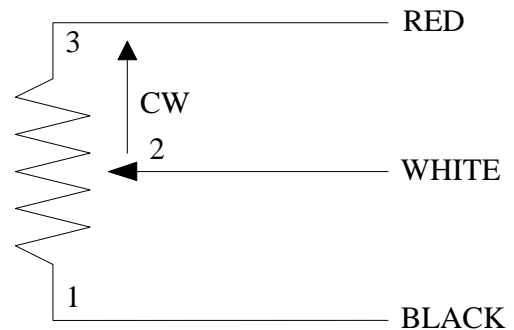


The Peaktronics POT-104 is an industrial grade 10 turn potentiometer intended for use as a position feedback potentiometer in multi-turn actuators of all types. The POT-104 can be used with many Peaktronics mounting kits and is suitable for use with any Peaktronics DHC Series controller.

The POT-104 has $3600^{\circ} +10/-0^{\circ}$ of full rotation. When used with a DHC Series controller, a basic on/off actuator is easily converted to a modulating multi-turn actuator without the need of bulky and costly gearboxes and limit switches. The DHC controller provides easy calibration for applications from 0.5 to 8 turns with a resolution of 157 points per turn (1256 points for 8 turns).

The POT-104 provides precision and long term reliability, featuring a linearity of $\pm 0.25\%$ and a mechanical life of 5 million revolutions. The unit incorporates an internal clutch mechanism that protects the potentiometer from damage due to over-travel during calibration, manual operation, or mechanical override.



ELECTRICAL DIAGRAM

SPECIFICATIONS

RESISTANCE

1K ohms $\pm 10\%$ @ 20°C

LINEARITY

$\pm 0.25\%$

POWER RATING

2 W @ 70°C

OPERATING TEMPERATURE

0°C to 105°C

INSULATION RESISTANCE

1000M ohms min @ 500 VDC

DIELECTRIC STRENGTH

1000V RMS min

ASSEMBLY DIAGRAM

