

LP916 Pneumatic Thermostat



Two-pipe, single temperature, unit mounted, remote bulb pneumatic thermostat used to provide proportional control of pneumatic valves and damper actuators in heating and air conditioning systems.

- Liquid filled remote bulb.
- Direct Acting (DA), Reverse Acting (RA) and Heating/Cooling (DA/RA) models are available.

Application Type: Unit Ventilator

Dimensions, Approximate: 4 3/4 in. high x 3 3/4 in. wide x 3 in. deep (121 mm high x 95 mm wide x 76 mm deep)

Airflow Usage: 0.022 scfm (10.4 mL/s) with 0.007 in. restriction

Air Connections: Barb fittings 1/4 in. (6 mm)

Number of Pipes: 2

Mounting: In compartment of a unit ventilator

Operating Temperature: 135 F maximum (57 C maximum)

Storage Temperature: 150 F maximum (66 C maximum)

Setpoint: Single

Remote Bulb: Yes

Maximum Operating Pressure: 25 psi (170 kPa)

Accessories:

107324A-Capillary Holder Assembly for duct insertion, 8 3/8 in. long

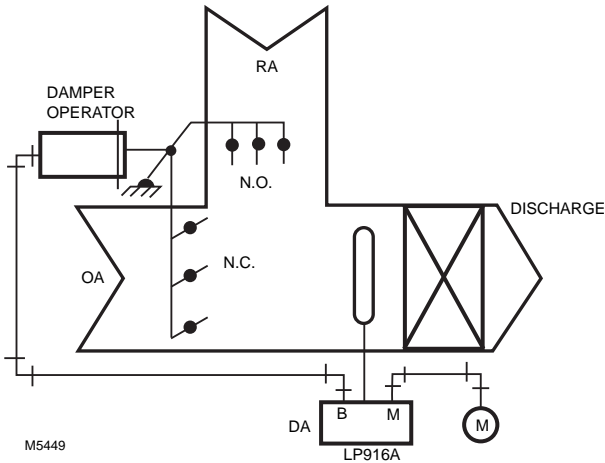
Replacement Parts:

14003113-002-Repair kit containing 0.007 in. restrictor plate, filters, and gaskets

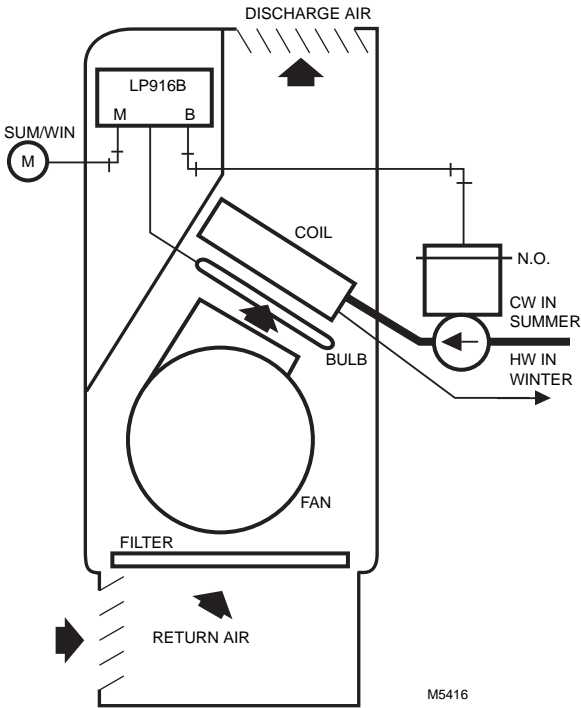
Product Number	Action	Setpoint Temperature Range		Changeover		Throttling Range		Scale Markings	Includes	Comments	Sensor Element
		(F)	(C)	(psi)	(kPa)	(F)	(C)				
LP916A1019/U	Direct Acting	65 F to 85 F	19 C to 30 C	—	—	3.5 F	2 C	Warmer / Cooler	Integral Mounting Bracket and 304528A Bag Assembly (mounting hardware). Order bu b hangers (316297-00021) separately.	—	Bu b 1/2 x 5 7/8 in., capillary 36 in. (914 mm) long
LP916A1134/U	Direct Acting	65 F to 85 F	19 C to 30 C	—	—	3.5 F	2 C	Warmer / Cooler	Integral Mounting Bracket, (2) 316297-00021 Bulb Hangers and 304528A Bag Assembly (mounting hardware).	—	Bu b 3/8 x 7 in., capillary 36 in. (914 mm) long
LP916A1175/U	Direct Acting	40 F to 80 F	4 C to 26 C	—	—	7 F	ñ13 C	40 F to 80 F		—	Bu b 3/8 x 7 in., capillary 36 in. (914 mm) long
LP916B1017/U	Direct Acting Heating, Reverse Acting Cooling	65 F to 85 F	19 C to 30 C	Heat 18 psi, Cool 13 psi	Heat 124 kPa, Cool 90 kPa	3.5 F	2 C	Warmer / Cooler	Integral Mounting Bracket and 304528A Bag Assembly (mounting hardware). Order bu b hangers (316297-00021) separately.	—	Bu b 1/2 x 5 7/8 in., capillary 36 in. (914 mm) long
LP916B1058/U	Direct Acting Heating, Reverse Acting Cooling	65 F to 85 F	19 C to 30 C	Heat 18 psi, Cool 9 psi	Heat 124 kPa, Cool 62 kPa	3.5 F	2 C	Warmer / Cooler		—	Bu b 1/2 x 5 7/8 in., capillary 36 in. (914 mm) long
LP916B1074/U	Direct Acting Heating, Reverse Acting Cooling	65 F to 85 F	19 C to 30 C	Heat 18 psi, Cool 13 psi	Heat 124 kPa, Cool 90 kPa	3.5 F	2 C	Warmer / Cooler	Order Mounting Bracket, Knob, Bulb Hangers, and Scale Plate separately.	—	Bu b 3/8 x 7 in., capillary 36 in. (914 mm) long
LP916B1082/U	Direct Acting Heating, Reverse Acting Cooling	65 F to 85 F	19 C to 30 C	Heat 18 psi, Cool 13 psi	Heat 124 kPa, Cool 90 kPa	3.5 F	2 C	Warmer / Cooler	Integral Mounting Bracket, (2) 316297-00021 Bulb Hangers and 304528A Bag Assembly (mounting hardware).	New installation model	Bu b 3/8 x 7 in., capillary 36 in. (914 mm) long
LP916B1090/U	Direct Acting Heating, Reverse Acting Cooling	65 F to 85 F	19 C to 30 C	Heat 18 psi, Cool 13 psi	Heat 124 kPa, Cool 90 kPa	3.5 F	2 C	Warmer / Cooler		—	Bu b 3/8 x 9 in., capillary 36 in. (914 mm) long
LP916C1023/U	Reverse Acting	60 F to 80 F	15 C to 26 C	—	—	3.5 F	2 C	60 F to 80 F		—	Bu b 3/8 x 9 in., capillary 36 in. (914 mm) long

Pneumatic Thermostats

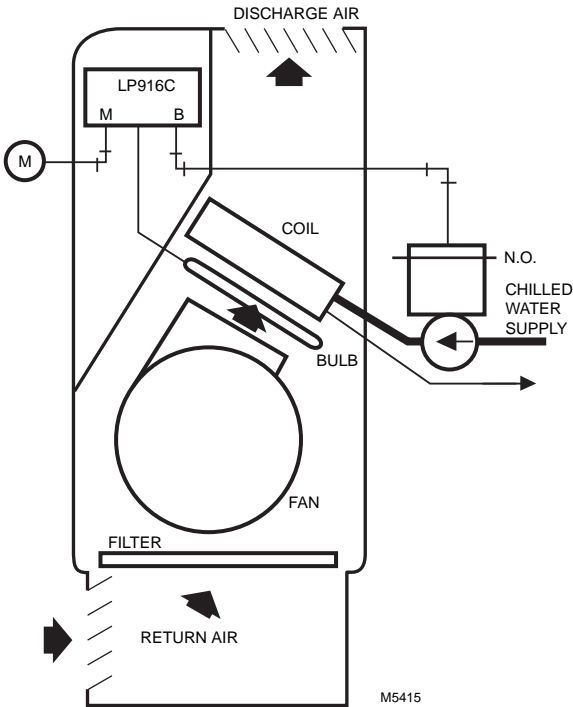
Typical LP916A Mixed Air Application



Typical LP916B Fan Coil Application, Heating/Cooling with Seasonal Changeover



Typical LP916C Fan Coil Application, Cooling Only



Typical LP916A Duct Mounted Heating Application

