DC Contact Rating - P600

	Amperes		Volt Amperes [2]		Continuous
Volts	Make	Break	Make	Break	Amperes
125	1.1	1.1	138	138	5
250	0.55	0.55	138	138	5
600	0.20	0.20	138^2	138^2	5

[2] 300 Volts or Less

All relays require a minimum of $7/8$ in. clearance below magnet for coil change.

A horizontal space of $1/8$ in. between relays is recommended.

Mounting Holes For #10 Screws

Relay Type	Open Relay Cat. Number		H	W	D	Hm	Wm
PM-DC	4U2,4U3,4U4		6 1/8	3	3 1/4	4 1/2	2
	4U6,4U8		6 1/8	4 1/2	3 1/4	4 1/2	2
PML-DC	5UHD2		5 5/16	3	3 5/8	4 1/2	2
	5UHD3, 5UHD4		5 5/16	4 1/2	3 5/8	4 1/2	2
PMT-DC	714UP		6 1/8	3	3 1/8	4 1/2	2 1/2
	713UP-DC	1,2-Pole	5 1/2	3	3 3/8	4 1/2	2
	713UP-DC	3 Pole	5 1/2	3 3/4	3 3/8	4 1/2	2
	713UP-DC	4 Pole	5 1/2	4 1/2	3 3/8	4 1/2	2

K

430

Standard catalog listed AC relays ordered will have the proper coils as determined by the voltage and frequency suffix to the catalog number.

Changing the circuit arrangement on a relay also changes the mechanical load on the magnet and may require a change of operating coil to assure proper operation. the information on this page will enable you to select the correct operating coil for any circuit arrangement required. Voltage-ampere requirements are provided to help in designing your panels.

To select the proper operating coil for all

basic and latch relays except the Slim Jim, first determine the mechanical load on the magnet simply by totalling the load represented by the individual components operated by the magnet, using the mechanical load factors shown below. Select the proper coil from Table 1.

When selecting the proper coil for Slim Jim Relays and Time Delay Relays, it is not necessary to determine the mechanical load

factor. As shown in Table 1, one coil for each voltage and frequency will operate all pole combinations.

For Example:

Table 1 indicates that the proper coil number for 110 volts, 60 hertz application is TB113-61, since the load factor of 168 falls within the Mechanical Load Range of 145 to 192.

Mechanical Load Factors:

Convertible Pole - Normally Open 10
Convertible Pole - Normally Closed 12
Double Contact Pole - Universal or Duplex 36
Latch Mechanism 20

Example:

A relay with 1 N.O. and 9 N.C. convertible poles and a latch mechanism will have a mechanical load factor as follows:

1 N.O. Convertible Pole 10
9 N.C. Convertible Poles 108
Accumulation Factor [1] 30
1 Latch Mechanism 20
Total Mechanical Load Factor 168

Coil Application Tables - Type PM Relay Family   Table 1

AC Volts	Hertz	Basic And Latch Relays				Slim Jim Relays All Pole Combi-nations	Trip Coil on Latch Relays, All Pole Com-binations	Time Delay Relays Class A All Pole Combinations
		Mechanical Load Range (Does Not Apply To Slim Jim Relays)						
		20-72	73-144	145-192	193-240			
Coil Catalog Numbers - Bulletin 7303 & 7305 PM & PML								
24	60	TB113-36	TB113-37	TB113-60	---	TB139-10	TB127-14	TB135-16
110-120 110	60 50	TB113-1	TB113-3	TB113-61	TB130-13	TB139-1	TB127-20	TB135-1
110	25	TB113-20	TB113-20	---	---	---	TB127-23	TB135-14
220-240 220	60 50	TB113-4	TB113-6	TB113-62	TB130-14	TB139-2	TB127-21	TB135-2
220	25	TB113-8	TB113-8	---	---	---	TB127-5	TB135-15
380	60 50 25	TB113-65 TB113-7 TB113-22	TB113-64 TB113-28 TB113-22	TB113-63 TB113-64 ---	TB130-3 TB130-9 ---	TB139-3 TB139-4 ---	TB127-3 TB127-4 TB127-12	TB135-3 TB135-9 ---
440-480 440	60 50	TB113-7	TB113-9	TB113-64	TB130-9	TB139-4	TB127-11	TB135-4
440	25	TB113-33	TB11-33	---	---	---	---	TB135-17
550-600 550	60 50	TB113-16	TB113-11	TB113-66	TB130-6	TB139-6	TB127-6	TB135-6
550	25	TB113-34	TB113-34	---	---	---	---	---
Volt -Amperes								
INRUSH SEALED	60	67 23	108 36	141 47	161 53	61 16	16 8	215 35
INRUSH SEALED	50	51 18	93 33	124 45	180 49	51 13	Refer to Sales Office	180 30
INRUSH SEALED		39 15	50 22	--- ---	--- ---	--- ---	Refer to Sales Office	70 15

[1] For relays with 9 or more normally closed convertible poles, an accumulation factor of 30 must be added to to the total mechanical load factor for the relay

K

430