

General Purpose Fan Relays - Standard Duty

ALLTEMP



25-90290
Illustrated

Features

- Designed for switching single or two speed fan motor, relays, solenoids, resistive loads in cooling, heating or general purpose switching applications.
- Replace WR/ Essex/ RBM & Mars type 84 models
- Totally enclosed compact design.
- Quiet & reliable operations.
- UL & cUR (file E44211)
- SPST & SPDT models.
- Universal mounting bracket.

Specifications

- Temperature Range: -20°C (-4°F) to 40°C (104°F).
- Mechanical Life: 1,000,000 operations.
- Electrical Life: 100,000 operations (@ 16amp 240VAC Res.)
- Operate Time (typical): 25 ms at nominal coil voltage.
- Release Time (typical): 25 ms at nominal coil voltage.
- Dielectric Strength (at sea level for 1 min.):
 - 2500 Vrms coil to contact.
 - 1000 Vrms between open contacts.
- Coil Frequency: 50/60 Hz.
- Coil Insulation: Class A (105°C / 221°F).
- Coil Duty Cycle: Continuous.
- Terminals: 1/4" quick-connects.
- Contact Material: Silver cerium
- Enclosure: Phenolic.

2-Pole HVAC Standard Duty Relays

Coil Data

Coil Voltage	Part # SPST	Part # SPDT	Weight
24	25-90290	25-90293	75g (2.65oz.) (Approx.)
120	25-90291	25-90294	
240	25-90292	25-90295	

Coil Voltage	Coil Resistance DC OHMS ±10%	Nominal Current MA	Nominal VA Sealed	Inrush VA
24	90	146	3.5	4
120	2,000	29		
240	7,200	15		

Contact Rating - 125/250 VAC

FLA	LRA	Inductive Amps	Resistive Amps
8	18	8 Amp Continuous	16 Amp Continuous

Totally Enclosed Fan Relays - Heavy Duty

ALLTEMP



25-90380
Illustrated

Features

- Designed for cooling, heating or general purpose switching equipment operating heavier loads.
- Replace WR/ Essex/ RBM & Mars type 184 models
- Totally enclosed compact design.
- Quiet & reliable operations.
- Universal mounting bracket
- UL & cUR (file E44211)
- SPST, SPDT & SPNO/SPNC models.

Specifications

- Temperature Range: -20°C (-4°F) to 40°C (104°F).
- Mechanical Life: 1,000,000 operations.
- Electrical Life: 100,000 operations (@ 25amp 277VAC Res.)
- Operate Time (typical): 25 ms at nominal coil voltage.
- Release Time (typical): 25 ms at nominal coil voltage.
- Dielectric Strength (at sea level for 1 min.):
 - 2500 Vrms coil to contact.
 - 1000 Vrms between open contacts.
- Coil Frequency: 50/60 Hz.
- Coil Insulation: Class A (105°C / 221°F).
- Coil Duty Cycle: Continuous.
- Terminals: 1/4" quick-connects.
- Contact Material: Silver cadmium oxide.
- Enclosure: Phenolic.

Heavy Duty Relays

Coil Voltage	SPST Part #	SPDT Part #	SPNO-SPNC* Part #	Weight
24	25-90360	25-90370	25-90380	85g (2.99 oz.) (Approx.)
120	25-90362	25-90372	25-90382	
240	25-90364	25-90374	25-90384	

*Isolated Contacts

Coil Data

Coil Voltage	Coil Resistance DC OHMS ±10%	Coil data Nominal Current MA	Coil Data Nominal VA Sealed	Inrush VA
24	77	167	4	4
120	2,000	33		
240	7,200	17		

Contact Rating

VAC	Amps	FLA	LRA	Inductive Amps	Resistive Amps
125VAC	25	14	84	14 Amp Continuous	25 Amp Continuous @ 277 VAC
250VAC		8	48	8 Amp Continuous	
277VAC		7	42	7 Amp Continuous	

Start Capacitors



Start Capacitors

110/125 Volt Round			MFD	165 Volt Round			220/250 Volt Round			330 Volt Round		
Part #	Dia.	Height		Part #	Dia.	Height	Part #	Dia.	Height	Part #	Dia.	Height
35-21A125	1.44"	2.75"	21-25				35-21A250	1.44"	2.75"	35-21B330	1.44"	3.38"
35-25A125	1.44"	2.75"	25-30				35-25A250	1.44"	2.75"	35-25B330	1.44"	3.38"
35-30A125	1.44"	2.75"	30-36				35-30A250	1.44"	2.75"	35-30D330	1.81"	3.38"
35-36A125	1.44"	2.75"	36-43				35-36B250	1.44"	3.38"	35-36D330	1.81"	3.38"
35-43A125	1.44"	2.75"	43-56				35-43B250	1.44"	3.38"	35-43D330	1.81"	3.38"
			43-56				35-43F250	2.06"	3.38"			
			47-56				35-47B250	1.44"	3.38"			
35-53A125	1.44"	2.75"	53-64				35-53A250	1.44"	2.75"	35-53D330	1.81"	3.38"
			53-64				35-53B250	1.44"	3.38"			
			56-72				35-56A250	1.44"	2.75"	35-56D330	1.81"	3.38"
			56-72				35-56B250	1.44"	3.38"			
			59-71				35-59F250	2.06"	3.38"			
35-64A125	1.44"	2.75"	64-77				35-64A250	1.44"	2.75"			
			64-77				35-64D250	1.81"	3.38"	35-64D330	1.81"	3.38"
35-72A125	1.44"	2.75"	72-88	35-72A165	1.44"	2.75"	35-72D250	1.81"	3.38"	35-72E330	1.81"	4.38"
35-88A125	1.44"	2.75"	88-108	35-88A165	1.44"	2.75"	35-88D250	1.81"	3.38"	35-88F330	2.06"	3.38"
			108-130	35-108B165	1.44"	3.38"	35-108D250	1.81"	3.38"	35-108D330	1.81"	3.38"
35-108A125	1.44"	2.75"	108-130							35-108G330	2.06"	4.38"
35-124A125	1.44"	2.75"	124-149	35-124B165	1.44"	3.38"	35-124D250	1.81"	3.38"	35-124G330	2.06"	4.38"
35-130A125	1.44"	2.75"	130-156	35-130B165	1.44"	3.38"	35-130D250	1.81"	3.38"	35-130G330	2.06"	4.38"
35-135A125	1.44"	2.75"	135-162							35-135H330	2.56"	4.38"
35-145A125	1.44"	2.75"	145-174	35-145B165	1.44"	3.38"	35-145F250	2.06"	3.38"	35-145H330	2.56"	4.38"
35-161A125	1.44"	2.75"	161-193	35-161D165	1.81"	3.38"	35-161D250	1.81"	3.38"	35-161H330	2.56"	4.38"
			161-193				35-161E250	1.81"	4.38"			
			161-193				35-161F250	2.06"	3.38"			
35-189A125	1.44"	2.75"	189-227	35-189D165	1.81"	3.38"	35-189G250	2.06"	4.38"	35-189G330	2.06"	4.38"
			189-227							35-189H330	2.56"	4.38"
35-200A125	1.44"	2.75"	200-240									
35-216A125	1.44"	2.75"	216-259	35-216D165	1.81"	3.38"	35-216F250	2.06"	3.38"	35-216H330	2.56"	4.38"
			216-259				35-216G250	2.06"	4.38"			
35-233A125	1.44"	2.75"	233-280	35-233D165	1.81"	3.38"	35-233G250	2.06"	4.38"			
35-243A125	1.44"	2.75"	243-292	35-243D165	1.81"	3.38"	35-243G250	2.06"	4.38"			
35-243B125	1.44"	3.38"	243-292									
35-250A125	1.44"	2.75"	250-300									
35-250F125	2.06"	3.38"	250-300									
35-270A125	1.44"	2.75"	270-324	35-270D165	1.81"	3.38"	35-270G250	2.06"	4.38"			
35-270B125	1.44"	3.38"	270-324									
35-295A125	1.44"	2.75"	295-354									
35-300A125	1.44"	2.75"	300-360									
35-300D125	1.81"	3.38"	300-360									
			320-384				35-320H250	2.56"	4.38"			
35-324A125	1.44"	2.75"	324-388									
35-324D125	1.81"	3.38"	324-388									
35-340D125	1.81"	3.38"	340-408	35-340E165	1.81"	4.38"	35-340G250	2.06"	4.38"			
35-378D125	1.81"	3.38"	378-440	35-378E165	1.81"	4.38"	35-378H250	2.56"	4.38"			
35-400B125	1.44"	3.38"	400-480	35-400E165	1.81"	4.38"	35-400H250	2.56"	4.38"			
35-400D125	1.81"	3.38"	400-480									



Continued Next Page