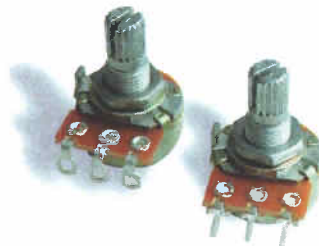


Model P160
16mm Rotary Potentiometer
Conductive Plastic Element
100,000 Cycle Life
Metal shaft / Bushing
Multi – Ganged available
RoHS Compliant



MODEL STYLES

Side Adjust , Solder Lugs	P160KNP
Side Adjust , PC pins	P160KN
Side Adjust , PC Pins, Long pins	P160KN2
Rear Adjust, PC pins	P160KNPD

ELECTRICAL¹

Resistance Range, Ohms	500-1M
Standard Resistance Tolerance	± 20%
Residual Resistance	20 ohms max.
Power rating Input Voltage, maximum	200 Vac max.
Power Rated, Watts	0.2W- B taper, 0.1W-others
Dielectric Strength	500Vac, 1 minute
Insulation Resistance, Minimum	100M ohms at 250Vdc
Sliding Noise	100mV max.
Actual Electrical Travel, Nominal	260°

MECHANICAL

Total Mechanical Travel	300°± 10°
Static Stop Strength	90 oz-in
Rotational Torque, Maximum	2.5 oz-in

ENVIRONMENTAL

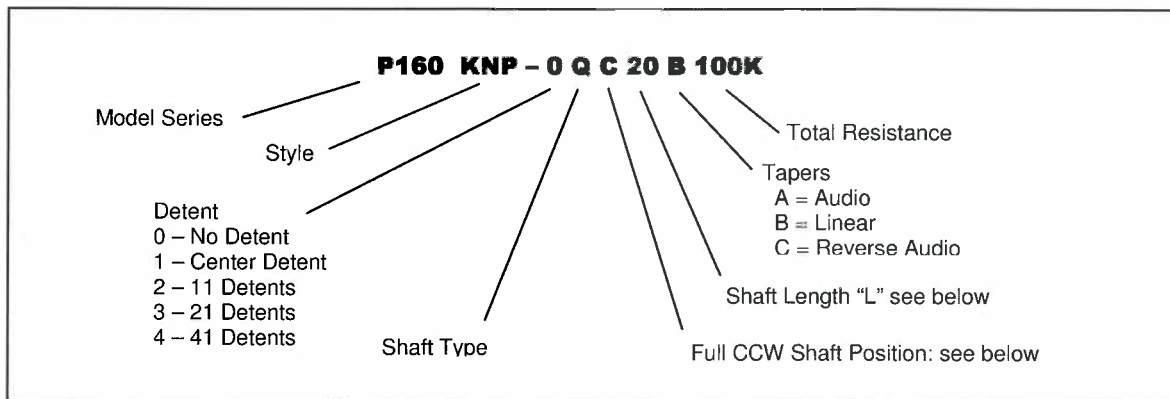
Operating Temperature Range	-20°C to +70°C
Rotational Life	100,000 cycles

¹ Specifications subject to change without notice.



Model P160

ORDERING INFORMATION²



Shaft Types

E-TYPE

Technical drawing of E-TYPE shaft. The shaft has a total length of $L \pm 0.5$. It features a central section with a diameter of $\phi 6.0 \pm 0.1$. The distance from the left end to the start of the central section is 1.5. The distance from the start of the central section to the right end is 1.0.

L	10	15	20	25	30	35	40
---	----	----	----	----	----	----	----

F-TYPE

Technical drawing of F-TYPE shaft. The shaft has a total length of $L \pm 0.5$. It features a central section with a diameter of $\phi 6.0 \pm 0.1$. The distance from the left end to the start of the central section is T . The distance from the start of the central section to the right end is 4.5.

L	15	18	20	25	30	35
T	7	10	12	12	12	12

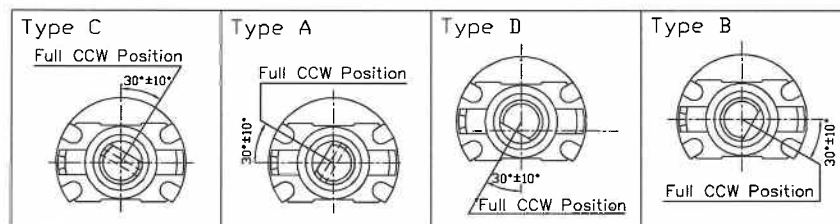
Q-TYPE

Technical drawing of Q-TYPE shaft. The shaft has a total length of $L \pm 0.5$. It features a central section with a diameter of $\phi 6.0 \pm 0.1$. The distance from the left end to the start of the central section is T . The distance from the start of the central section to the right end is 1.0.

L	10	12	13	14	15	17	20	25	30	35	45
T	2.5	4.5	4	5	6	8	10	12	12	12	12

Shaft Position (F-Type Shaft)

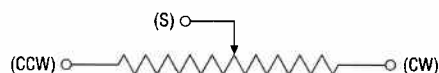
Dashed lines on Type "C" and Type "A" shows position of adjustment slot for E-Type and Q-Type shafts



STANDARD RESISTANCE VALUES, OHMS

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

CIRCUIT DIAGRAM



OUTLINE DRAWING

Technical drawing of the M7XP0.75 pressure washer, showing three views: side view, front view, and panel layout.

Side View Dimensions:

- Overall width: 9.5
- Distance from left edge to start of motor: 6.5
- Motor length: $L \pm 0.5$
- Motor diameter: $\phi 6.0 \pm 0.1$
- Motor length: 1.0
- Motor specification: M7XP0.75
- Motor teeth: 18 TEETH KNURL
- Overall height: $\phi 16.5$
- Distance from bottom edge to motor base: 1.5
- Distance from bottom edge to motor base: 1.6
- Distance from bottom edge to motor base: 2.5

Front View Dimensions:

- Overall width: $\phi 17$
- Distance from left edge to center: 7.8
- Distance from left edge to center: 1.2
- Distance from left edge to center: 2.8
- Distance from left edge to center: 13
- Angle: $30^\circ \pm 10^\circ$
- Distance from center to right edge: 5
- Distance from center to right edge: 5

Panel Layout Dimensions:

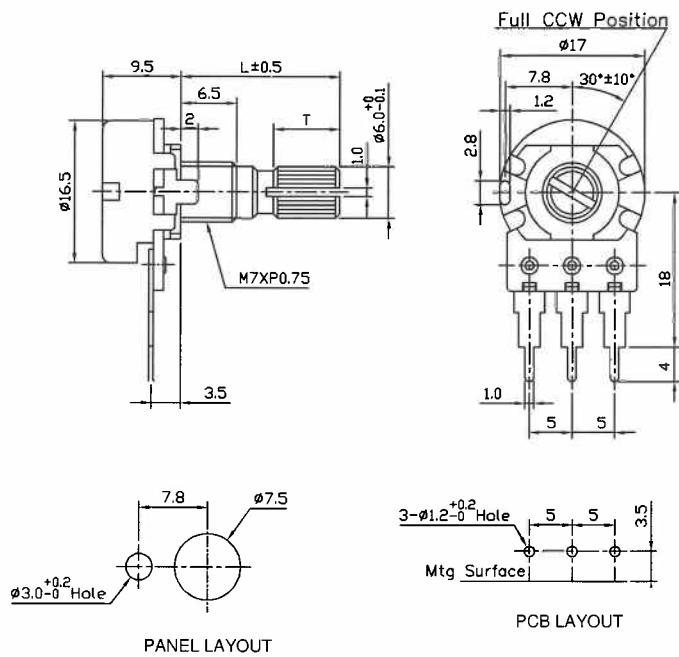
- Distance from left edge to center: 7.8
- Distance from left edge to center: $\phi 7.5$
- Distance from left edge to center: $\phi 3.0 \pm 0.2$ Hole

The technical drawings include a side view of the 18-teeth knurl assembly, a top view of the PCB layout, and a panel layout. The side view shows a knurl with 18 teeth, a total length of $L \pm 0.5$, and a diameter of $\phi 6.0^{+0.1}_{-0}$. The top view shows a circular knurl with a diameter of $\phi 17$ and a central hole of $\phi 7.5$. The panel layout shows a circular knurl with a diameter of $\phi 7.5$ and a central hole of $\phi 3.0^{+0.2}_{-0}$. The PCB layout shows a circular knurl with a diameter of $\phi 7.5$ and a central hole of $\phi 3.0^{+0.2}_{-0}$. The PCB layout also shows a 3- $\phi 1.2^{+0.2}_{-0}$ Hole and a Mtg Surface.

July 31, 2007

Model P160

Model P160KN2 (Side Adjust , PC Pins, Long pins)



Model P160KNPD (Rear Adjust , PC Pins)

