

WHITE RODGERS Disc Thermostats

White
Rodgers™



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DISC THERMOSTATS, LIMIT CONTROLS AND FAN CONTROLS

Features:

1/2" Snap Action Disc Thermostats:

- Loose ring, stainless mounting brackets
- 1/4" quick connect termination
- Automatic reset
- Enclosed disc
- Aluminum disc cup

Snap Disc Fan Controls:

- Designed for quick on-job replacement
- Mounting holes match standard 3/4" snap discs

Adjustable Snap Disc Fan and Limit Controls:

- 1/4" quick connect terminals are standard
- Reduces inventory while providing coverage for a wide range of temperature applications
- Replaces the majority of fixed disc thermostats now on heating equipment and various appliances

Advantages:

- Proven reliability in a compact, versatile, cost-effective design
- High speed contact separation provides long contact life
- Statistical process control of manufacturing assures high product quality levels
- Controls are 100% operation checked
- UL/CSA certified

Limit Controls:

- Proven reliability in a compact, versatile, cost-effective design
- Provides high-speed contact separation

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	White Rodgers Part No.	Fig.	Open	Closes	Function	Price Each			
						1	10	50	100
1/2" Snap Action Disc Thermostat, Operating Specifications									
802-STO-60	3L11-60	A	60 ±5°F	40 ±6°F	Open on Rise	4.70	4.57	4.46	4.20
802-STO-85	3L11-85	A	85 ±5°F	70 ±6°F	Open on Rise	5.53	5.38	5.25	4.94
802-STC-100	3F11-100	A	70 ±5°F	100 ±7°F	Close on Rise	4.70	4.57	4.46	4.20
802-STO-110	3L11-110	A	110 ±5°F	80 ±7°F	Open on Rise	4.90	4.55	4.11	3.98
802-STC-120	3F11-120	A	90 ±8°F	120 ±7°F	Close on Rise	4.66	4.41	4.32	4.20
802-STO-120	3L11-120	A	120 ±5°F	90 ±8°F	Open on Rise	4.70	4.57	4.46	4.20
802-STC-140	3F11-140	A	110 ±5°F	140 ±7°F	Close on Rise	5.92	5.51	5.15	4.96
802-STO-140	3L11-140	A	140 ±7°F	110 ±8°F	Open on Rise	4.70	4.57	4.46	4.20
802-STO-150	3L11-150	A	150 ±5°F	120 ±8°F	Open on Rise	4.90	4.55	4.11	3.98
802-STO-160	3L11-160	A	160 ±5°F	130 ±8°F	Open on Rise	6.82	6.59	6.46	6.28
802-STO-170	3L11-170	A	170 ±5°F	140 ±8°F	Open on Rise	4.70	4.57	4.46	4.20
802-STC-170	3F11-170	A	140 ±5°F	170 ±8°F	Close on Rise	5.92	5.51	5.15	4.96
802-STO-175	3L11-175	A	175 ±5°F	160 ±6°F	Open on Rise	5.63	5.23	4.72	4.57
802-STO-180	3L11-180	A	180 ±5°F	150 ±8°F	Open on Rise	4.90	4.55	4.11	3.98
802-STC180	3F11-180	A	150 ±5°F	180 ±8°F	Close on Rise	4.90	4.55	4.11	3.98
802-STO-190	3L11-190	A	190 ±5°F	160 ±8°F	Open on Rise	4.70	4.57	4.46	4.20
802-STO-210	3L11-210	A	210 ±5°F	180 ±8°F	Open on Rise	6.81	6.33	5.92	5.70
802-STO-220	3L11-220	A	220 ±6°F	190 ±8°F	Open on Rise	4.90	4.55	4.11	3.98
802-STC225	3F11-225	A	195 ±5°F	225 ±8°F	Close on Rise	4.90	4.55	4.11	3.98
802-STO-230	3L11-230	A	230 ±6°F	200 ±8°F	Open on Rise	5.14	4.78	4.31	4.18
802-STO-250	3L11-250	A	250 ±6°F	220 ±10°F	Open on Rise	5.92	5.51	5.15	4.96
802-STO-325	3L11-325	A	325 ±10°F	275 ±15°F	Open on Rise	5.92	5.51	5.15	4.96
3/4" Snap Disc Limit Controls									
802-3L01-120	3L01-120	B	120 ±5°F	110 ±5°F	Open on Rise	8.94	8.32	7.78	7.49
802-3L01-130	3L01-130	B	130 ±5°F	115 ±5°F	Open on Rise	8.60	8.00	7.48	7.20
802-3L01-140	3L01-140	B	140 ±5°F	100 ±7°F	Open on Rise	7.50	7.15	6.43	6.08
802-3L01-150	3L01-150	B	150 ±5°F	110 ±7°F	Open on Rise	7.50	7.15	6.43	6.08
802-3L01-165	3L01-165	B	165 ±5°F	125 ±10°F	Open on Rise	9.10	8.50	7.90	7.50
802-3L01-170	3L01-170	B	170 ±5°F	130 ±7°F	Open on Rise	8.94	8.32	7.78	7.49
802-3L01-180	3L01-180	B	180 ±5°F	140 ±7°F	Open on Rise	7.50	7.15	6.43	6.08
802-3L01-190	3L01-190	B	190 ±5°F	150 ±7°F	Open on Rise	7.50	7.15	6.43	6.08
802-3L01-200	3L01-200	B	200 ±5°F	160 ±7°F	Open on Rise	8.60	8.00	7.48	7.20
802-3L01-230	3L01-230	B	230 ±6°F	190 ±8°F	Open on Rise	7.50	7.15	6.43	6.08
802-3L01-250	3L01-250	B	250 ±6°F	210 ±8°F	Open on Rise	8.94	8.32	7.78	7.49
802-3L01-300	3L01-300	B	300 ±7°F	250 ±10°F	Open on Rise	7.50	7.15	6.43	6.08
802-3L01-350	3L01-350	B	350 ±10°F	310 ±15°F	Open on Rise	7.50	7.15	6.43	6.08
3/4" Limit Controls - Manual Reset									
802-3L02-160	3L02-160	C	160 ±5°F	Manual Reset	Open on Rise	12.40	11.30	10.80	10.00
802-3L02-170	3L02-170	C	170 ±5°F	Manual Reset	Open on Rise	14.67	13.65	12.76	12.28
802-3L02-180	3L02-180	C	180 ±5°F	Manual Reset	Open on Rise	12.40	11.30	10.80	10.00
802-3L02-190	3L02-190	C	190 ±5°F	Manual Reset	Open on Rise	12.40	11.30	10.80	10.00
802-3L02-200	3L02-200	C	200 ±5°F	Manual Reset	Open on Rise	12.40	11.30	10.80	10.00
3/4" Snap Disc Fan Controls									
802-3F01-110	3F01-110	D	90 ±5°F	110 ±5°F	Close on Rise	7.50	7.15	6.43	6.08
802-3F01-120	3F01-120	D	110 ±5°F	120 ±5°F	Close on Rise	7.50	7.15	6.43	6.08
802-3F01-130	3F01-130	D	115 ±5°F	130 ±5°F	Close on Rise	7.50	7.15	6.43	6.08
802-3F01-140	3F01-140	D	120 ±6°F	140 ±5°F	Close on Rise	7.50	7.15	6.43	6.08
802-3F01-150	3F01-150	D	130 ±6°F	150 ±5°F	Close on Rise	8.60	8.00	7.48	7.20
802-3F01-160	3F01-160	D	140 ±6°F	160 ±5°F	Close on Rise	9.10	8.50	7.90	7.50
802-3F01-180	3F01-180	D	160 ±5°F	180 ±5°F	Close on Rise	9.10	8.50	7.90	7.50
802-3F01-200	3F01-200	D	180 ±5°F	200 ±5°F	Close on Rise	7.50	7.15	6.43	6.08
802-3F01-350	3F01-350	D	320 ±8°F	350 ±12°F	Close on Rise	8.94	8.32	7.78	7.49

3/4" ADJUSTABLE SNAP DISC FAN AND LIMIT CONTROLS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	White Rodgers Part No.	Fig.	Temperature Range	Differential	Function	Price Each			
						1	10	50	100
802-3F05-2	3F05-2	E	140 to 180°F	20°F	Close on Rise	19.00	18.55	17.42	16.90
802-3L05-10	3L05-10	E	135 to 175°F	20°F	Open on Rise	22.34	20.79	19.44	18.71
802-3L05-13	3L05-13	E	250 to 290°F	40°F	Open on Rise	19.71	18.63	17.14	16.06

3/4" SPDT CONTROLS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	White Rodgers Part No.	Fig.	Terminal 1 & 3		Terminal 1 & 2		Function	Price Each			
			Open on Rise		Close on Rise			1	10	25	100
			Opens	Opens	Opens	Closes					
802-3L03-140	3L03-140	F	140 ±5°F	120 ±5°F	120 ±5°F	140 ±5°F	SPDT	9.58	8.92	8.34	8.03
802-3L03-190	3L03-190	G	190 ±5°F	170 ±5°F	170 ±5°F	190 ±5°F	SPDT	13.18	12.26	11.47	11.04

DIMENSIONS: in.

Power Transformers White Rodgers

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