246/247 Series - Time Delay Relays Up to 4PDT or 6PST, 10 Amp





LISTED

Rugged, industrial time delay versions of the popular 219 series. 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 capacity. Time ranges are adjustable over a 1:10 range. Knob adjustment and integral hold down clip are standard. A large option list makes this product easily customized for special applications.

GENERAL SPECIFICATIONS (@ 25° C)

Timing:
Functions Available
Time Range
Timing Adjustment
Timing Repeatability
(Constant voltage and temperature)

with socket

Reset Time maximum Input Pulse Length minimum

On-delay, Off-delay Up to 10 minutes Knob 3%

150mS 50mS

Contacts: Contact Configuration Contact Material Contact Rating 120 / 240VAC Resistive 28VDC Resistive Contact Resistance, Initial

Up to 4PDT or 6PST Silver Alloy Gold Diffused

10 Amp / 5 Amp 10 Amp 50 milliohms max @ 6VDC

Coil:

Coils Available Nominal Coil Power
Input Voltage Tolerance - AC
Input Voltage Tolerance - DC
Transient Protection Reverse Polarity Protection Duty

AC and DC 5VA 2.5W 85% to 110% of nominal 80% to 110% of nominal Yes Yes Continuous

Dielectric Strength:

Across Open Contacts
Between Mutally Insulated Points Insulation Resistance

500Vrms 1500Vrms 1,000 Mohms min @ 500VDC

Temperature: Operating

Storage

Life Expectancy: Electrical (full load operations)

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

Mechanical (no load operations)

100,000 10,000,000

Miscellaneous: Mounting Position Mating Socket

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



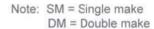
Industrial Pin Out

UL Contact Load Ratings

Contact Configuration	Current / HP	Load Voltage	Load Frequency	Type of Load
All Styles EXCEPT Code 33	10 Amp	120 VAC	50/60Hz	Resistive
	5 Amp	240 VAC	50/60Hz	Resistive
	10 Amp	28 VDC	DC	Resistive
	0.5 Amp	125 VDC	DC	Resistive
	1/6HP	120 VAC	50/60Hz	Motor
	1/3HP	240 VAC	50/60Hz	Motor
Code 33	5 Amp	120 VAC	50/60Hz	General Purpose
	2.5 Amp	240 VAC	50/60Hz	General Purpose

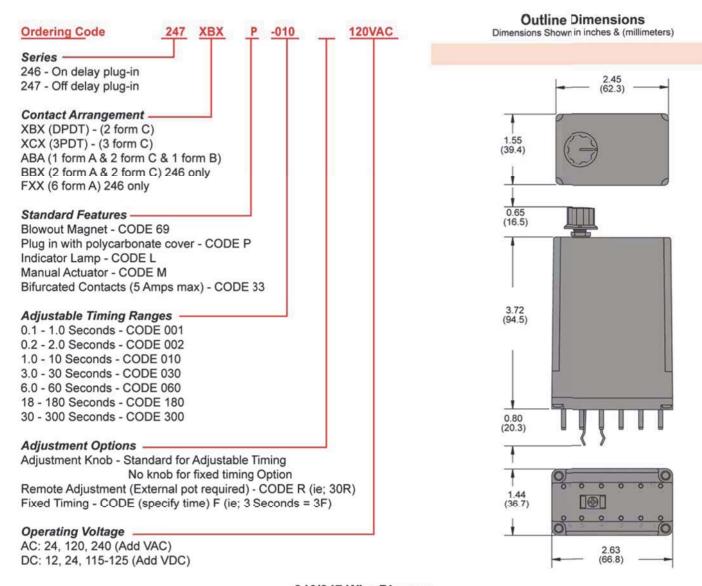
Additional UL Contact Ratings for Code "69" relays incorporating a blowout magnet.

Contact Configuration	Current / HP	Load Voltage	Load Frequency	Type of Load
All Styles EXCEPT	3 Amp	125 VDC	DC	Resistive
Code 33	1 Amp	250 VDC	DC	Resistive





Timer / Sensor - Time Delay & Sensor Relays 5 - 25 Amp



246/247 Wire Diagram

