

Pneumatic Temperature Sensors

LP914 Pneumatic Temperature Sensor



One-pipe, direct-acting temperature sensor used with RP908/ RP920 Controllers to provide proportional control of pneumatic valve or damper actuators. Rod and tube insertion element for duct, well, or through-the-wall mounting.

- Corrosion resistant.
- Continuous temperature indication available by using receiver gage.

Application Type: Temperature Sensor

Dimensions, Approximate: Body: 2 in. high x 2 1/2 in. wide (Body: 51 mm high x 64 mm wide)

Action: Direct Acting

Airflow Usage: 0.019 scfm (540 sccm)

Connections: Push-on barb for 5/32 in. (4 mm) and 1/4 in. (6 mm) O.D. tubing

Maximum Operating Temperature: 265 F (129 C)

Maximum Operating Pressure: 25 psi (172 kPa)

Output Pressure Range: 3 psi to 15 psi (21 kPa to 103 kPa)

Supply Pressure: 18 psi (124 kPa)

Accessories:

315046A-Well, 1/2 NPT Copper, 15 1/2 in. (392 mm) long

315046B-Well, 1/2 NPT Copper, 7 1/2 in. (191 mm) long

315904A-Well, 1/2 NPT Stainless Steel, 15 7/16 in., 394 mm

315904B-1/2 in. NPT stainless steel Well, 7 5/16 in. (186 mm) long

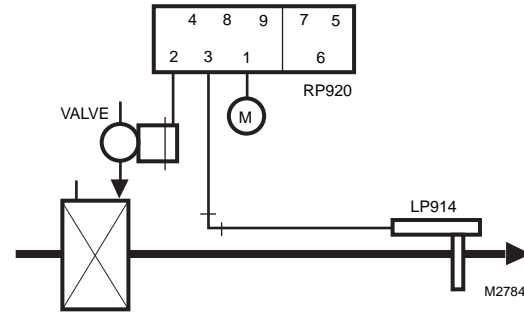
311085/0107-Sunshield for LP914A1011

Replacement Parts:

315602-Inner Filter

14004664-001-0.36 inch diameter Wool felt filter

LP914 Typical Piping Duct-Mounted Applications



Product Number	Number of Pipes	Sensor Element	Element Length		Temperature Sensing Range		Mounting
			sq in.	sq cm	(F)	(C)	
LP914A1003/U	1	Rod and tube	15 in.	381 mm	-40 F to +160 F	-40 C to +71 C	Duct mount
LP914A1011/U	1	Rod and tube	27 in.	686 mm	-40 F to +160 F	-40 C to +71 C	Wall mount
LP914A1029/U	1	Rod and tube	15 in.	381 mm	40 F to 240 F	5 C to 115 C	Well
LP914A1045/U	1	Rod and tube	7 in.	178 mm	-40 F to +160 F	-40 C to +71 C	Duct mount
LP914A1052/U	1	Rod and tube	7 in.	178 mm	40 F to 240 F	5 C to 115 C	Well
LP914A1060/U	1	Rod and tube	7 in.	178 mm	-40 F to +160 F	-40 C to +71 C	Well
LP914A1144/U	1	Rod and tube	15 in.	381 mm	25 F to 125 F	-4 C to +52 C	Duct mount
LP914A1268/U	1	Rod and tube	15 in.	381 mm	40 F to 240 F	5 C to 115 C	Duct or Well mount