



MD 3210



MD 2210

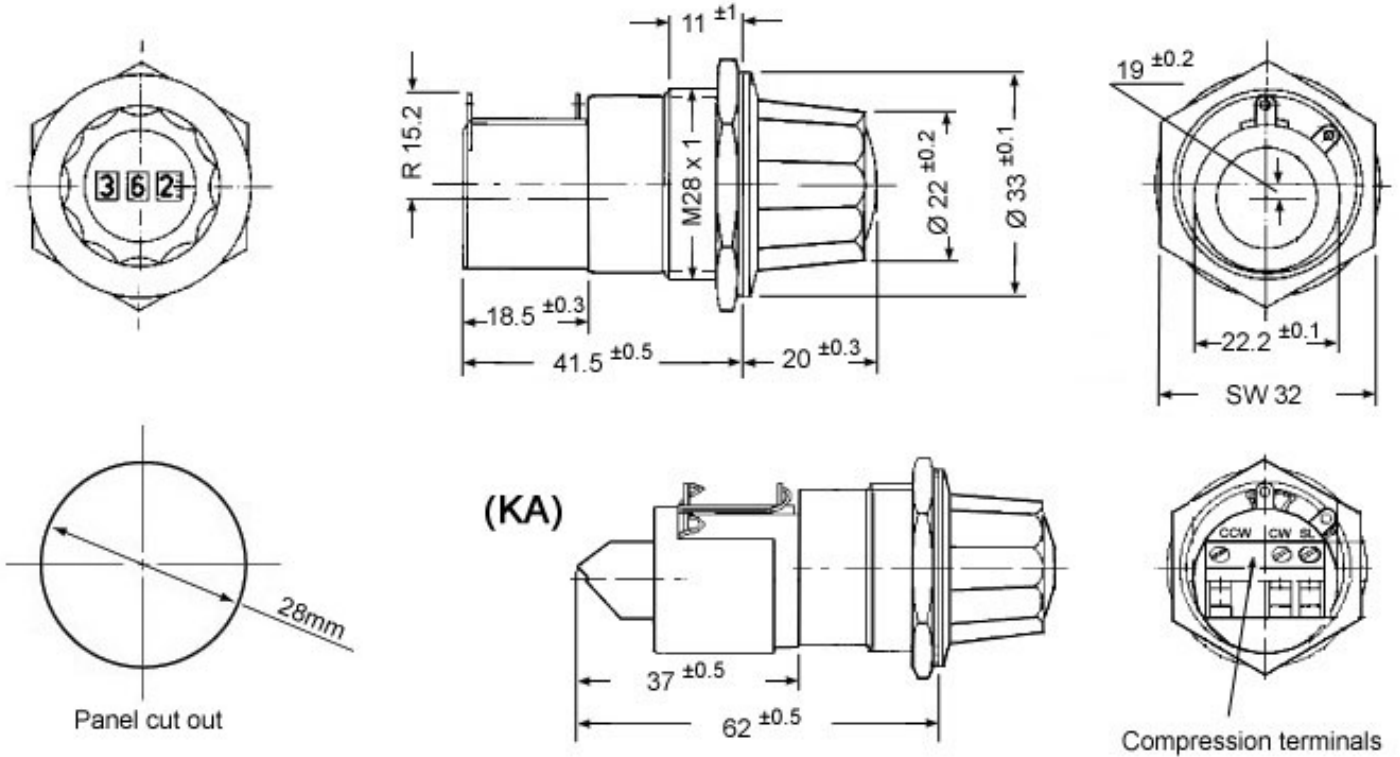
*High Precision*

- **Digital Read Out**
- **±0.25% Linearity**
- **1 Million Turns Life**

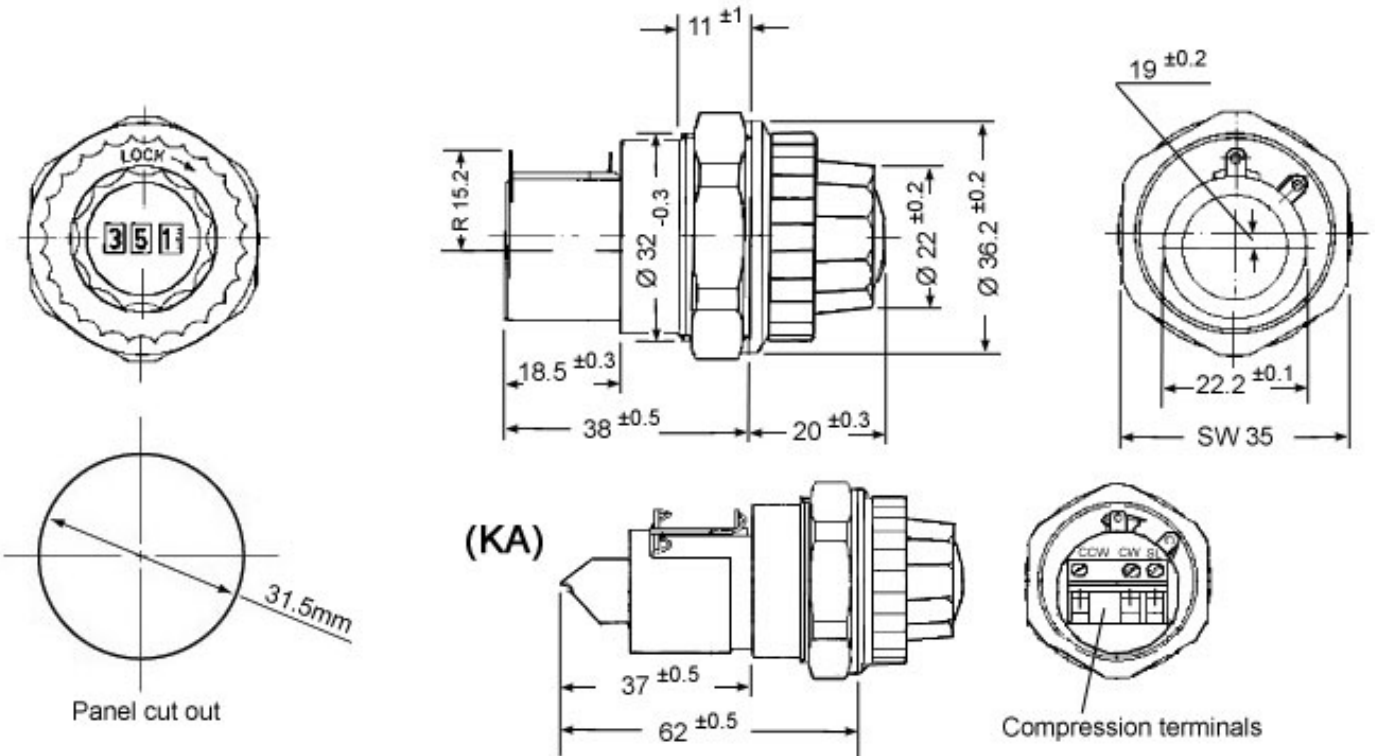
Pre-assembled high precision digital turns counting dial / potentiometer allows for easy installation. Available in 3, 5 and 10 turn models. (KA) versions feature easy connect terminal strips.

Electrical Specifications	MD2210 (KA) MD3210 (KA)	MD2205 (KA) MD3205 (KA)	MD2203 (KA) MD3203 (KA)
Resistance Values (ohms)	20 ~ 100K	50 ~ 50K	100 ~ 20K
Resistance Tolerance	± 5% (2% optional)		
Linearity Tolerance	± 0.25% (0.1% optional)		± 0.25%
Electrical Angle +10°, -0°	3600°	1800°	1080°
End Resistance	< 0.05%		
Insulation Resistance	1000 Mohms at 500 VDC		
Dielectric Strength	1000 VDC, 1 minute		
Noise	<100 ohms E.N.R.		
Power	2W	1.5W	1W
Mechanical Specifications			
Number of Turns	10	5	3
Mechanical Angle +10°, -0°	3600°	1800°	1080°
Starting (max.) Torque (Ncm)	1.2		
Stopper Strength (Ncm)	30		
Vibration	15g, 10Hz to 2,000Hz		
Shock	50g, 11ms		
Typical Life (# of turns)	1 million		
Potentiometer Bearing	sleeve		
Environmental Specifications			
Operating Temperature	-55°C to +85°C		
IP Protection Grade	IP40		
Standards	MIL-R-12934		
Materials			
Housing	Glass reinforced nylon (potentiometer and dial)		
Dial Colors	Available in Gray or Black		
Terminals	Gold plated copper beryllium / KA type = compression terminals		

MD22xx Dimensions (mm)



MD32xx Dimensions (mm)



P3 America, Inc. - 3089C Clairemont Dr. #363 - San Diego, Ca. 92117

Phone:(858) 277-1420 Fax: (858) 225-0439 - [www.p3america.com](http://www.p3america.com)