

General Purpose Fan Relays - Standard Duty

ALTEMP



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

ALTEMP



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	