



RELAYS

Resideo offers a complete range of relays for all your residential HVAC applications that are sure to win the race.

All relays products are designed to exceed safety and industry life cycle standards. In order to meet these criteria, a statistically significant sample of relays are tested to failure and to our stringent qualification requirements. This testing methodology enables Resideo to verify that relays will exceed industry standards.



Relays

Multiple Configurations For Various Applications

GENERAL PURPOSE AND HEAVY-DUTY SWITCHING RELAYS – R4222, R8222, R4228 and R8228 for use in refrigeration and air-conditioning equipment, appliances and vending machines.

TIME DELAY RELAY – ST82 combines the R8222 or R8228 relay for use in compressor-run air conditioning and heat pump systems; this product features an electronic timer that delays blower shut off after the compressor has shut off.

FULLY ENCLOSED LINE AND LOW-VOLTAGE FAN RELAYS – R4225 and R8225 for control of line voltage fan motors and auxiliary circuits.

ELECTRIC HEATING RELAY FOR USE IN RESISTIVE ELECTRIC HEATING APPLIANCES –

- R841 for use with two-wire thermostats to control baseboard, ceiling cable and duct heaters.
- R8330 can switch a fan and up to three elements on and off in sequence.
- R8229 electric heat relay is normally closed for load control systems. These relays require power to shed load.
- R8246 electric heat contactor for controlling up to two heating elements per contact.
- RC840 for use with two or three-wire thermostats. Also features a LED that confirms at-a-glance that the relay is ON.
- RT850 solid state relay for baseboard, convectors, radiant ceilings and duct heaters provides better temperature control when used with fast cycling low voltage thermostats.



RELAYS								
Input Voltage/ Coil Voltage	Switching	Product Number	Full Load Amp Rating	Frequency	Dimensions (in.) H x W x D	Electrical Connections (Main)	Special Features	
24 Vac	DPST N.O.	R8228D1018	5.5	A	1 7/8 x 2 5/32 x 2 3/8	Q	Pilot Duty	
	DPDT (1 P & 1 P Duty)	R8222V1003						
	DPDT – Pilot Duty	R8222N1011						
	DPDT	R8222D1014	12		2 7/32 x 2 1/16 x 2 9/16		Q	80 sec shut off delay
	DPDT	ST82D1004						
	SPDT	R8222B1067						
21 Vac	DPDT – Pilot Duty	R4222N1002	12	A	1 7/8 x 2 5/32 x 2 3/8	Q		
DPDT	R4222D1013							
SPDT	R4222B1082							
208/240 Vac	DPDT	R4222D1021	12	A	1 7/8 x 2 5/32 x 2 3/8	Q		
24 Vac	SPDT	R8225A1017	14	B	2 11/16 x 2 1/2 x 3 7/16	L		
24 Vac	DPST N. O.	R8225D1003						
120 Vac	SPDT, 1 N.O., 1 N.C.	R4225A1008	14	B	2 11/16 x 2 1/2 x 3 7/16	L		
24 Vac	SPDT	R8228B1012	18	A	1 7/8 x 2 5/32 x 2 3/8	Q		
ELECTRIC HEAT RELAYS								
24 Vac	DPST N.O.	R8229A1005	7	B	2 3/16 x 2 3/32 x 2 1/4	Q	Extra mounting hardware 18 A resistive @ 120/208/240 Vac; Requires transformer; Canada – replaces R841D1028	
	DPDT (1 P & 1 P Duty)	R8229A1021						
	SPST	R841D1036	14	A	3 7/8 x 2 13/16 x 1 1/2	L		
208/240 Vac	SPST	R841C1169	14	A	3 7/8 x 2 13/16 x 1 1/2	L	18 A resistive @ 120/208/240 Vac; Requires transformer; Canada – replaces R841D1028	
240 Vac	SPST	R841E1068	14	A	3 7/8 x 2 13/16 x 1 1/2	L	22 A resistive @ 120/208/240 Vac; Dual load/integral transformer	
347 Vac	SPST	R841C1144	14	A	3 7/8 x 2 13/16 x 1 1/2	L	18 A resistive @ 120/208/240 Vac; Integral transformer; Canada	
600 Vac	SPST	R841C1151	14	A	3 7/8 x 2 13/16 x 1 1/2	L	18 A resistive @ 120/208/240 Vac; Integral transformer; Canada	
ELECTRIC FURNACE SEQUENCER								
24 Vac		R8330D1039	7.2	B	3 1/16 x 4 13/16 x 2 11/32	T		
ELECTRIC HEAT CONTACTOR								
24 Vac	DPST	R8246A1038	30	B	2 3/16 x 2 1/4 x 3 5/16	Q, S		
AUBE ELECTRIC HEAT RELAYS (CANADA ONLY)								
24 Vac	SPST	RC840	16 @ 120 Vac 13 @ 208 Vac 12 @ 240 Vac	B	2 45/64 x 3 11/32 x 1 27/64	L	22 A Resistive @ 120/208/240 Vac 19 A Resistive @ 277 Vac 18 A Resistive @ 347 Vac Requires transformer	
	SPST	RC840T-240	13 @ 208 Vac 12 @ 240 Vac				22 A Resistive @ 208/240 Vac: Integrated transformer	
	SPST	RC840T-347	N/A				18 A Resistive @ 347 Vac: Integrated transformer	
24 Vac	SPST (Solid State Relay)	RT850					23 A Resistive @ 120/208/277/347 Vac Guaranteed OFF signal: 5 Vac, 2 Vdc	
24 Vac, 4-32Vdc	SPST (Solid State Relay)	RT850T-240	N/A	B	4 13/64 x 4 11/64 x 1 57/64	L	23 A Resistive @ 208/240 Vac: Integrated transformer Guaranteed OFF signal: 5 Vac	
24 Vac	SPST (Solid State Relay)	RT850T-347					23 A @ 347 Vac: Integrated transformer Guaranteed OFF signal: 5 Vac	

Frequency: A – 60 Hz/50 Hz; B – 60 Hz, C – 50 Hz
 Approvals: UL, CSA
 Temp Rating: -20° F to +150° F; 115° F max for R8225
 Connectors: CHS – Combination Head Screw, L – Leadwires, Q – Quick connect, T – Terminals

SPST: Single Pole Single Throw
 DPST: Double Pole Single Throw
 DPDT: Double Pole Double Throw
 SPDT: Single Pole Double Throw



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