



# KR-E series

## Hermetically sealed General Purpose AC or DC relay

E184824

Technical data of approved types on request

### Features

- Hermetically sealed, UL approved for Class 1 Division 2 hazardous locations
- Industry standard 8 & 11 pin Plug-in relay

### Contact Data @ 25°C

**Arrangement:** 2 or 3 Form C (DPDT / 3PDT)

**Expected life:** 10 million operations, mechanical; 100,000 operations min. at rated loads.

**Initial Breakdown Voltage:** 500Vrms, 60Hz between open contacts.  
1500Vrms, 60Hz, between all other elements.

### Contact Ratings

Contact Code	Material	Resistive Ratings	
		Minimum	Maximum
<b>G</b>	Silver-cadmium oxide	500mA @ 12VAC/12VDC	10A @ 120VAC 6A @ 240VAC

### Coil Data @25°C

**Voltage:** from 12V to 110Vdc and 24 to 240 Vac 50/60Hz

**Nom. Power: DC coils** – 1.2 watt at 25°C

**AC coils** – 2.7 VA at 25°C

**Max. Power: DC coils** – 3.0 watts @ 25°C

**Duty Cycle** – Continuous

### Coil data

Nominal voltage	DC Coils		AC Coils	
	Resistance in Ohms ±10% @ 25°C	Nominal coil current (mA)	Resistance in Ohms ±10%	Nominal AC current in mA
12	120	100	-	-
24	470	51	85	84
48	1,800	26.6	-	-
110	10,000	11.5	-	-
120	-	-	1,700	23
125	10,000	12.5	-	-
240	-	-	7,200	11.3

### Operate Data @ 25°C

**Must-Operate Voltage :DC:** 80% of nominal voltage

**AC:** 85% of nominal voltage

**Operate time:** 15 milliseconds typical @ nominal voltage (excluding bounce)

**Release time:** 10 milliseconds typical @ nominal voltage (excluding bounce)

### Environmental Data

**Temperature Range:** -45°C to +55°C operate AC coils

-45°C to +70°C operate DC coils

-45°C to +105°C storage

### Mechanical Data

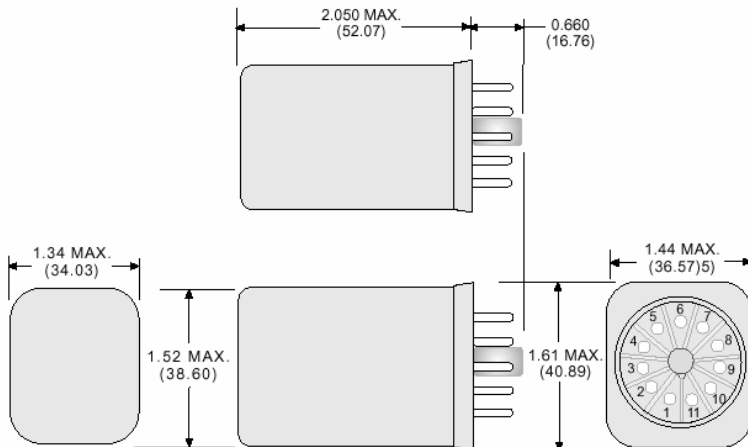
**Mountings:** Octal type plug

**Termination:** Socket terminals

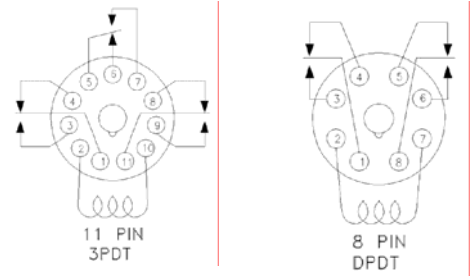
**Enclosure:** Hermetically sealed

**Weight:** 3.0oz. approx. (8g)

### Outline dimensions



### Wiring Diagrams (Bottom view)



### Ordering Information

Typical part No → KR -14 D G E -24

#### Basic Series

#### Contact arrangement

11 = 2 Form C (DPDT)

14 = 3 Form C (3PDT)

#### Operating Coil

A = AC D = DC

#### Contact Material

G = Silver Cadmium Oxide

#### Design

E = Hermetically sealed

#### Coil Voltage

24, 120, 240 VAC

12, 24, 48, 110, 125 VDC

<u>Part Number</u>	<u>Tyco Part number</u>
KR-11AGE-120	1634242-1
KR-11AGE-24	1634242-2
KR-11AGE-240	1634242-3
KR-11DGE-110	1634242-4
KR-11DGE-12	1634242-5
KR-11DGE-125	1634242-6
KR-11DGE-24	1634242-7
KR-11DGE-48	1634242-8
KR-14AGE-24	1-1634242-6
KR-14AGE-120	1634242-9
KR-14AGE-240	1-1634242-0
KR-14DGE-110	1-1634242-1
KR-14DGE-12	1-1634242-2
KR-14DGE-125	1-1634242-3
KR-14DGE-24	1-1634242-4
KR-14DGE-48	1-1634242-5