

APD-Series Anti Pumping Relays

APD-100/APD-300/APD-500

Features

- Suitable for Din Rail / Screw Mounting.
- Universal voltage range.
- Terminal Block safety Protective cover.



Ordering Information

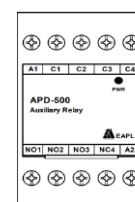
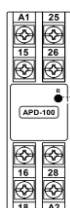
Models	Function	Source Voltage	Output
APD-100	Anti pumping relays	24V AC to 240V AC, 24V DC to 220V DC	1 C/o Relay
APD-300			2 C/o Relay
APD-500			4 C/o Relay

Front View

APD-100

APD-300

APD-500

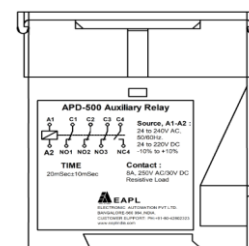
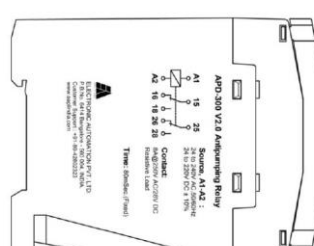
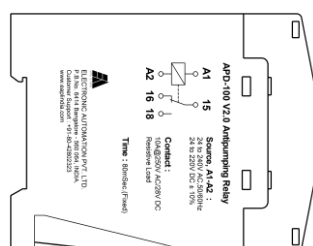


Side View

APD-100

APD-300

APD-500



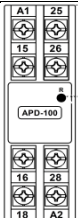

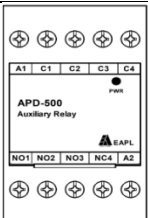
Over-all Dimensions

Models	Dimension Details in mm		
	W	H	D
APD-100/APD-300	22.5	75	102
APD-500	45	77	89

■ Specifications

Parameters	Models	APD-100	APD-300	APD-500
Function		Anti pumping Relay		
Rated supply Voltage		24V AC to 240V AC & 24V DC to 220V DC $\pm 10\%$		
Rated Frequency		50 / 60Hz $\pm 5\%$		
Allowable ripple (for DC supply)		3% maximum		
Power consumption		AC approx.5VA DC approx.3W		
Control output		1C/O rated for 10A @250VAC/28VDC resistive load	2C/O rated for 8A @250VAC/28VDC resistive load	4 C/O rated for 8A @250VAC/30VDC resistive load
Time range		80mSec ± 20 mSec		20mSec ± 10 mSec
Recovery time		100mSec minimum		
Ambient temperature		Operation:-10°C to +55°C Storage : -25°C to +80°C		
Service life (under no load)		10 ⁶ operations minimum		
Electrical life (under full load)		10 ⁵ operations minimum		
Rated frequency of operation		1800 operations per hour max		
Insulation resistance		>100M ohms @ 500V DC		
Dielectric strength		01) 2.5KV AC, 50Hz for 1 minute.(Between Current carrying &non-current carrying parts) 02) 1.5KV AC, 50Hz for 1 minute (Between contacts & control circuit) 03) 750V AC (rms), 50Hz for 1 minute.(Between non-continuous relay contacts)		
Electrical connection		Screw type terminals with self lifting clamps		
Humidity		MAX 85% RH @ 40°C		
Dimension (W x H x D)		22.5 x 75 x 102mm		45 x 77 x 89mm

Connection and Terminal Details

Connection Details	APD-100	APD-300	APD-500
			
Terminal Details	APD-100	APD-300	APD-500
	A1, A2 : Source Voltage 15, 16, 18 : C, NC, NO	A1, A2 : Source Voltage 15, 16, 18 : C1, NC1, NO1 25, 26, 28 : C2, NC2, NO2	A1, A2 : Source Voltage C1, NO1 : Common1, Normally Open1 C2, NO2 : Common2, Normally Open 2 C3, NO3 : Common3, Normally Open 3 C4, NC4 : Common4, Normally Closed4