

UL CONTACT LOAD RATINGS TABLE

CONTACT MATERIAL	TYPE	LOAD	VOLTAGE
SILVER	3AMP	3 AMP	28 VDC, 120 VAC
		15 AMP	28 VDC, 150 VAC, N. O. ONLY
SILVER ALLOY	5AMP	5 AMP	28 VDC, 120 VAC
		TV-3	120 VAC
		PILOT DUTY	B300 (120/240 VAC)
SILVER ALLOY	10AMP	10 AMP	120/240 VAC
		10AMP	28 VDC
		10AMP	277 VAC
		1/3 HP	120 VAC
			240 VAC, N. O. ONLY
		1/8 HP	277 VAC, N. C. ONLY
		TUNGSTEN	2 AMP, 240W, 120 VAC, N. C. ONLY
			5 AMP, 600W, 120 VAC, N. O. ONLY
		1/4 HP	277 VAC, N. O. ONLY
		BALLAST	1.7 AMP @ 277 VAC
		1/6 HP	120/240 VAC, N. C. ONLY
		15 AMP	28 VDC, 150 VAC, N. O. ONLY
		480 VAC	2 AMP MAX, 240/270 VAC
		PILOT DUTY	B300 (120/240 VAC)
		TV-5	120 VAC, N. O. ONLY
TV-3	120 VAC		

ONLY 1.1 CUBIC INCHES.
VARIETY OF MOUNTING CONFIGURATIONS.
TAPPED MOUNTING HOLES (49R1C4).
TV 5 RATING AVAILABLE.
STANDARD PILOT DUTY 240 VAC. MAGNETIC MOTOR CONTROLLER RATING 1/3 HP AT 120VAC.

MANUFACTURED UNDER ISO 9002 & QS 9000



GENERAL SPECIFICATIONS (@ 25°C)

	UNITS	
COIL		
Pull-in Voltage AC (50/60 Hz):≤	% of nominal	
Pull-in Voltage DC:≤	% of nominal	Not applicable
Dropout Voltage AC (50/60 Hz):≥	% of nominal	80
Dropout Voltage DC:≥	% of nominal	Not applicable
Maximum Voltage:	% of nominal	10
Resistance:	% ±	120
Coil Power AC (60 Hz):	VA	10
Coil Power DC:	W	Not applicable
Duty:		0.4 Continuous
CONTACTS		
Contact Material:		Silver gold clad plated/silver
Contact Rating AC Amperes (AC1):	A	3 / 5 / 10
Contact Rating AC Voltage:	V	120 / 120 / 270
Contact Rating DC Amperes (DC1):	A	3 / 5 / 10
Contact Rating DC Voltage:	V	28 / 28 / 28
Horse Power (AC):	Hp	1/3 @ 120
Pilot Duty (60 Hz):		B300
TIMING		
Operate Time:	ms	10
Release Time:	ms	7
DIELECTRIC STRENGTH		
Coil to Contacts:	V rms	1500
Across Open Contacts:	V rms	500
Pole to Pole:	V rms	1500
Contacts to Frame:	V rms	Not applicable
Insulation Resistance:	megohms minimum @VDC	1000 @ 500

	UNITS	
VIBRATION RESISTANCE		
Functional:	g's	1.65 DA 10-55Hz
SHOCK RESISTANCE		
Functional:	g's	10
TEMPERATURE		
Operating, AC Lower:	°C	Not applicable
Operating, AC Upper:	°C	Not applicable
Operating, DC Lower:	°C	-55
Operating, DC Upper:	°C	+85
Storage, Lower:	°C	-55
Storage, Upper:	°C	+130
LIFE EXPECTANCY		
Electrical @ Rated Load (AC1):	operations	100,000
Mechanical @ no Load :	operations	50,000
MISCELLANEOUS		
Operating Position:		Any
Enclosure Material:		UL 94v-0 plastic epoxy seal
Cover Protection Category:	IP	50
Weight:	grams	42

49 PRINTED CIRCUIT BOARD ENCLOSED RELAY

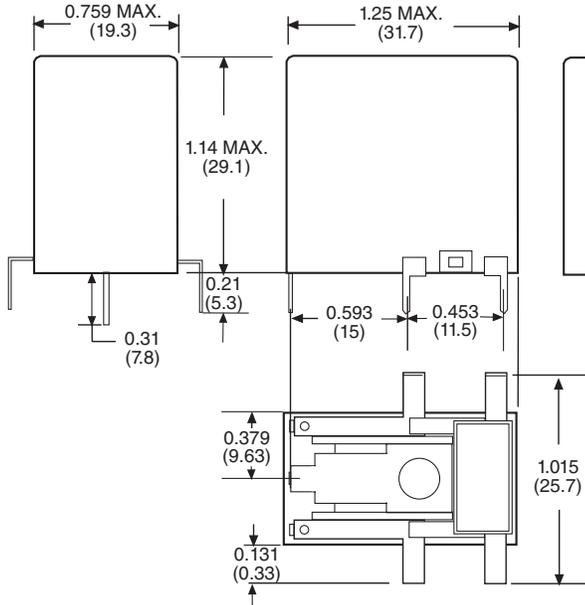


SPDT, 3, 5 & 10 AMPS

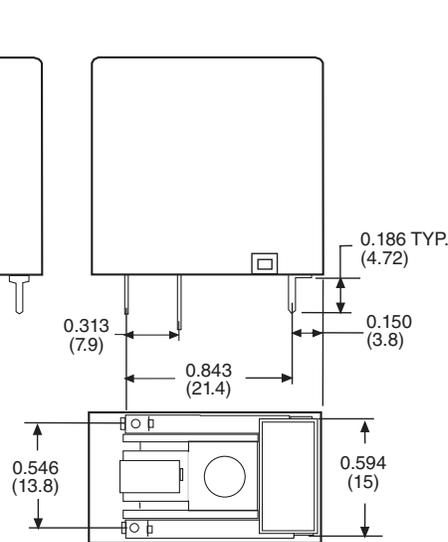
WIRING DIAGRAM (TOP VIEWED)

OUTLINE DIMENSIONS DIMENSIONS SHOWN IN INCHES & (MILLIMETERS).

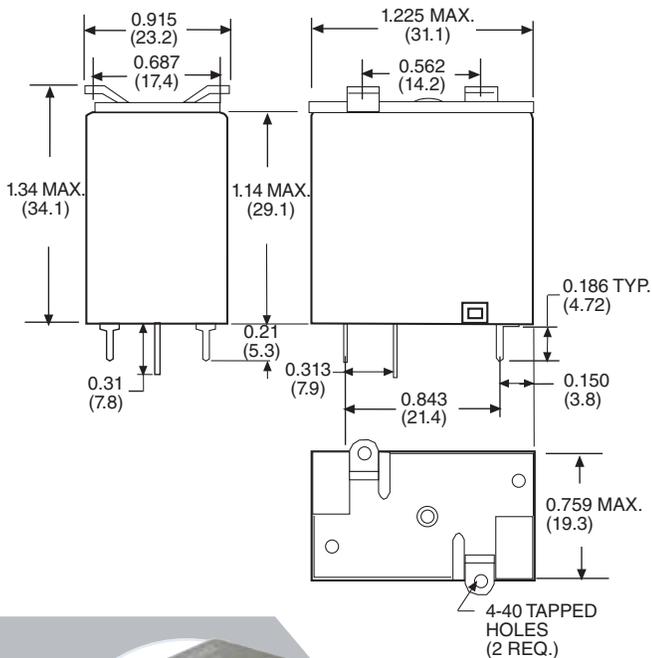
STYLE RE1C2



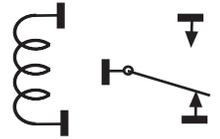
STYLE RE1C1



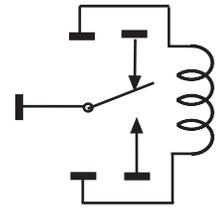
STYLE R1C4



STYLE RE1C1 R1C4



STYLE RE1C2



STANDARD PART NUMBERS	CONTACT CONFIGURATION	COIL MEASURED @ 25 °C	
		NOMINAL INPUT VOLTAGE	NOMINAL RESISTANCE (OHMS)
STYLE RE1C1, 3 AMP			
W49RE1C1VG-3DC-SIL	SPDT	3 VDC	90 Ω
W49RE1C1VG-5DC-SIL	SPDT	5 VDC	235 Ω
W49RE1C1VG-12DC-SIL	SPDT	12 VDC	1350 Ω
W49RE1C2VF-6DC-SIL	SPDT	6 VDC	410 Ω
W49RE1C2VF-12DC-SIL	SPDT	12 VDC	1640 Ω
W49RE1C2VF-24DC-SIL	SPDT	24 VDC	6560 Ω
STYLE RE1C1 AND RE1C2, 5 AMP			
W49RE1C1VG-5DC-SCO	SPDT	5 VDC	235 Ω
W49RE1C1VG-12DC-SCO	SPDT	12 VDC	1350 Ω
W49RE1C1VG-24DC-SCO	SPDT	24 VDC	5400 Ω
W49RE1C2VF-6DC-SCO	SPDT	6 VDC	410 Ω
W49RE1C2VF-12DC-SCO	SPDT	12 VDC	1640 Ω
W49RE1C2VF-24DC-SCO	SPDT	24 VDC	6560 Ω
STYLE RE1C1, 10 AMP			
W49RE1C1VW-5DC-SCO	SPDT	5 VDC	100 Ω
W49RE1C1VW-12DC-SCO	SPDT	12 VDC	600 Ω
W49RE1C1VW-24DC-SCO	SPDT	24 VDC	2400 Ω
SOLDER TERMINALS, BRACKET MOUNTING STYLE RE1C4, 10 AMP			
W49R1C4VG-5DC-SCO	SPDT	5 VDC	235 Ω
W49R1C4VG-12DC-SCO	SPDT	12 VDC	1350 Ω
STYLE RE1C4, 10 AMP			
W49R1C4VW-5DC-SCO	SPDT	5 VDC	100 Ω
W49R1C4VW-24DC-SCO	SPDT	24 VDC	2400 Ω

