



Model H-510
 1 $\frac{3}{8}$ " Diameter 10-Turn
 Turns-Counting Dial

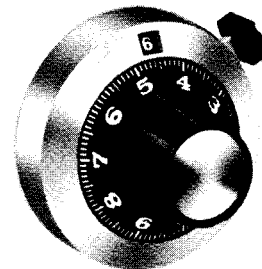
OBSOLETE

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FEATURES

- For use with precision potentiometers or other rotating devices up to 10 turns.
- Simplified mounting — no special panel holes required.
- High quality, rugged construction throughout — cast aluminum housing; metal-to-metal setscrew threads.
- No backlash — mounted directly to potentiometer shaft.
- Primary dial will not rotate when brake is applied.
- Standard models available for $\frac{1}{4}$ " and $\frac{1}{8}$ " diameter shafts.
- Readability equal to larger 1 $\frac{3}{16}$ " dials — excellent number definition in two-thirds the panel space.

Actual Size



H-510

Part Number	Shaft Diameter
H-510-1	.125"
H-510-2	.250"

BOURNS® Turns-Counting Dial Model H-510

MECHANICAL AND PHYSICAL CHARACTERISTICS

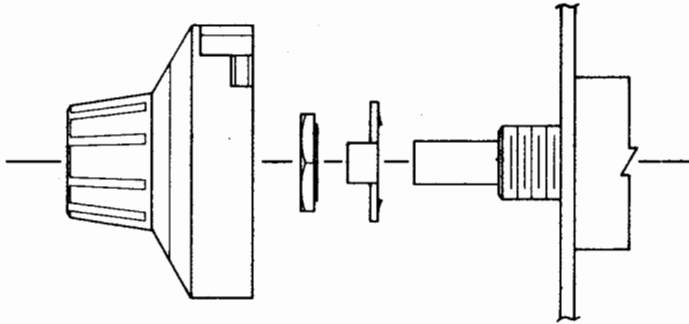
Number of Turns	0 to 10
Dial Divisions	100 per turn
Readability — Ten Turns	1 part in 1,000
Torque — With Brake Engaged	10 oz.-in. minimum
Weight	1¼ oz.
Markings	White on black background

ENVIRONMENTAL CHARACTERISTICS

Operating Temperature Range	-15° to +85°C
Mechanical Life	10,000 cycles
Humidity	MIL-STD-202, Method 103

SHAFT AND BUSHING REQUIREMENTS

Shaft Extension Beyond Panel	0.620 minimum 0.875 maximum
Bushing Extension Beyond Panel	0.406 maximum



MOUNTING INSTRUCTIONS

1. Remove standard mounting nut and lock washer from potentiometer bushing. **Discard these** — they will not be used.
2. Insert potentiometer in panel.
3. **Using parts supplied with dial**, position anti-rotation washer against panel. Tangs of washer should stick out from panel.
4. Install mounting nut supplied with dial. **Be sure:**
 - a. Shoulder on nut engages hole of anti-rotation washer.
 - b. Tangs of anti-rotation washer are aligned horizontally. This positions the turns-counting window properly.
5. Turn potentiometer shaft counterclockwise to minimum resistance or voltage ratio. (This is not necessarily at the end of travel).
6. Loosen setscrew in knob of dial assembly. Set dial to "0.0" reading. Slip dial assembly over end of potentiometer shaft.
7. Holding outer ring of dial assembly, engage locating tangs on anti-rotation washer in notches on dial assembly.
8. Position knob, tighten knob setscrews to potentiometer shaft with wrench furnished.

