

# Fan Centers

## R8239 Control Center



**Dimensions, Approximate:** 4 1/2 in. high, 4 3/16 in. wide, 3 3/32 in. deep (114 mm high, 106 mm wide, 79 mm deep)

**Electrical Ratings (W):** 12 W maximum

**Frequency:** 60 Hz

**Coil Ratings (inrush):** 20 VA maximum, 17 VA nominal.

**Coil Ratings (sealed):** 10 VA maximum, 9 VA nominal

**Approvals**

**Canadian Standards Association:** Certified

**NEMA Standard:** NEMA Standard DC20-1992

**Include NEMA standard transformer for excellent voltage control. Provide low voltage control of line voltage fan motors and auxiliary circuits in heating, cooling or heating-cooling circuits.**

- NEMA standard Type D transformer (included) powers low voltage control systems.
- Provide overload protection for transformer.
- Convenient connections for thermostat, and heating-cooling equipment wiring.
- Mount on standard 4 x 4 junction box.
- Can be mounted in any indoor location without additional enclosure.
- Relay is easily replaced without disturbing wiring.
- Include relay enclosures.

**Underwriters Laboratories, Inc:** UL Listed

| Product Number | Electrical Ratings   |                         |                      |                         |
|----------------|----------------------|-------------------------|----------------------|-------------------------|
|                | (120 Vac, Full Load) | (120 Vac, Locked Rotor) | (240 Vac, Full Load) | (240 Vac, Locked Rotor) |
| R8239A1052/U   | 12A                  | 72A                     | 6.9A                 | 41.4A                   |
| R8239B1076/U   | 12A                  | 72A                     | 6.9A                 | 41.4A                   |

|   | Product Number | Application                                                             | Horsepower | Voltage                   | Power Supply (Vac) | Power Supply (Secondary) | Switching Action | Includes |
|---|----------------|-------------------------------------------------------------------------|------------|---------------------------|--------------------|--------------------------|------------------|----------|
| * | R8239A1052/U   | For single-or two speed fan.                                            | 3/4 HP     | 120 Vac                   | 40 VA              | 26.5 V                   | SPDT             | R8222B   |
| • | R8239B1076/U   | For system with F50 Electronic Air Cleaner humidifier and blower motor. | 3/4 HP     | 208 Vac; 240 Vac; 120 Vac | 50 VA              | 26.5 V                   | DPDT             | R8222D   |

\* TRADELINE models • SUPER TRADELINE models

## R8285 Control Center



**Dimensions, Approximate:** 4 3/16 in. high, 4 1/2 in. wide, 2 13/16 in. deep. (106 mm high, 114 mm wide, 71 mm deep)

**Electrical Ratings (W):** 11 W maximum

**Frequency:** 60 Hz

**Approvals**

**Canadian Standards Association:** Certified: File No. LR95329-17

**Underwriters Laboratories, Inc:** UL Component Recognized; File No. E4436, Vol.15, Sec.1, Guide No.XAPX2

**Provides low voltage control of line voltage fan motors and auxiliary circuits in heating, cooling, or air conditioning systems.**

- Transformer powers low voltage control systems and provides overload protection.
- Low voltage terminal board provides convenient connections for thermostat and heating/cooling equipment wiring.
- Mounts on standard 4 x 4 in. junction box.
- Relay is easily replaced without disturbing wiring.

| Product Number | Electrical Ratings   |                         |                      |                         |
|----------------|----------------------|-------------------------|----------------------|-------------------------|
|                | (120 Vac, Full Load) | (120 Vac, Locked Rotor) | (240 Vac, Full Load) | (240 Vac, Locked Rotor) |
| R8285A1048/U   | 12A                  | 72A                     | 6A                   | 35A                     |
| R8285B1053/U   | 12A                  | 72A                     | 6A                   | 35A                     |
| R8285D5001/U   | 12A                  | 72A                     | 6A                   | 35A                     |

|   | Product Number | Application                                                                                                  | Horsepower | Voltage                   | Power Supply (Vac) | Power Supply (Secondary) | Switching Action                       | Includes |
|---|----------------|--------------------------------------------------------------------------------------------------------------|------------|---------------------------|--------------------|--------------------------|----------------------------------------|----------|
| * | R8285A1048/U   | For single-or two speed fan.                                                                                 | 3/4 HP     | 120 Vac                   | 40 VA              | 26.5 V                   | SPDT                                   | R8222B   |
| * | R8285B1053/U   | For "Total Comfort" applications with electronic air cleaner, humidifier and blower motor.                   | 3/4 HP     | 208 Vac; 240 Vac; 120 Vac | 40 VA              | 26.5 V                   | DPDT                                   | R8222D   |
|   | R8285D5001/U   | For Hydronic Applications; use with SV9600 SmartValve™ System and other systems that require 50 VA capacity. | 3/4 HP     | 120 Vac                   | 50 VA              | 26.5 V                   | DPST (One Power Rated, One Pilot Duty) | R8222U   |

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## Fan Center Selection Guide

| Fan Centers                                   |                                    |                         |                |      |                            |                  |                       |           |                  |
|-----------------------------------------------|------------------------------------|-------------------------|----------------|------|----------------------------|------------------|-----------------------|-----------|------------------|
| Electrical Ratings-VA                         | Electrical Ratings - Input Voltage | Switching               | Product Number | NEMA | Dimensions (in.) H x W X D | Main Connections | Secondary Connections | Frequency | Special Features |
| 40VA                                          | 120 Vac                            | DPDT                    | R8239B1043/U   | Yes  | 4 1/2 x 4 3/16 x 3 3/32    | L                | L                     | A         | Super Tradeline  |
|                                               |                                    | DPST                    | R8239D1007/U   | Yes  | 4 1/2 x 4 3/16 x 3 3/32    | L                | L                     | A         | —                |
|                                               |                                    | DPST (1 Power, 1 Pilot) | R8239D1015/U   | Yes  | 4 1/2 x 4 3/16 x 3 3/32    | L                | L                     | A         | Tradeline        |
|                                               |                                    | SPDT                    | R8239A1052/U   | Yes  | 4 1/2 x 4 3/16 x 3 3/32    | L                | L                     | A         | Tradeline        |
|                                               |                                    | SPDT                    | R8239A1003/U   | Yes  | 4 1/2 x 4 3/16 x 3 3/32    | L                | L                     | A         | —                |
| 50VA                                          | 120 Vac <br>240 Vac <br>208 Vac    | DPDT                    | R8239B1076/U   | Yes  | 4 1/2 x 4 3/16 x 3 3/32    | L                | L                     | A         | Super Tradeline  |
| 40VA                                          | 120 Vac                            | SPDT                    | R8285A1048/U   | No   | 4 3/16 x 4 1/2 x 2 13/16   | L                | L                     | A         | Tradeline        |
|                                               | 120 Vac <br>240 Vac <br>208 Vac    | DPDT                    | R8285B1053/U   | No   | 4 3/16 x 4 1/2 x 2 13/16   | L                | L                     | A         | Tradeline        |
| 50VA                                          | 120 Vac                            | DPDT                    | R8285D5001/U   | No   | 4 3/16 x 4 1/2 x 2 13/16   | L                | L                     | A         | —                |
| Frequency:                                    | A - 60Hz/50Hz; B - 60Hz            |                         |                |      |                            |                  |                       |           |                  |
| Approvals:                                    | UL, CSA                            |                         |                |      |                            |                  |                       |           |                  |
| Temp Rating:                                  | -20 F to +105 F                    |                         |                |      |                            |                  |                       |           |                  |
| Connectors:                                   | L - Leadwires                      |                         |                |      |                            |                  |                       |           |                  |
| Mounting:                                     | Standard 4 X 4 in. junction box    |                         |                |      |                            |                  |                       |           |                  |
| SuperTradeline models include extra hardware. |                                    |                         |                |      |                            |                  |                       |           |                  |