# 311 Series - Industrial Sequencing DPDT, 5 Amp



File No. ES2197

The 311 Series relays are sequencing (stepper) relays built on the industrial 219 style frame. Hold down clip is integral to the relay base. Double pole contacts transfer on energizing of coil or de-energizing. Dual cam movement allows contacts to operate together or separately. Works equally well with application of continuous voltage to coil or energy saving impulse. No continuous voltage required for memory. Numerous custom switching arrangements are possible over 8 steps per revolution of the cams.

#### **GENERAL SPECIFICATIONS (@ 25° C)**

#### Contacts

Contact Configuration DPDT
Contact Material Silver Alloy
Contact Rating

120 / 240VAC Resistive 5 Amp 28VDC Resistive 5 Amp Contact Resistance, Initial 100 milliohms max @ 6VDC

#### Coil:

Coils Available

Nominal Coil Power

Input Voltage Tolerance - AC

Drop out voltage

Duty

AC or DC up to 300V

4.9VA 1.8W

85% to 110% of nominal

80% to 110% of nominal

10% of nominal

Continuous

#### Timing:

Operate Time (max) 35mS Release Time (max) 35mS

#### Dielectric Strength:

Across Open Contacts 1500Vrms
Between Mutally Insulated Points 1500Vrms
Insulation Resistance 1,000 Megohms min @ 500VDC

#### Temperature:

Operating -20 to 60°C (-4 to 140°F) Storage -40 to 105°C (-40 to 221°F)

#### Life Expectancy:

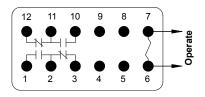
Electrical (full load operations) 100,000 Mechanical (no load operations) 5,000,000

#### Miscellaneous:

Mounting Position
Mating Socket
Enclosure
Weight
Any
27390D
Clear Polycarbonate
7.5oz (190 grams)



## 311 Wire Diagram (Top View)



311XBXP 311XBXPR\* \*Transfer on release



### **Latching / Sequencing Relays**

10 - 100 Amp

#### **Outline Dimensions**

Dimensions Shown in inches & (millimeters)

