

Fan and Limit Controllers

L4064 Fan and Limit Controllers



For control of high limit and fan motor in all types of forced air heating systems.

- Three wiring terminal options available for easy installation.
- Push-in receptacles for stripped wire.
- Female receptacles for 1/4 inch male flag connectors.
- Auxiliary screw terminals.
- Field adjustable fan and high limit settings.
- L4064B and R models have a manual fan switch that overrides the fan control to keep the fan running continuously.
- TRADELINE models with mounting adapters for easy installation and strain relief bushings to protect wiring from field abuse.

Application: Forced warm air heating systems

Switching Action: Fan switch makes and high limit switch breaks on temperature rise.

Dimensions: 4 9/32 in. high x 3 in. wide x 1 19/32 in. deep excluding element (109 mm high x 76 mm wide x 40 mm deep excluding element)

Operating Temperature Range: -40°F to +190°F (-40°C to +88°C)

Differential Temperature Range: High limit 25°F (High limit 14°C)

Tradeline Value: Tradeline

Approvals, Underwriters Laboratories Inc.: Listed File MP466, Guide MBPR

Approvals, CSA: Certified: File No. LR1622

Accessories:

50077438-001/U – Universal Swivel Bracket for L4064

| Material Number | Element Insertion Length | Electrical Ratings | Pilot Duty Ratings | Mounting | Temperature Ratings | Comments |
|-----------------|--------------------------|--|---------------------------------------|--|--|---|
| L4064B2210/U | 11 1/2 in. (292 mm) | Fan- (AFL) – 14 A @ 120 Vac; 7 A @ 240 Vac; Fan- (ALR) – 84 A @ 120 Vac; 42 A @ 240 Vac; Limit- (AFL) – 8 A @ 120 Vac; 4 A @ 240 Vac; Limit- (ALR) 48 A @ 120 Vac; 24 A @ 240 Vac | 0.25 A @ 0.25 to 12 Vdc; 2 A @ 24 Vac | Surface or universal mounting bracket available (50077438-001/U) | Maximum Ambient – At switch: 190°F; At element: 350°F; High Limit – 100°F to 250°F; Fan-on – 65°F to 215°F; Fan-off – 50°F to 200°F; High Limit Stop – 200°F; Fan-on Stop – 125°F; Fan-off Stop – 100°F (Maximum Ambient – At switch 88°C; At element: 177°C; High Limit – 38°C to 121°C; Fan-on – 18°C to 102°C; Fan-off – 10°C to 93°C) | Turns fan on and off according to plenum temperature via helical bimetal sensing element. High limit stop set at 200°F (93°C). Breakaway Jumper included. Includes manual and automatic fan on/off settings. Replaces L4064A,B,E. |
| L4064B2228/U | 5 in. (127 mm) | Fan- (AFL) – 14 A @ 120 Vac; 7 A @ 240 Vac; Fan- (ALR) – 84 A @ 120 Vac; 42 A @ 240 Vac; Limit- (AFL) – 8 A @ 120 Vac; 4 A @ 240 Vac; Limit- (ALR) 48 A @ 120 Vac; 24 A @ 240 Vac | 0.25 A @ 0.25 to 12 Vdc; 2 A @ 24 Vac | Surface or universal mounting bracket available (50077438-001/U) | Maximum Ambient – At switch: 190°F; At element: 350°F; High Limit – 100°F to 250°F; Fan-on – 65°F to 215°F; Fan-off – 50°F to 200°F; High Limit Stop – 200°F; Fan-on Stop – 125°F; Fan-off Stop – 100°F (Maximum Ambient – At switch 88°C; At element: 177°C; High Limit – 38°C to 121°C; Fan-on – 18°C to 102°C; Fan-off – 10°C to 93°C) | Turns fan on and off according to plenum temperature via helical bimetal sensing element. High limit stop set at 200°F (93°C). Breakaway Jumper included. Includes manual and automatic fan on/off settings. Replaces L4064A,B,E. |
| L4064B2236/U | 8 in. (203 mm) | Fan- (AFL) – 14 A @ 120 Vac; 7 A @ 240 Vac; Fan- (ALR) – 84 A @ 120 Vac; 42 A @ 240 Vac; Limit- (AFL) – 8 A @ 120 Vac; 4 A @ 240 Vac; Limit- (ALR) 48 A @ 120 Vac; 24 A @ 240 Vac | 0.25 A @ 0.25 to 12 Vdc; 2 A @ 24 Vac | Surface or universal mounting bracket available (50077438-001/U) | Maximum Ambient – At switch: 190°F; At element: 350°F; High Limit – 100°F to 250°F; Fan-on – 65°F to 215°F; Fan-off – 50°F to 200°F; High Limit Stop – 200°F; Fan-on Stop – 125°F; Fan-off Stop – 100°F (Maximum Ambient – At switch 88°C; At element: 177°C; High Limit – 38°C to 121°C; Fan-on – 18°C to 102°C; Fan-off – 10°C to 93°C) | Turns fan on and off according to plenum temperature via helical bimetal sensing element. High limit stop set at 200°F (93°C). Breakaway Jumper included. Includes manual and automatic fan on/off settings. Replaces L4064A,B,E. |