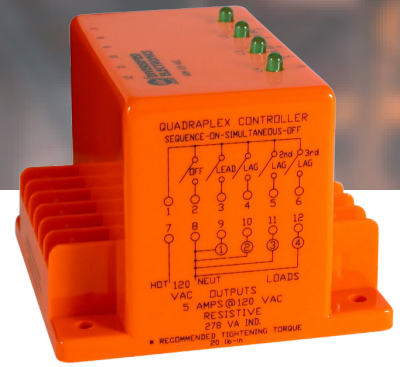


Alternating Controllers - Triplex and Quadraplex

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.



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 |

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 |

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

