

PRODUCT PROFILE

BULLETIN 700-HTA ALTERNATING RELAY

The Rockwell Automation Allen-Bradley family of relay products continues to expand with the Bulletin 700-HTA Alternating Relay. These relays are designed to accept duplex loads necessary to perform alternating applications.

The Bulletin 700-HTA serves as an interposing relay between the controller and field devices. The alternating feature allows users to select the primary or secondary load or alternate between the two. Ideal for applications with pumps, compressors or air conditioning/ refrigeration units.

- Relay available for operation with one or two control switches such as float switches, manual switches, timing relays, pressure switches, or other isolated contacts
- Control 12V, 24V, 120V or 240V AC operation
- Two LED indicators show status of the alternating relay
- Compact plug-in design utilizing existing industry-standard 8- or 11-pin octal sockets
- Optional low profile slide switch for manual override of load during servicing
- 10 Amp single- or double-pole output configurations
- cULus listed



ADVANTAGES

Cost Effective

- Optimizes load usage by equalizing the run time of the loads
- Allow for additional capacity in the case of excess load requirements

Decreased Downtime

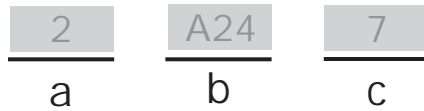
- Each model is available with three position slide switch, which allows for switching between loads
- Servicing becomes faster, easier and safer

Cross-Wired Output

- Allows for Lead-Lag operation in 2 switch model

PRODUCT SELECTION

700 - HTA



a	b	c
Control Switches	Supply Voltage	Switch Option ¹
1 = SPDT	A12 = 12V AC	Blank = None
2 = DPDT	A24 = 24V AC	7 = 3-Position Slide Switch
3 = Cross Wired	A1 = 120V AC	
	A2 = 240V AC	

700-HTA SPECIFICATIONS

Specifications		
Rated Thermal Current	10 A	
Rated Insulation Voltage	250V IEC, 200V UL/CSA	
Voltage Tolerances	50 Hz	85...110% of Nominal Voltage
	60 Hz	85...110% of Nominal Voltage
Load (Burden)	Less than 3 VA	
Contacts	Inductive	Break... Make, HP
	120V AC	3...30 A, 1/3 HP
	240V AC	1.5...15 A, 1/2 HP
	30V DC	10 A
Transient Protection	10,000 volts for 20 microseconds	
Life	Mechanical	10,000,000 operations
	Full Load	100,000 operations
Power Consumption ² +/-10%	24V AC	2 VA
	120V AC	4 VA
	240V AC	4 VA
Switching Frequency Operations	18,000/hr	

Construction		
Insulating Material	Molded High Dielectric Material	
Enclosure	Impact Resistant Dust Cover	
Contact Material	Silver Tin Oxide	
Sockets	8-Pin	700-HN100, -HN125
	11-Pin	700-HN101, -HN126
Indicator LED's	2 LED's marked Load A and Load B	
Optional Slide Switch Settings:	Alternate, Lock Load A, Lock Load B	
Certifications	CSA Certified, File LR1234, UL Recognized, File E3125	
	Guide NLDX2, UL Listed, Ind. Cont. Eq. A191 with above sockets, CE Marked	
Standards	EN 61812, EN 60947-5-1, CSA 22.2, UL508	
Environmental		
Temperature	Operating	-28 to 65°C (-20 to 150°F)
	Storage	-55 to 85°C (-67 to 185°F)

- 1) Switch option for manual override between load A or B
- 2) Maximum in rush 5.5A RMS for 0.1 ms Max

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