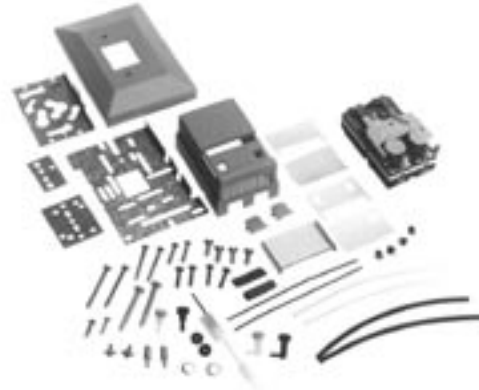


Powerstar **RETROLINE**[®] Retrostat Pneumatic Room Thermostats

RETROLINE[®] easily replaces:

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



192 Dual Set point Pneumatic Room Thermostat Kit.

Description

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

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

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.

features

- Complete kit including Retrostat cover kit with exposed or concealed set point adjustment
- Set point 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 "goof plate," which is included.
- Integral, field adjustable limit stops
- Test port for fast check of output pressure without removing the cover
- Field replaceable thermometer, set point dial(s), restrictor(s), and filter(s)

Options

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

Specifications/Product Ordering

	Description	Thermometer & Set Point Scales	Control Action			
			Direct	Reverse		
Single Set Point	Single Temperature	°F	192-840	192-841		
	Single Temperature	°C	192-850	192-851		
<i>Kits include covers. If a different cover is required, refer to the Accessories and Service Kit section.</i>						
Dual Set Point	Action/Changeover Pressure		Manufacturer	Thermometer & Set Point Scales	Kit Part No.	Day/Night
	Day (DA) 13 psi (90 kPa)/Night (DA) 18 psi (124 kPa)		Honeywell	°F	194-3042	
	Day (DA) 13 psi (90 kPa)/Night (DA) 18 psi (124 kPa)		Honeywell	°C	194-3142	
	Day (DA) 15 psi (103 kPa)/Night (DA) 20 psi (138 kPa)		Johnson/B-C	°F	194-3043	
	Day (DA) 15 psi (103 kPa)/Night (DA) 20 psi (138 kPa)		Johnson/B-C	°C	194-3143	
	Day (DA) 18 psi (124 kPa)/Night (DA) 25 psi (172 kPa)		Siemens	°F	192-3044	
	Day (DA) 18 psi (124 kPa)/Night (DA) 25 psi (172 kPa)		Siemens	°C	192-3144	
	Day (RA) 13 psi (90 kPa)/Night (RA) 18 psi (124 kPa)		Honeywell	°F	194-3052	
	Day (RA) 15 psi (103 kPa)/Night (RA) 20 psi (138 kPa)		Johnson/B-C	°F	194-3053	
	Day (RA) 18 psi (124 kPa)/Night (RA) 25 psi (172 kPa)		Siemens	°F	192-3054	
	Day (RA) 18 psi (124 kPa)/Night (RA) 25 psi (172 kPa)		Siemens	°C	192-3154	
	Heat (DA) 18 psi (124 kPa)/Cool (RA) 13 psi (90 kPa)		Honeywell	°F	194-3082	Heat/Cool
	Heat (DA) 20 psi (138 kPa)/Cool (RA) 15 psi (103 kPa)		Johnson/B-C	°F	194-3083	
	Heat (DA) 25 psi (172 kPa)/Cool (RA) 18 psi (124 kPa)		Siemens	°F	192-3084	
Heat (DA) 25 psi (172 kPa)/Cool (RA) 18 psi (124 kPa)		Siemens	°C	192-3184		

Ordering Notes

- 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.

Cover Options	
PLASTIC COLORS	
Code	Color (add suffix to Part No.)
None	Desert Beige (standard)
W	White
K	Chassis with 1/2" (13 mm) diameter set point adjustment knob for convalescent facilities.



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

Johnson Controls

Honeywell

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.

Product Ordering

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