

# Panel Potentiometer

## Model P232 / P233



### Features:

- 24 mm rotary
- Sealed / dust proof
- Long life element
- 2 million cycle life
- Metal shaft / bushing



## Model Styles Available

|                                       |      |
|---------------------------------------|------|
| Side Adjust, Solder Lugs, Single-Gang | P232 |
| Side Adjust, Solder Lugs, Dual-Gang   | P233 |

## Electrical

|   |   |
|---|---|
| Resistance Range, Ohms                            | 1K-1M (for "B" taper)<br>5k-1M (for other tapers)                 |
| Standard Resistance Tolerance                     | ±10% ( $\leq 500\Omega$ or $\geq 1 \text{ Meg } \Omega$ , = ±20%) |
| Residual Resistance                               | 3 ohms max.   |
| Input Voltage, Maximum                            | 200 Vdc max.  |
| Power rating, Watts                               | 0.5W- B taper, .03W- others                                       |
| Dielectric Strength                               | 500Vac, 1 minute  |
| Insulation Resistance, Minimum                    | 100M ohms at 1,000Vdc/ 1 minute                                   |
| Peak Noise (Contact Resistance Variation) @ 6 rpm | ±3% max.  |
| Linearity   | ±3% max.  |
| Actual Electrical Travel, Nominal                 | 280°  |
| Gang Error  | ±3dB (-40dB to 0dB)   |

## Mechanical

|  |           |
|--|-----------|
| Total Mechanical Travel                        | 300°± 5°  |
| Static Stop Strength, Minimum                  | 120 oz-in |
| Rotational Torque, Maximum, Single Gang (P232) | 1.5 oz-in |
| Rotational Torque, Maximum, Dual Gang (P233)   | 3.0 oz-in |

## Environmental

|                             |                  |
|-----------------------------|------------------|
| Operating Temperature Range | -10°C to +85°C   |
| Rotational Life             | 2,000,000 cycles |

General Note  
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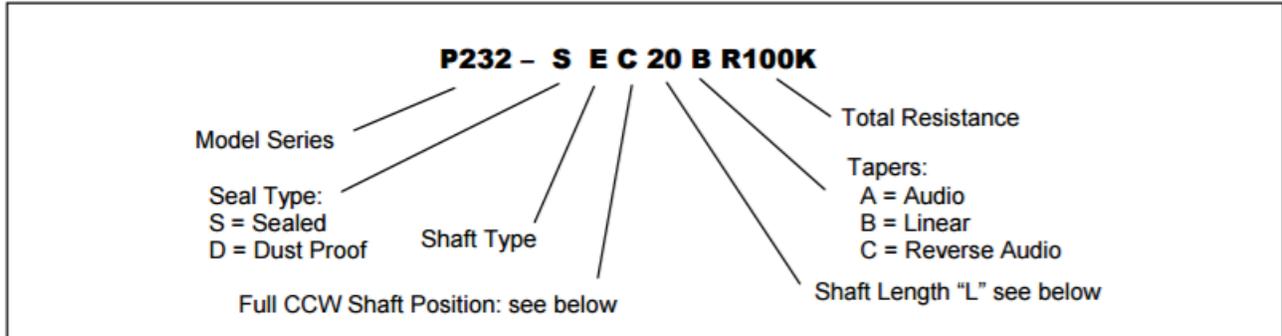
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# Panel Potentiometer

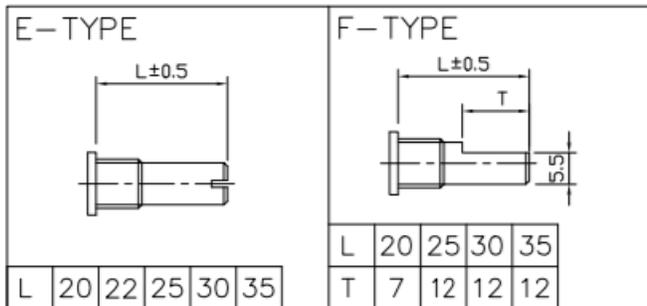
Model P232 / P233



## Ordering

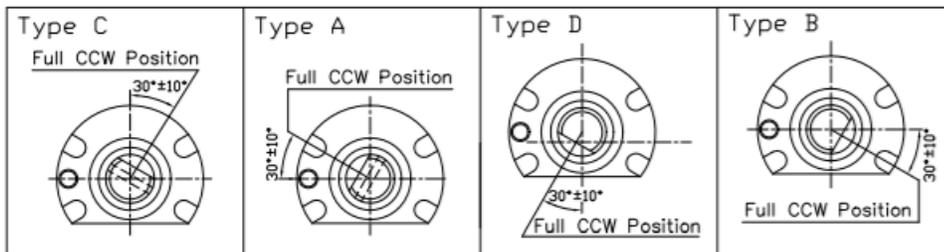


### Shaft Types



### Shaft Position (F-Type Shaft)

Dashed lines on Type "C" and Type "A" shows position of adjustment slot for E-Type shaft



### STANDARD RESISTANCE VALUES, OHMS

500    1K    2K    5K    10K    20K    50K    100K    200K    500K    1 M

#### General Note

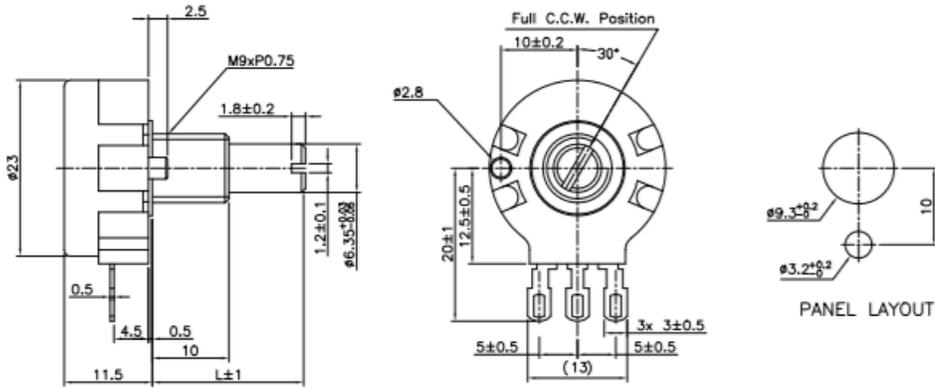
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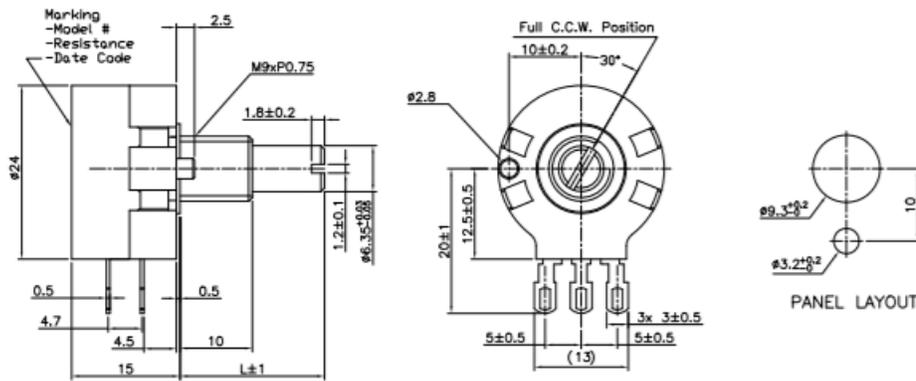
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### Outline Drawings

**Model P232**

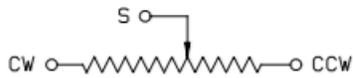


**Model P233**

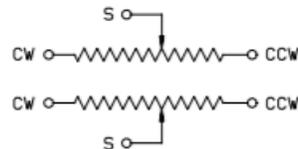


### CIRCUIT DIAGRAM

**P232 (Single gang)**



**P233 (Dual gang)**

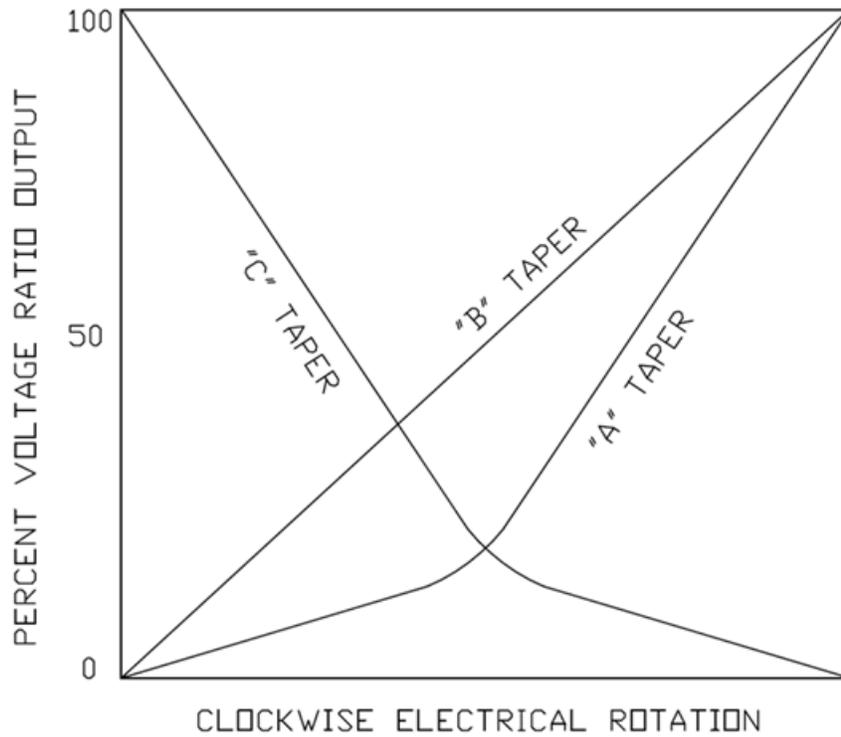


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