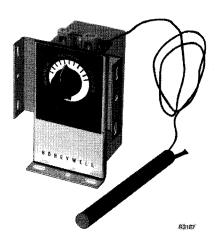
Honeywell

LP916A, B, & C Pneumatic Remote Bulb Thermostats



GENERAL

The LP916A, B and C Remote Bulb Thermostats provide proportional control of induction units, fan coil units, and unit ventilators. Wide throttling range models are available for duct discharge control of heating and/or cooling coils and mixed air dampers.

FEATURES

- A proportional two-pipe controller with a liquid filled remote bulb thermal element.
- An integral mounting bracket.
- A high impact styrene cover and a zinc plated base with a black phenolic knob.
- Scaleplate available in several ranges.
- Protected barb connectors.
- External knob adjustment.
- A variety of mounting brackets available as accessories.
- A 36-inch (914 mm) capillary length.

DESCRIPTION

The LP916A, B, and C Remote Bulb Thermostats provide proportional control of duct discharge of heating and/or cooling coils and mixed air dampers.

SPECIFICATIONS

Models:

☐ LP916A: Direct acting.

☐ LP916B: Direct acting at 18 psi (125 kPa) supply pressure. Reverse acting at 9 psi (60 kPa) or 13 psi (90 kPa) supply pressure. A switchover mechanism changes from direct to reverse acting with a change in main line pressure (for automatic changeover systems).

☐ LP916C: Reverse acting.

Maximum Safe Air Pressure:

25 psi (175 kPa).

Maximum Safe Temperature:

Duct-mounted models, 190F (88C); all others, 135F (57C).

Dimensions:

 $5 \times 2-3/4 \times 3$ inches deep

Mounting:

Integral Mounting Bracket Model: Typically mounted inside a unit end compartment. May also be duct mounted using mounting bracket AK3993.

Mounting Kit Model: May be mounted from the top directly or with mounting bracket assemblies 316016A, B, or C.

Air Connections:

Two 1/4 in. (6 mm) push-on barbs. A convenient plug-in branchline pressure gage port is provided on the front.

Fittings:

Integral Mounting Bracket Model: Hangers, mounting screws and tinnerman clips are included with the device.

Mounting Kit Model: Ordered separately.

Accessories:

For Integral Mounting Bracket Model: AK3993 Duct Mounting Bracket with sheet metal screws and foam gasket.

For Mounting Kit Model: Bag Assemblies 316016A and B with scale plate, mounting bracket, bulb hangers, and mounting screws. Bag Assembly 316016C with scale plate, knob and mounting screws.

Table 1. LP916 Specifications.

| Model | Setpoint Range F (C) | Scale/Marks | Throttling Range F (C) | Restriction Size In. | Mounting Bracket | Bulb Size In. (mm) | Nominal MLP psi (kPa) |
|--------|-------------------------|-------------------|---------------------------|-------------------------|---------------------|------------------------|--------------------------|
| LP916A | 65-85 (18-29) | WARMER-COOLER/2F | 3.5 (2) | 0.007 | Integral | 1/2 x 5-7/8 (13 x 149) | 18 (125) |
| | 65-85 (18-29) | WARMER-COOLER/2F | 3.5(2) | 0.005 | Not Included | 3/8 x 9-5/8 (10 x 244) | 18 (125) |
| | 65-85 (18-29) | WARMER-COOLER/2F | 3.5(2) | 0.005 | Integral | 3/8 x 9-5/8 (10 x 244) | 18 (125) |
| | 40-80 (4-27) | 40-50-60-70-80/2F | 7 (3.5) | 0.007 | Integral | 3/8 x 6-7/8 (10 x 175) | 18 (125) |
| LP916B | 65-85 (18-29) | WARMER-COOLER/2F | 3.5(2) | 0.007 | Integral | 1/2 x 5-7/8 (13 x 149) | 13-18 (90-125) |
| | 65-85 (18-29) | WARMER-COOLER/2F | *2(1) | 0.007 | Integral | 1/2 x 5-7/8 (13 x 149) | 9-18 (60-125) |
| | 65-85 (18-29) | None | 3.5 (2) | 0.005 | Not Included | 3/8 x 9-7/8 (10 x 251) | 13-18 (90-125) |
| | 65-85 (18-29) | WARMER-COOLER/2F | 3.5 (2) | 0.005 | Integral | 3/8 x 9-7/8 (10 x 251) | 13-18 (90-125) |
| | 65-85 (18-29) | WARMER-COOLER/2F | 3.5 (2) | 0.005 | Integral | 3/8 x 9-7/8 (10 x 251) | 13-18 (90-125) |
| LP916C | 60-80 (16-27) | 60-80/1F | 3.5(2) | 0.007 | Integral | 3/8 x 9-7/8 (10 x 251) | 18 (125) |
| | 65-85 (18-29) | WARMER-COOLER/2F | 3.5(2) | 0.007 | Integral | 1/2 x 5-7/8 (13 x 149) | 18 (125) |
| | 65-85 (18-29) | WARMER-COOLER/2F | 3.5(2) | 0.005 | Integral | 3/8 x 9-7/8 (10 x 251) | 18 (125) |
| | 40-80 (4-27) | 40-50-60-70-80/2F | 7 (3.5) | 0.007 | Integral | 3/8 x 6-7/8 (10 x 175) | 18 (125) |

^{*}Throttling range for 3 to 9 psi (21 to 60 kPa) branchline pressure.

Honeywell

77-9805 Commercial Bldg Group MLF TAB: II. C. 2. b. In the USA: Honeywell Plaza, Minneapolis, Minnesota 55408 In Canada: Scarborough, Ontario MIP 2V9 Subsidiaries and Affiliates Around the World

Rev. 6-85

Printed in USA