

236TD /237 Series - Time Delay Relay

DPDT, 10 Amp



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****

GENERAL SPECIFICATIONS (@ 25° C)

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	150mS
Input Pulse Length minimum	50mS

Contacts:

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

Coil:

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

Dielectric Strength:

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

Temperature:

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

Life Expectancy:

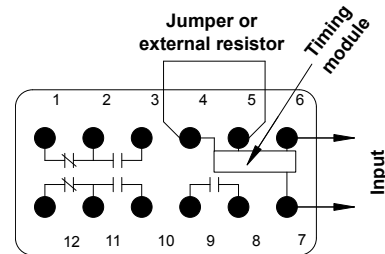
Electrical (full load operations)	100,000
Mechanical (no load operations)	10,000,000

Miscellaneous:

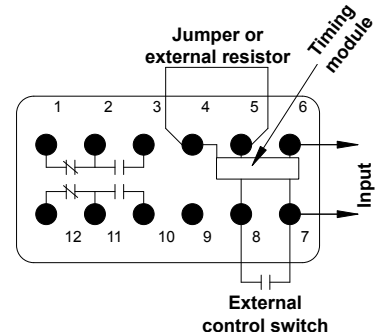
Mounting Position	Any
Mating Socket	12 pin = 27390D, 27390 14 pin = 33377D, 33377
Accessories	Hold down clip integral to relay
Enclosure	Clear Polycarbonate
Weight	8.6oz (244 grams)



236/237 Wire Diagram



236ABX



237XBX

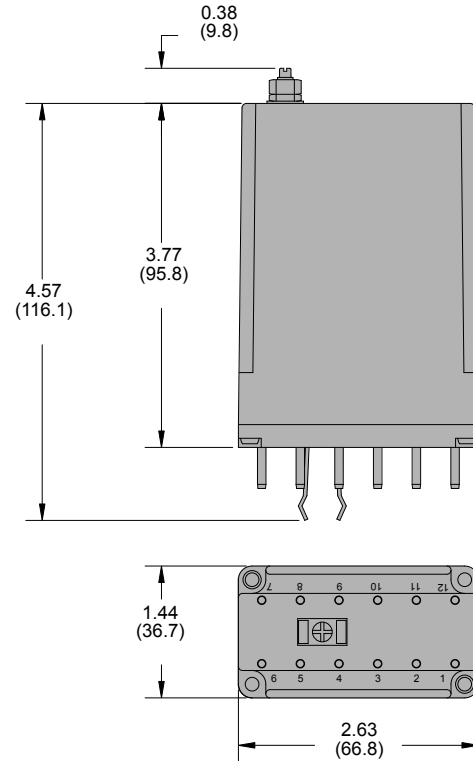


Timer / Sensor - Time Delay & Sensor Relays

5 - 25 Amp

Outline Dimensions

Dimensions Shown in inches & (millimeters)



Section 7

Ordering Code **236** **ABX** **P** **020** **120VAC**

Series

- 236 - On delay
- 237 - Off delay
- 238 - Interval

Contact Arrangement

- ABX (1 N.O. + DPDT)
- XBX (DPDT) - (2 form C)

Construction

- Blowout Magnet - CODE 69
- Bifurcated contacts CODE 33
- Plug-in CODE P

Timing Ranges

- 0.2 - 12 seconds - CODE 012
- 0.2 - 20 seconds - CODE 020
- 2.0 - 200 seconds - CODE 200
- Fixed = No CODE

Adjustment Options

- Locking shaft potentiometer - No CODE
- Fixed delay - CODE F
- (Call for more information)

Operating Voltage

- AC: 24, 120, 240 (Add VAC)
- DC: 12, 24, 115-125 (Add VDC)