |
| 3L09-25 | 4 | B | 200/180 | 3.12 | 36T | 612717 |
| 3L09-26 | 5 | | 180/160 | 1.87 | 36T | 612713 |
| 3L09-27 | 5 | | 220/200 | 1.87 | 36T | 612721 |
| 3L09-28 | 6 | | 210/180 | 3.12 | 36T | 612720 |