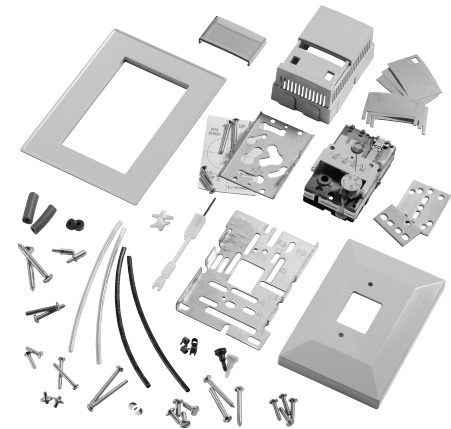


## **RETROLINE®** Powerstar Retrostat Pneumatic Room Thermostats

### **RETROLINE®**

easily replaces:

- Barber-Colman (Siebe)
- Johnson Controls
- Honeywell
- Robertshaw (Siebe)



192/194 Dual Setpoint Pneumatic Room Thermostat Kit.

### **Description**

The Powerstar Retroline Retrostat Pneumatic Room Thermostat converts most existing pneumatic room thermostats to a Powerstar 192/194 direct or reverse acting, 2-pipe, single or dual setpoint unit.

Day/Night or Heat/Cool Retrostat is factory calibrated to match the appropriate changeover pressure of the competitive thermostat.

### **Features**

- Complete kit including Retrostat cover kit with exposed or concealed setpoint adjustment
- Setpoint dials available in Fahrenheit or Celsius scales
- Factory calibrated for accuracy
- All installation hardware and calibration wrench provided.
- Fits into large format wall openings, using included "goof plate."
- Integral, field adjustable limit stops
- Test port for fast check of output pressure without removing the cover
- Field replaceable thermometer, setpoint dial(s), restrictor(s), and filter(s)

### **Options**

- Quick-connect air connections for ease of installation and service
- Large, 1/2" setpoint knob for convalescent homes

### **Applications**

Retroline Retrostat kits are available for most 2-pipe applications in direct and reverse acting models, including:

- Single Temperature
- Day/Night
- Heat/Cool

Refer to the Powerstar products to select the appropriate application.

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# 192/194 Pneumatic Room Thermostats Specifications

Single Setpoint			
Description	Thermometer & Setpoint Scales	Control Action	
		Direct	Reverse
Single Temperature	°F	192-840	192-841
	°C	192-850	192-851

Kits include covers.

If a different cover is required, refer to the Accessories and Service Kit section.

Dual Setpoint			
Action/Changeover Pressure	Manufacturer	Thermometer & Setpoint Scales	Kit Part No. (Desert Beige)
<b>Day/Night</b>			
<b>Day</b> (DA) 13 psi (90 kPa) / <b>Night</b> (DA) 18 psi (124 kPa)	Honeywell	°F	194-3042
<b>Day</b> (DA) 13 psi (90 kPa) / <b>Night</b> (DA) 18 psi (124 kPa)	Honeywell	°C	194-3142
<b>Day</b> (DA) 15 psi (103 kPa) / <b>Night</b> (DA) 20 psi (138 kPa)	Johnson/B-C	°F	194-3043
<b>Day</b> (DA) 15 psi (103 kPa) / <b>Night</b> (DA) 20 psi (138 kPa)	Johnson/B-C	°C	194-3143
<b>Day</b> (DA) 18 psi (124 kPa) / <b>Night</b> (DA) 25 psi (172 kPa)	Siemens	°F	192-3044
<b>Day</b> (DA) 18 psi (124 kPa) / <b>Night</b> (DA) 25 psi (172 kPa)	Siemens	°C	192-3144
<b>Day</b> (RA) 13 psi (90 kPa) / <b>Night</b> (RA) 18 psi (124 kPa)	Honeywell	°F	194-3052
<b>Day</b> (RA) 15 psi (103 kPa) / <b>Night</b> (RA) 20 psi (138 kPa)	Johnson/B-C	°F	194-3053
<b>Day</b> (RA) 18 psi (124 kPa) / <b>Night</b> (RA) 25 psi (172 kPa)	Siemens	°F	192-3054
<b>Day</b> (RA) 18 psi (124 kPa) / <b>Night</b> (RA) 25 psi (172 kPa)	Siemens	°C	192-3154*
<b>Heat/Cool</b>			
<b>Heat</b> (DA) 18 psi (124 kPa) / <b>Cool</b> (RA) 13 psi (90 kPa)	Honeywell	°F	194-3082
<b>Heat</b> (DA) 20 psi (138 kPa) / <b>Cool</b> (RA) 15 psi (103 kPa)	Johnson/B-C	°F	194-3083*
<b>Heat</b> (DA) 25 psi (172 kPa) / <b>Cool</b> (RA) 18 psi (124 kPa)	Siemens	°F	192-3084*
<b>Heat</b> (DA) 25 psi (172 kPa) / <b>Cool</b> (RA) 18 psi (124 kPa)	Siemens	°C	192-3184

- Note:**
- For detailed specifications on Day/Night, refer to 192 DN or DNV.
  - For detailed specifications on Heat/Cool, refer to 193 HC.
  - The changeover pressures for RobertShaw thermostats are 16 psi Day/25 psi Night.
  - All kits include covers.

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## Retroline Powerstar Retrostat Pneumatic Room Thermostat Product Ordering

Manufacturer Part No.	Manufacturer	Control Action/Temperature Scale	Retroline Part No.	
			Kit	Replace. Chassis
T-4002-201 <sup>1</sup>	Johnson Controls	Single Temperature, Direct Acting	192-840	192-202
T-4002-202 <sup>1</sup>	Johnson Controls	Single Temperature, Reverse Acting	192-841	192-203
T-4002-203	Johnson Controls	Single Temperature, Direct Acting	192-840	192-202
T-4002-204	Johnson Controls	Single Temperature, Reverse Acting	192-841	192-203
T-4506-201 <sup>1</sup>	Johnson Controls	Day (DA) 15 psi (103 kPa) changeover / Night (DA) 20 psi (138 kPa)	194-3043	194-2043
T-4506-202	Johnson Controls	Day (DA) 15 psi (103 kPa) changeover / Night (DA) 20 psi (138 kPa)	194-3043	194-2043
T-4506-203 <sup>1, 2</sup>	Johnson Controls	Day (DA) 15 psi (103 kPa) changeover / Night (DA) 20 psi (138 kPa)	194-3043	194-2043
T-4506-204 <sup>2</sup>	Johnson Controls	Day (DA) 15 psi (103 kPa) changeover / Night (DA) 20 psi (138 kPa)	194-3043	194-2043
T-4506-201 <sup>1</sup>	Johnson Controls	Day (DA) 15 psi (103 kPa) changeover / Night (DA) 20 psi (138 kPa)	194-3043	194-2043
T-4506-202	Johnson Controls	Day (DA) 15 psi (103 kPa) changeover / Night (DA) 20 psi (138 kPa)	194-3043	194-2043
T-4506-203 <sup>1, 2</sup>	Johnson Controls	Day (DA) 15 psi (103 kPa) changeover / Night (DA) 20 psi (138 kPa)	194-3043	194-2043
T-4506-204 <sup>2</sup>	Johnson Controls	Day (DA) 15 psi (103 kPa) changeover / Night (DA) 20 psi (138 kPa)	194-3043	194-2043
T-4506-209 <sup>1</sup>	Johnson Controls	Day (RA) 15 psi (103 kPa) changeover / Night (RA) 20 psi (138 kPa)	194-3053	194-2053
T-4506-217 <sup>1, 2</sup>	Johnson Controls	Day (RA) 15 psi (103 kPa) changeover / Night (RA) 20 psi (138 kPa)	194-3053	194-2053
T-4756-205 <sup>1</sup>	Johnson Controls	Heat (DA) 20 psi (138 kPa) changeover / Cool (RA) 15 psi (103 kPa)	194-3083	194-2083
T-4756-206	Johnson Controls	Heat (DA) 20 psi (138 kPa) changeover / Cool (RA) 15 psi (103 kPa)	194-3083	194-2083
TP970A1002	Honeywell	Single Temperature, Direct Acting	192-840	192-202
TP970A1012	Honeywell	Single Temperature, Direct Acting	192-840	192-202
TP970A1035	Honeywell	Single Temperature, Direct Acting	192-840	192-202
TP970A1038	Honeywell	Single Temperature, Direct Acting	192-840	192-202
TP970A1053	Honeywell	Single Temperature, Direct Acting	192-840	192-202
TP970A1061	Honeywell	Single Temperature, Direct Acting	192-840	192-202
TP970A2004	Honeywell	Single Temperature, Direct Acting	192-840	192-202
TP970A1002	Honeywell	Single Temperature, Reverse Acting	192-841	192-203
TP970B1028	Honeywell	Single Temperature, Reverse Acting	192-841	192-203
TP970B1036	Honeywell	Single Temperature, Reverse Acting	192-841	192-203
TP970B1044	Honeywell	Single Temperature, Reverse Acting	192-841	192-203
TP971A1003	Honeywell	Day (DA) 13 psi (90 kPa) changeover / Night (DA) 18 psi (124 kPa)	194-3042	194-2042
TP971A1029	Honeywell	Day (DA) 13 psi (90 kPa) changeover / Night (DA) 18 psi (124 kPa)	194-3042	194-2042
TP971A1037	Honeywell	Day (DA) 13 psi (90 kPa) changeover / Night (DA) 18 psi (124 kPa)	194-3042	194-2042
TP971A1045	Honeywell	Day (DA) 13 psi (90 kPa) changeover / Night (DA) 18 psi (124 kPa)	194-3042	194-2042
TP971A1086	Honeywell	Day (DA) 13 psi (90 kPa) changeover / Night (DA) 18 psi (124 kPa)	194-3042	194-2042
TP971B1001	Honeywell	Day (RA) 13 psi (90 kPa) changeover / Night (RA) 18 psi (124 kPa)	194-3052	194-2052
TP971B1004	Honeywell	Day (RA) 13 psi (90 kPa) changeover / Night (RA) 18 psi (124 kPa)	194-3052	194-2052
TP972A1002	Honeywell	Heat (DA) 18 psi (124 kPa) changeover / Cool (RA) 13 psi (90 kPa)	194-3082	194-2082
TP972A1028	Honeywell	Heat (DA) 18 psi (124 kPa) changeover / Cool (RA) 13 psi (90 kPa)	194-3082	194-2082
TP972A1036	Honeywell	Heat (DA) 18 psi (124 kPa) changeover / Cool (RA) 13 psi (90 kPa)	194-3082	194-2082
TP972A1101	Honeywell	Heat (DA) 18 psi (124 kPa) changeover / Cool (RA) 13 psi (90 kPa)	194-3082	194-2082

### Ordering Notes

1. Suggested Retrofit Kit converts horizontal thermostat to vertical position.
2. Suggested Retrofit Kit has an additional manual changeover switch, not provided on the original.

## Retroline Powerstar Retrostat Pneumatic Room Thermostat Product Ordering

Manufacturer Part No.	Manufacturer	Control Action/Temperature Scale	Retroline Part No.	
			Kit	Replace. Chassis
TK-18	Barber-Colman	Single Temperature, Direct Acting	192-840	192-202
TK-19	Barber-Colman	Single Temperature, Reverse Acting	192-841	192-203
TK-19-1	Barber-Colman	Single Temperature, Reverse Acting	192-841	192-203
TK-19-19	Barber-Colman	Single Temperature, Reverse Acting	192-841	192-203
TK-1001	Barber-Colman	Single Temperature, Direct Acting	192-840	192-202
TK-1101	Barber-Colman	Single Temperature, Reverse Acting	192-841	192-203
TK-1001-116	Barber-Colman	Single Temperature, Direct Acting	192-850	192-222
TK-1002	Barber-Colman	Single Temperature, Direct Acting	192-840	192-202
TK-1002	Barber-Colman	Single Temperature, Reverse Acting	192-841	192-203
TK-5001-116	Barber-Colman	Single Temperature, Direct Acting	192-850	192-222
TKR-18	Barber-Colman	Single Temperature, Direct Acting	192-840	192-202
TKR-18-91	Barber-Colman	Single Temperature, Direct Acting	192-840	192-202
TKR-19	Barber-Colman	Single Temperature, Reverse Acting	192-841	192-203
TKR-1001	Barber-Colman	Single Temperature, Direct Acting	192-840	192-202
TKR-1101	Barber-Colman	Single Temperature, Reverse Acting	192-841	192-203
2212-118	Robertshaw	Single Temperature, Direct Acting	192-840	192-202
2212-119	Robertshaw	Single Temperature, Reverse Acting	192-841	192-203
2212-128	Robertshaw	Single Temperature, Direct Acting	192-840	192-202
2212-129	Robertshaw	Single Temperature, Reverse Acting	192-841	192-203
2212-418	Robertshaw	Single Temperature, Direct Acting	192-840	192-202
2212-419	Robertshaw	Single Temperature, Reverse Acting	192-841	192-203
2212-518	Robertshaw	Single Temperature, Direct Acting	192-840	192-202
2212-519	Robertshaw	Single Temperature, Reverse Acting	192-841	192-203
T15-101	Robertshaw	Single Temperature, Direct Acting	192-840	192-202
T18-101	Robertshaw	Single Temperature, Direct Acting	192-840	192-202
T18-201	Robertshaw	Single Temperature, Direct Acting	192-840	192-202
T18-301	Robertshaw	Single Temperature, Direct Acting	192-840	192-202
T18-3011	Robertshaw	Single Temperature, Direct Acting	192-840	192-202
192-202	Powers	Single Temperature, Direct Acting	192-840	192-202
192-203	Powers	Single Temperature, Reverse Acting	192-841	192-203
192-204	Powers	Day (DA) 18 psi (124 kPa)/Night (DA) 25 psi (172 kPa) changeover	192-3044	192-204
192-205	Powers	Day (RA) 18 psi (124 kPa)/Night (RA) 25 psi (172 kPa) changeover	192-3054	192-205
192-208	Powers	Heat (DA) 25 psi (172 kPa)/Cool (RA) 18 psi (124 kPa) changeover	192-3084	192-208
192-222	Powers	Single Temperature, Direct Acting	192-850	192-222
192-223	Powers	Single Temperature, Reverse Acting	192-851	192-223
192-224	Powers	Day (DA) 18 psi (124 kPa) changeover/Night (DA) 25 psi (172 kPa)	192-3144	192-224
192-225	Powers	Day (RA) 18 psi (124 kPa) changeover/Night (RA) 25 psi (172 kPa)	192-3154	192-225
192-228	Powers	Heat (DA) 25 psi (172 kPa) changeover/Cool (RA) 18 psi (124 kPa)	192-3184	192-228

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