

# PM series

## Heavy Duty 25 Amp Multicontact AC or DC Power Relay

UL File E22575 (PM)

RA File E22575 (PMT)

SP File 15734

### Features

- Contact ratings to 25 amps.
- 8-32 screw or .250 O.C. termination.
- AC and DC coils available.
- 4PDT contact arrangement.
- Plastic and metal covers available.

### Contact Data @ 25°C

**Arrangements:** 4 Form C (4PDT).

**Ratings: PM & PMT:** 25 amps @ 277VAC, max.; 10 amps @ 28VDC;  
1 HP @ 120/240VAC, Single Phase.

**Material:** Silver-cadmium oxide.

**Expected Life:** 10 million operations, mechanical; 100,000 operations at rated loads @ 25°C.

### Initial Dielectric Strength

**Initial Breakdown Voltage:** 2,000V rms minimum between all elements and ground.

### Coil Data @ 25°C

**Voltage:** From 6 to 125VDC and 12 to 240VAC, 50/60 Hz.

**Nom. Power: DC:** 4.4 Watts @ 25°C.

**AC:** 14VA @ 25°C.

**Duty Cycle:** Continuous.

**Initial Insulation Resistance:** 100 megohms, minimum.

Nominal Voltage	DC Coils		AC Coils (50/60 Hz.)		
	DC Resis. In Ohms ±10% @ +25°C	Nominal Current In Milliamps	Nominal Voltage	DC Resis. In Ohms ±15% @ +25°C	Nominal Current In Milliamps
6	8.2	732			
12	33	364	12	1.4	1070
24	132	182	24	5.0	540
48	526	91	120	120	128
110	2760	40	240	587	61
125	3570	35			
220	Use a 110 volt relay with 2700 to 3300 ohm 5 watt wire wound resistor in series.				

### Operate Data @ 25°C

**Must-Operate Voltage: DC:** 75% of nominal voltage @ +25°C.

**AC:** 85% of nominal voltage @ +25°C.

### Environmental Data

**Temperature Range: AC:** -55°C to +45°C @ nominal coil power.

**DC:** -55°C to +55°C @ nominal coil power (+75°C available on special order).

### Mechanical Data

**Mounting: Standard:** Three holes: one front key-hole and two rear channel slots for #8-32 screws.

**Special:** Adaptor plate available for adapting these relays to a chassis pre-drilled for our PRD series relays.

**Termination: PM:** Heavy-duty screw type with #8-32 BH screw.

**PMT:** .250" (6.35mm) quick connect terminals.

**Insulating Material:** Molded polyester alkyd.

**Enclosure: PM & PMT:** Plastic dust cover or metal enclosure available. Order separately. See following page.

**Weight:** 14 oz. (397g) approximately.

Typical Part No. ▶

PM

-17

A

Y

-120

1. **Basic Series:** PM

2. **Type:**

Leave blank = Open relay with screw terminals.

T = Open relay with .250" (6.35mm) quick connect terminals.

3. **Contact Arrangement:**

17 = 4 Form C (4PDT)

4. **Coil Input:**

A = AC

D = DC

5. **Contact Material:**

Y = Silver-cadmium oxide.

6. **Coil Voltage:**

To 240VAC or 125VDC (to 220V with resistor).

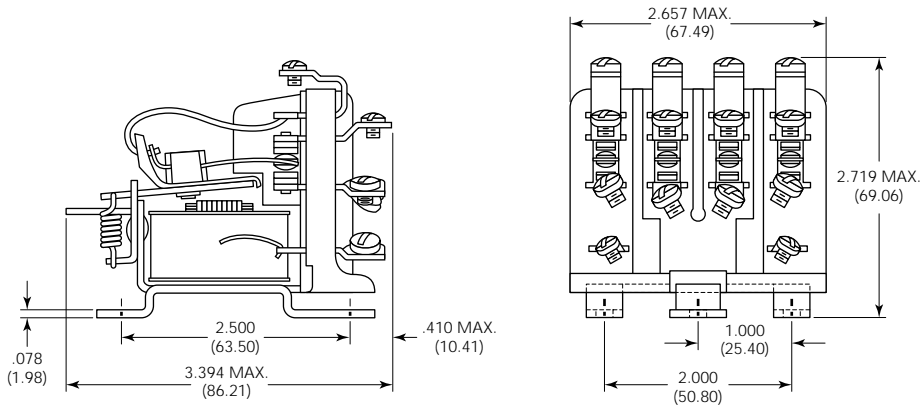
**Stock Items – The following items are normally maintained in stock for immediate delivery.**

PM-17AY-24  
PM-17AY-120  
PM-17AY-240

PM-17DY-12  
PM-17DY-24  
PM-17DY-110

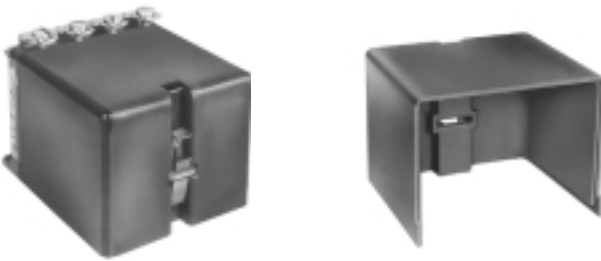
PMT-17DY-24

Outline Dimensions



Tolerance: ± .010 (± .25)

PM Plastic Dust Cover 35D203



Overall Dimensions In Inches (mm)

Part No.	Length	Width	Height
35D203	3.394* (86.21)	2.657* (67.49)	2.719* (69.06)
35D227	5.313 (134.95)	3.813 (96.85)	3.813 (96.85)

\*When Mounted On Relay

PM Metal Cover 35D227

