

**Struthers-Dunn**

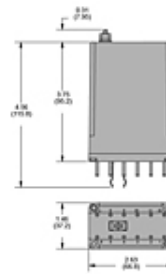
407 East Smith Street - Suite B

Timmonsville, SC 29161 US

**Phone:** (843) 346-4427 • **Fax:** (843) 346-4465**E-Mail:** info@struthers-dunn.com • **Web site:** www.struthers-dunn.com**Item # 236ABXP-020-120VAC, 236TD /237 Series - Time Delay Relays**

Rugged, industrial time delay versions of the popular 219 series. On delay, off delay and interval timing is available. Contacts can be configured up to four pole double throw or six pole single throw. Blow out magnets can be added to increase DC switching capability. Time ranges are adjustable over a 1:100 range. Locking shaft potentiometer and integral hold down clip are standard. A large option list makes this product easily customized for special applications.

Nuclear versions available

**For Additional Configuration please contact the manufacturer.**

· [SPECIFICATIONS](#) · [TIMING](#) · [CONTACTS](#) · [COIL](#) · [DIELECTRIC STRENGTH](#) · [TEMPERATURE](#) · [LIFE EXPECTANCY](#) · [MISCELLANEOUS](#)

**SPECIFICATIONS**

Series	236
Contact Arrangement	ABX (1 N.O. + DPDT)
Mounting Options	Plug-in
Timing Range	0.2 - 20 s
Adjustment Options	Locking shaft potentiometer
Operating Voltage	120 VAC

**TIMING**

Functions Available	On-delay, Off-delay, Interval
Time Range	Up to 7 hours
Timing Adjustment	Locking shaft potentiometer

Timing Repeatability (Constant voltage and temperature)	3%
Reset Time maximum	150
Input Pulse Length minimum	50

## CONTACTS

Contact Configuration	DPDT, DPDT+NO
Contact Material	Silver Alloy Gold Diffused
Contact Rating	10 A
Contact Rating 120 / 240VAC Resistive	10 A / 5 A
Contact Rating 28VDC Resistive	10 A
Minimum Contact Load	500 mW
Contact Resistance, Initial	100 milliohms max at 6VDC, 1A

## COIL

Coils Available	AC and DC
Transient Protection	Yes
Reverse Polarity Protection	Yes
Nominal Coil Power AC	5 VA
Nominal Coil Power DC	2.5 W
Input Voltage Tolerance - AC	85% to 110% of nominal
Input Voltage Tolerance - DC	80% to 110% of nominal
Duty	Continuous

## DIELECTRIC STRENGTH

Across Open Contacts	500 Vrms
Between Mutually Insulated Point	1500 Vrms

Insulation Resistance	1,000 Mohms min at 500VDC
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## TEMPERATURE

Operating	-20 to 70 °C -4 to 158 °F
Storage	-40 to 105 °C -40 to 221 °F

## LIFE EXPECTANCY

Electrical (full load)	100,000
Mechanical (no load)	10,000,000

## MISCELLANEOUS

Mounting Position	Any
Mating Socket	12 pin = 27390D 14 pin = 33377D
Accessories	Hold down clip integral to relay
Enclosure	Clear Polycarbonate
Weight	8.6 oz 244 g