

**Tripdexor**



## SPECIFICATIONS

<b>CONTROL VOLTAGE</b>	24, 120 VAC $\pm 10\%$ , 50/60 Hz
<b>CONTROL SWITCH CURRENT</b>	2 mA
<b>POWER REQUIRED</b>	3 VA (Approximately)
<b>DUTY CYCLE</b>	Continuous
<b>OUTPUT RATING</b>	<p>Tripdexor 24V 5A Resistive, 25 VA @ 24VAC -120V (3) 5 Amp Resistive, 1/6 hp, 211 VA @ 120 VAC, Inductive Externally Switched to Terminal #2</p> <p>Quadraplexor (4) 5 Amp Resistive, 1/6 hp, 211 VA @ 120 VAC, Inductive Externally Switched to terminal #2</p>
<b>LIFE EXPECTANCY</b>	<p>Mechanical 10,000,000 Operations (Minimum)</p> <p>Electrical 100,000 Operations @ Rated Load</p>
<b>INDICATORS</b>	LED's Show Condition of Outputs
<b>TEMPERATURES RATING</b>	<p>Operate <math>-4^{\circ}</math> to <math>131^{\circ}\text{F}</math> (<math>-20^{\circ}</math> to <math>+55^{\circ}\text{C}</math>)</p> <p>Storage <math>-40^{\circ}</math> to <math>185^{\circ}\text{F}</math> (<math>-40^{\circ}</math> to <math>+85^{\circ}\text{C}</math>)</p>
<b>ENCLOSURE</b>	Style "E" Lexan® Surface Mounted
<b>TERMINATIONS</b>	(12) #8-32 Screw Terminals
<b>WEIGHT</b>	12 to 14 oz.

NOTE: For Analog signal inputs, ATC offers a duplexing pump control the ATC-Digitec 3800 Panel Meter.

## MODEL NUMBER

<b>MODEL NUMBER</b>	ARA		A		E
<b>CONTROL VOLTAGE</b>					
24 V Tripdexor		24			
120 V Tripdexor		120			
120 V Quadraplexor		120			
Tripdexor				F	
Quadraplexor (120 V only)				G	

The ARA Series Tripdexor and Quadraplexor are UL Listed under UL File Number E55826.

The **Tripdexor and Quadraplexor Alternating Relays** are designed for use in **MULTIPLE LOAD** installations that are required to alternate in sequence while assuring equal run time on all loads. They also allow for additional loads to run in the event of excess load requirements.

The **Tripdexor and Quadraplexor** have the option of automatic alterations or external clocking alterations. When the factory installed jumper is in place the alternating action is initiated by a control switch, which is common with one side of the control voltage. When the jumper is removed the alternating action is initiated by an isolated normally open switch.

## ARA-XXX-AFE ALTERNATING ACTION

**TRIPLEXOR:** For automatic alterations a factory-installed jumper is in place between terminals 3 and 4. The alternating action is accomplished when the control switch between terminals 2 and 4 opens.

For external clocking alterations, remove the factory-installed jumper between terminals 3 and 4 and place an isolated normally open switch between terminals 2 and 3. The alternating action will occur each time this isolated switch is closed and then re-opened.

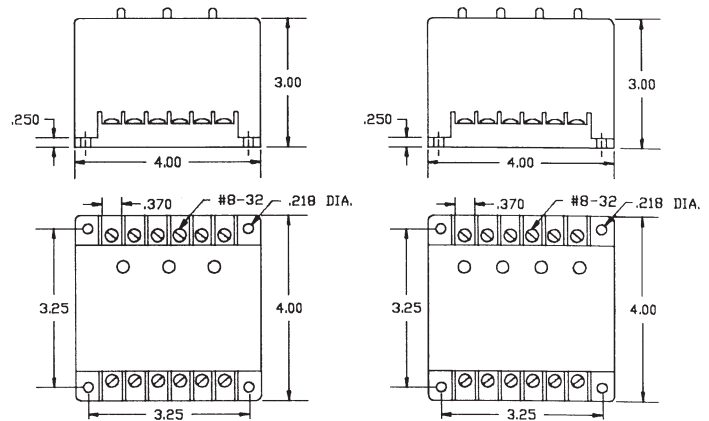
## ARA-XXX-AGE

**QUADRAPLEXOR:** For automatic alterations, a factory installed jumper is in place between terminals 11 and 12. The alternating action is accomplished when the control switch between terminals 2 and 3 opens.

For external clocking alterations, remove the factory-installed jumper between terminals 11 and 12 and place an isolated normally open switch between terminals 2 and 12. The alternating action will occur each time this isolated switch is closed and then re-opened.

In the event of a power failure the Alternating Relays will return to their quiescent state and continue sequencing loads on one-at-a-time.

## DIMENSIONS (INCHES)



## WIRING

