

## ALTERNATING RELAYS

ATC-Diversified Electronics offers a wide variety of models for various staging requirements. The different models available are: **Duplexors, Triplexors, Quadraplexors, Special Function, and Expandable Alternating Relays.**

The **Alternating Relay** is used in multiple load installations to assure equal run time on all loads. They also allow for the addition of more capacity in the event of excess load requirements. The Alternating Relay provides equal run time on two or more loads by alternating the sequence in which the loads are allowed to start up. In each case, the alternating action is initiated each time the control switch across designated terminal opens. The control switch may be a float, a thermostat, a pressure switch, or a timer contact.

## ALTERNATING CONTROLLERS

The **ARM Series, Alternating Controllers**, are used in multiple load installations to assure equal run time on all loads. They also allow for the addition of more capacity in the event of excess load requirements. The Alternating Controllers provide equal run time on two or more loads by alternating the sequence in which the loads are allowed to start up.

All **ARM** models feature **intrinsically safe inputs** and logic that allows the outputs to operate even if one of the inputs fails to open or close. For example: if the off switch fails to close, the lead load will not energize until both the lead and the lag switches close. An inrush delay on all models reduces line sags by preventing multiple loads from energizing simultaneously.

## FEATURE MATRIX

Model Number	NUMBER OF LOADS SEQUENCED			ENCLOSURE STYLE		EXPANDABLE	EXTERNAL CLOCKING	AUTOMATIC ALTERNATING	FIELD SELECTABLE SEQUENCING	UL/CANADIAN UL RECOGNIZED	UL LISTED	CSA CERTIFIED
	2	3	4	A	E							
ARA-XXX-ABA	●			●				●		●		●
ARA-XXX-ACA	●			●				●		●		●
ARA-XXX-ADA	●			●				●		●		●
ARA-XXX-AEA	●			●				●		●		●
ARA-XXX-AFE		●			●		●	●			●	●
ARA-XXX-AGE			●		●		●	●			●	●
ARA-120-AHE		●			●		●	●				
ARA-120-AJE		●			●		●	●	●			
ARA-120-AME	●	●			●	●	●	●				
ARA-120-ANE		●	●		●	●	●	●				
ARB-XXX-ABA	●			●				●	●	●		●
ARB-XXX-ACA	●			●				●	●	●		●
ARB-XXX-ADA	●			●				●	●	●		●
ARB-XXX-AEA	●			●				●	●	●		●
ARC-XXX-AAA	●			●				●		●		
ARD-XXX-AAA	●			●				●	●	●		
AUC-XXX-AAA	●			●				●			●	
AUD-XXX-AAA	●			●				●	●		●	

## FEATURE MATRIX

Model Number	NUMBER OF LOADS SEQUENCED			STYLE SURFACE MOUNT	PANEL MOUNT	AUTOMATIC ALTERNATING	SELECTABLE SEQUENCING	OUTPUT LOGIC (SOSO)	OUTPUT LOGIC (FOSO)	OMIT	LEAD SELECT	UL LISTED 913
	2	3	4									
ARM-XXX-AAE		●		●		●		●				●
ARM-XXX-AAEP		●		●	●	●		●				●
ARM-XXX-ABE		●		●		●			●			●
ARM-XXX-ABEP		●		●	●	●			●			●
ARM-XXX-ACE		●		●		●	●	●		●	●	●
ARM-XXX-ACEP		●		●	●	●	●	●		●	●	●
ARM-XXX-ADE		●		●		●	●		●	●	●	●
ARM-XXX-ADEP		●		●	●	●	●		●	●	●	●
ARM-XXX-AFE	●			●		●	●	●	●		●	●
ARM-XXX-AFEP	●			●	●	●	●	●	●		●	●
ARM-XXX-AGE			●	●		●		●				●
ARM-XXX-AGEP			●	●	●	●		●				●
ARM-XXX-AHE			●	●		●			●			●
ARM-XXX-AHEP			●	●	●	●			●			●

