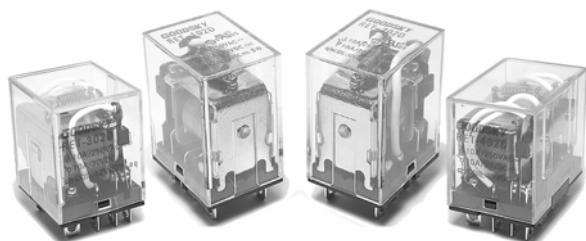


Main Feature

- 1 Pole to 4 Poles versions are available with switching current at 15 Amps (1 Pole) and 10 Amps (2-4 Poles).
- Printed Circuit Board Terminal, Solder Lug Terminal and Flanged Case are designed for direct panel mounting use.
- Low coil power consumption with high response time.
- High reliability and long life with better vibration and shock resistance.
- 1/3 Horse power on RET 2 Poles series are certified by UL.
- Touch Button and LED version are available for customer's selection.



Application

Vending Machine, Cooking Appliances, Office Machine, Domestic Appliances, Control Equipment, etc.



Contact Rating

- Nominal Load (Resistive Load $\cos \phi = 1$)
Contact Capacity
 - 1 P 15A at 250VAC.
15A at 30VDC.
 - 2P, 3P, 4P 10A at 250VAC.
10A at 30VDC.
- Rated Carrying Current
 - 1 P 15 Amps.
 - 2P, 3P, 4P 10 Amps.
- Max. Allowable Current
 - 1 P 15 Amps.
 - 2P, 3P, 4P 10 Amps.
- Max. Allowable Voltage AC 250V, DC 110V.
- Max. Allowable Power Force
 - 1 P 1700VA, 360W.
 - 2P, 3P, 4P 1100VA, 240W.
- Min. Switching Load DC 10V, 10mA.
- Contact Material Ag Alloy
- Contact Form SPDT, DPDT, ,
..... 3PDT, 4PDT

Performance (at Initial Value)

- Contact Resistance 100 m Ω Max. @1A, 6VDC
- Operate Time 25 mSec. Max.
- Release Time 25 mSec. Max.
- Dielectric Strength :
 - Between Coil & Contact 1,500VAC at 50/60 Hz
for one minute.
 - Between Contacts 1,000VAC at 50/60 Hz
for one minute.

- Surge Resistance 3,000V (between Coil & Contact 1.2x50 μ Sec.)
- Insulation Resistance 100 Mega Ω Min. at 500VDC.
- Max. On/Off Switching :
 - Electrical 240 Ops per Minute.
 - Mechanical 30 Ops per Minute.
- Temperature Range -25 ~ 55 $^{\circ}$ C
- Humidity Range 45 ~ 85% RH.
- Coil Temperature Rise 60 $^{\circ}$ C Max.
- Vibration :
 - Endurance 10 to 55 Hz dual
amplitude width 1.5mm.
 - Error Operation 10 to 55 Hz dual
amplitude width 1.5mm.
- Shock :
 - Endurance 1,000 m/S 2 Min.
 - Error Operation 100 m/S 2 Min.
- Life Expectancy :
 - Mechanical 10 7 Operations at No
Load condition.
 - Electrical 10 5 Operations at Rated
Resistive Load.
- Weight 1-2P : About 35 g.
3P : About 53.2 g.
4P : About 66.5 g.

Safety Standard & Its File Number

- C-UL (1-Pole & 2-Pole) E141060.

Coil Specification (at 20°C)

Coil Sensitivity	Coil Voltage Code	Nominal Voltage (VDC)	Nominal Current (mA)		Coil Resistance ($\Omega \pm 10\%$)	Power Consumption		Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Max.Allowable Voltage (VDC)
			50 Hz	60 Hz		50Hz	60Hz			
RET 1-P & 2-P AC Coil	01	6	282.7	214.3	10	1.7VA	1.29VA	80% Maximum	30% Minimum	110%
	02	12	106.2	94.9	40	1.27VA	1.14VA			
	03	24	52.8	45.5	160	1.27VA	1.09VA			
	04	48	23.7	20.0	600	1.1VA	0.96VA			
	05	110	12.5	10.3	3,400	1.37VA	1.13VA			
	06	120	16.8	14.3	3,400	2.01VA	1.72VA			
	07	220	6.2	5.1	13,600	1.36VA	1.12VA			
	08	240	7.2	5.9	13,600	1.74VA	1.41VA			
	09	230	7.0	5.7	13,600	1.61VA	1.31VA			
RET 3-P AC Coil	01	6	310	270	6.7	Abt. 1.6 to 2.0VA (60 Hz)	80% Maximum	30% Minimum	110%	
	02	12	159	134	24					
	03	24	80	67	100					
	04	48	38	33	410					
	05	110	16	13.7	2,300					
	06	120	15.4	13.2	2,300					
	07/08	220/240	10	8.5	8,650					
RET 4-P AC Coil	01	6	386	330	5	Abt. 1.95 to 2.5 VA (60 Hz)	80% Maximum	30% Minimum	110%	
	02	12	199	170	20					
	03	24	93.6	80	78					
	04	48	46.8	40	350					
	05	110	25.5	21.8	1,600					
	06	120	24.5	21	1,600					
	07/08	220/240	13.1	11.2	6,700					
RET 1-P & 2-P DC Coil	01	6	150		40	Abt. 0.9 W	80% Maximum	10% Minimum	110%	
	02	12	75		160					
	03	24	36.9		650					
	04	48	18.5		2,600					
	05	110	10		11,000					
	06	120	10		11,000					
	10	60	15		4,000					
RET 3-P DC Coil	01	6	234	25.7		Abt. 1.4 W	80% Maximum	10% Minimum	110%	
	02	12	112	107						
	03	24	58.6	410						
	04	48	28.2	1,700						
	05	110	13	8,500						
	06	120	14.1	8,500						
RET 4-P DC Coil	01	6	240	25		Abt. 1.5 W	80% Maximum	10% Minimum	110%	
	02	12	120	100						
	03	24	69	350						
	04	48	30	1,600						
	05	110	15.9	6,900						
	06	120	17.4	6,900						