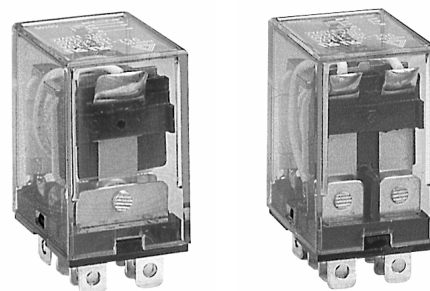


951(1C 2C) Series Relay

FEATURES

- UL safety approval.
- 1 Pole and 2 Pole types are available with switching current of 16A (1Pole) and 10A (2 Pole).
- PCB terminal and Socket terminal are selectable, and for direct panel mount, flange case type is available.
- Nominal power DC 900mW & AC 1.2VA.
- Operating power DC 510mW.
- Either with or without lamp is optional for AC& DC coil.
- Low coil power consumption with high response time.



UL FILE NO: E162117

ORDERING INFORMATION

$\frac{951}{1} - \frac{1C}{2} - \frac{12}{3} \frac{D}{4} \frac{P}{5} \frac{M}{6} \frac{L}{7} - \frac{F}{8}$	
1.Model Number	5.Terminal Type Nil = Socket Terminal P = P.C.B. Terminal
2.Contact Arrangement 1A = 1 Form A (SPST-NO) 1B = 1 Form B (SPST-NC) 1C = 1 Form C (SPDT) 2C = 2 Form C (DPDT)	6.Cover Type Nil = General Type M = Flange Top Type S = Special Type E = Special Flange Top Type
3.Coil Voltage DC: 6~100V AC: 12~270V	7.Optional Nil = General Type L = With Lamp and Diode (DC Coil Type Only) N = With Lamp B = With Push Button T = With Lamp and Push Button K = With Lamp and Diode and Push Button (DC Coil Type Only)
4.Coil Type D: DC A: AC	8.Type of Insulation Nil = Class B F = Class F

COIL RATINGS (at 20°C)

COIL TYPE	Coil Nominal Voltage (V)	Coil Resistance ($\Omega \pm 10\%$)	Pick-Up Voltage (V) $\leq$	Drop-Out Voltage (V) $\geq$	Nominal Current (mA)
DC Standard Coils	6	40	4.5	0.6	150
	12	160	9	1.2	75
	24	650	18	2.4	37
	48	2600	36	4.8	19
	100	11000	75	10	9
AC	12	46	9	3.6	
	24	180	18	7.2	
	110	3750	82.5	33	
	120	4430	90	36	
	220	12950	165	66	
	240	18790	180	72	
	270	24150	202.5	81	

* Max Continuous Voltage at 20°C: 130% of Coil Nominal Voltage.

CONTACT RATINGS

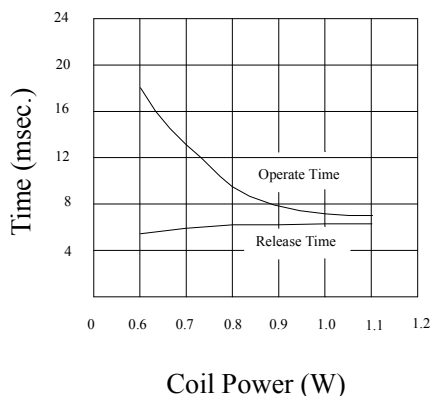
Contact Arrangement	1 Form A (SPST-NO)	1 Form B (SPST-NC)	1 Form C (SPDT)	2 Form C (DPDT)
Max. Switching Power	5000VA 480W	4000VA 480W	4000VA 480W	2500VA 300W
Max. Switching Voltage	250VAC 30VDC	250VAC 30VDC	250VAC 30VDC	250VAC 30VDC
Max. Switching Current	20A	16A	16A	10A
Contact Resistance	$\leq 100\text{m}\Omega$	$\leq 100\text{m}\Omega$	$\leq 100\text{m}\Omega$	$\leq 100\text{m}\Omega$
Rating Load	20A/250VAC 16A/30VDC	16A/250VAC 16A/30VDC	16A/250VAC 16A/30VDC	10A/250VAC 10A/30VDC
Contact Material	Ag-CdO	Ag-CdO	Ag-CdO	Ag-CdO

CHARACTERISTICS

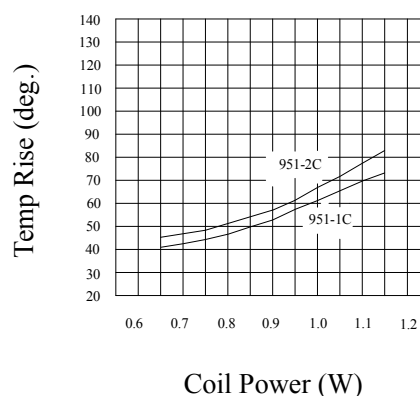
Electrical Life	1×10^5
Mechanical Life	1×10^7
Initial Insulation Resistance	Min. 100M Ω 500VDC
Contact Resistance (Initial)	$\leq 100\text{m}\Omega$
Operate Time	$\leq 25\text{ms}$
Release Time	$\leq 25\text{ms}$
Initial Dielectric Strength	50/60Hz 500VAC 1 min. (between open contacts) 50/60Hz 1500VAC 1 min. (between contacts and coil) 50/60Hz 1500VAC 1 min. (between contact sets)
Vibration Resistance	Malfunction: 10 to 55Hz at Double Amplitude of 1.5mm Destructive: 10 to 55Hz at Double Amplitude of 1.5mm
Shock Resistance	Malfunction: 10G (11ms) / Destructive: 100G (6ms)
Ambient Temperature	$-25^\circ\text{C} \sim +55^\circ\text{C}$
Relative Humidity	85% at 40°C
Unit Weight	Approx. 35g

951(1C、2C) Referential Data

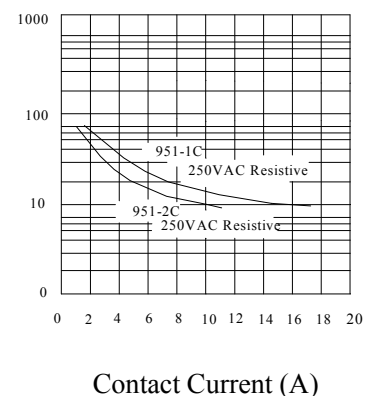
Timing



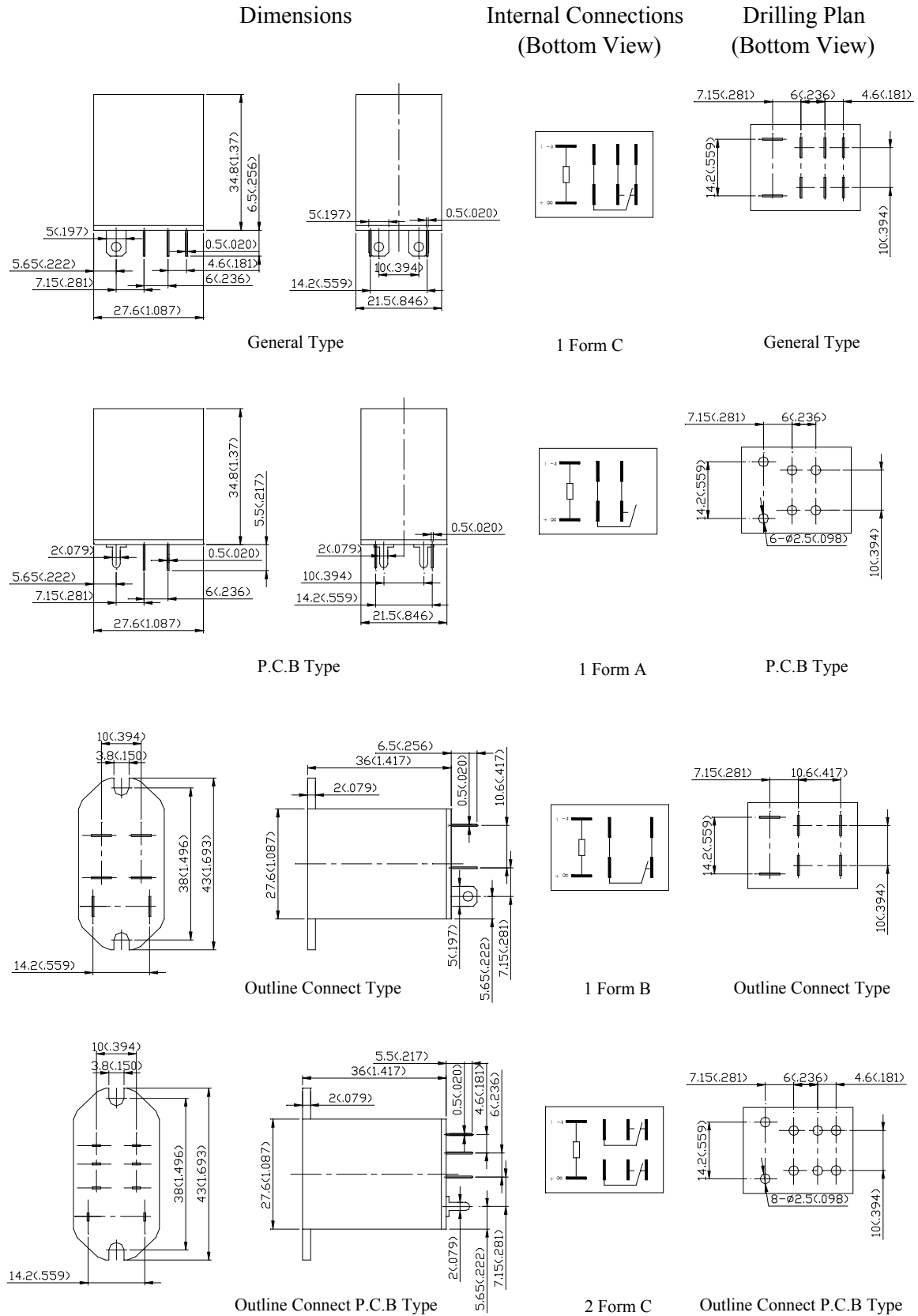
Coil Temperature Rise



Life Curves



OUTLINE DIMENSIONS



REMARK: 1. Tolerance of outline dimensions: $\pm 0.2(0.008)$.

2. The polarity of coil is only applied for DL, DN, DPL and DPN type.

UNIT: mm (inch)