Features

- 2 x 2 Industry Standard Package
- 19–288 Volts AC or DC Operation
- 2 to 600 Seconds Timing Range
- ±2% Repeat Accuracy
- .250" Quick Connect Terminals
- Encapsulated Construction

RLY210

External Resistor Adjustable, AC or DC, Delay on Operate, Solid State, Universal Cube Timer.

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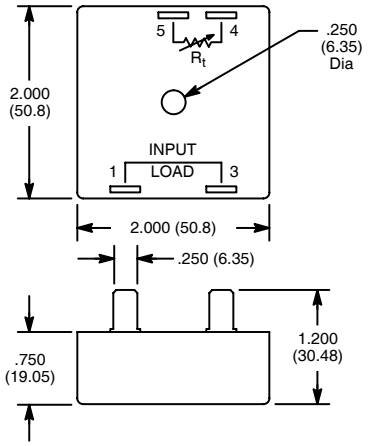
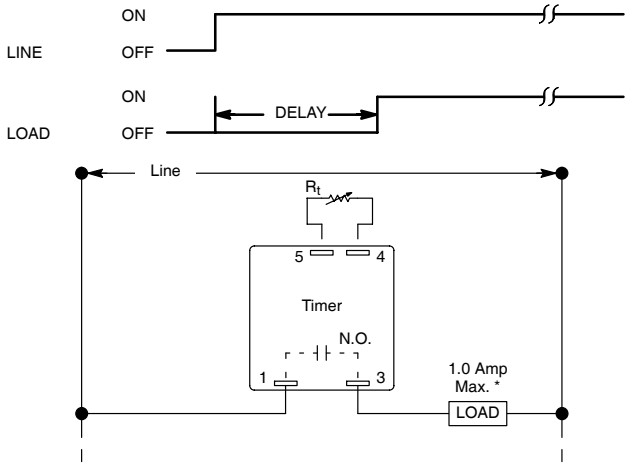


OPERATION

DELAY ON OPERATE– The delay period begins when input voltage is applied. At the end of the delay period, the relay will operate and will not release until input voltage is removed. Reset occurs when input voltage is reapplied.



* For higher current applications connect a switching relay in series with timer in place of load.

Ratings and Specifications

Operating Voltage Range (Line): 19–288 V DC or AC (50/60Hz)
Switch Configuration: Solid State, SPST
Switching Current (Load): 40mA Amp min., 1 Amp max.
Timing Adjustment Range: 2 to 600 seconds
External Timing Resistance (Approx. 6.5kΩ/Sec.): See Tables
Repeat Accuracy: ±2%
Expected Life (Electrical): 100,000,000 operations @ rated load
Operating Temperature: –20° to +65°C
Storage Temperature: –40° to +85°C
Dielectric Breakdown Voltage Between All Elements: $1500V_{rms}$
Transient Protection: 1500 V for 150µs
Mounting: One #8 or #10 Screw

Potentiometer Timing

Potentiometer Value (Ohms)	Approx. Timing Range (Sec.)
50K	2 to 10
100K	2 to 18
250K	2 to 40
500K	2 to 70

Potentiometer Value (Ohms)	Approx. Timing Range (Sec.)
1.0M	2 to 150
2.5M	2 to 300
5.0M	2 to 600

Fixed Resistor Timing

Resistor Value (Ohms)	Approx. Time * (Sec.)	Resistor Value (Ohms)	Approx. Time * (Sec.)	Resistor Value (Ohms)	Approx. Time * (Sec.)
1K	2	150K	24	820K	125
6.2K	3	160K	26	910K	140
13K	4	180K	30	1.0M	150
20K	5	200K	32	1.1M	170
27K	6	220K	35	1.2M	180
33K	7	240K	38	1.3M	190
39K	8	270K	42	1.5M	230
47K	9	300K	47	1.6M	245
56K	10	330K	50	1.8M	255
62K	11	360K	56	2.0M	300
68K	12	390K	60	2.2M	350
75K	13	430K	70	2.4M	380
82K	14	470K	72	2.7M	415
91K	16	510K	80	3.0M	465
100K	17	560K	86	3.3M	510
110K	18	620K	95	3.6M	555
120K	20	680K	105	3.9M	600
130K	22	750K	115		

* Approximate – Actual time value will depend on tolerance of resistor.