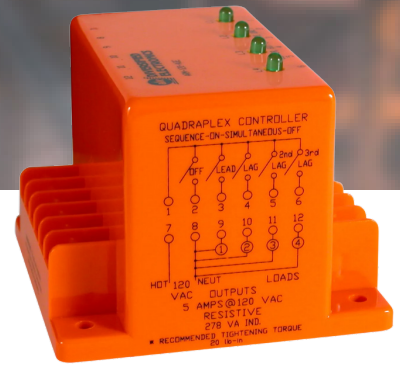


Alternating Controllers - Triplex and Quadraplex

ARM Series



These **TRIPLEX and QUADRAPLEX CONTROLLERS** are available with either Sequence-On-Simultaneous-Off (SOSO) or First-On-First-Off (FOFO) output logic. The special function models are differentiated by a rotary switch that allows any output to be locked as the lead load or any one load to be omitted while sequencing only the remaining loads. In addition to load omission and lead selection, the expandable model can be set for 2, 3, or 4 load operation with either SOSO or FOFO logic.

INTRINSICALLY SAFE INPUTS

All models feature **INTRINSICALLY SAFE INPUTS** and logic that allows the outputs to operate properly 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.

ORDERING INFORMATION

Model Number	ARM			E	
Control Voltage	24 VAC	24A			
	120 VAC	120A			
No. OF LOADS	OUTPUT LOGIC	SPECIAL FUNCTIONS			
3	SOSO	none	A		
3	FOFO	none	B		
3	SOSO	Omit/Lead Select	C		
3	FOFO	Omit/Lead Select	D		
4	SOSO	none	G		
4	FOFO	none	H		
ENCLOSURE STYLE				E	
MOUNT	No Suffix Surface Mount				
	P Suffix Panel Mount				P



TECHNICAL DATA

ATC/DEI Series	ARM Series Triplex & Quadraplex
Dimensions (WxHxD)	4"x3"x3.25"
Power Required	2.5 VA
Weight	16 oz.
Control Voltage	24 or 120 VAC ± 10%, 50/60 Hz
Duty Cycle	Continuous
Terminations	(12) #8-32 Screw terminals with pressure clamps
Enclosure	Style "E" Surface mount
LED indicators	ON when corresponding output is ON
Isolation	2500V Input to Output
Sensitivity	100 k ohm
Switch Current	10 μAmps short circuit
Switch Voltage	5.1 Volts open circuit
Contact Rating	All channels, SPST-N.O., 5 Amps per channel @ 24 or 120 VAC, Resistive; 278 VA, Inductive
RESPONSE	
Power Up	< 1 SEC
Operate	< 25 mSEC (switch closure)
Inrush	5 SEC
Release	< 150 mSEC
TEMPERATURE RATING	
Operate	-4° to 131° F (-20° to +55° C)
Storage	-40° to 185° F (-40 to +85° C)
LIFE EXPECTANCY	
Mechanical	20 Million Operations
Electrical	50,000 Operations
AGENCY APPROVALS	Process control equipment for hazardous locations (7M26 UL913)
UL Listed	*Includes Intrinsically Safe Inputs

* Our standard 10 year warranty applies to all ATC/DEI Products

