7/8'' DIAMETER/0-15 TURNS
- No backlash
- Compact - requires minimal panel space
- For use with precision potentiometers or other rotating devices, up to 15 turns

BOURNS
Model H-507-6
Bourns® Turns-Counting Dials

### Mechanical and Physical Characteristics
- **Number of Turns**: 0 to 15
- **Dial Divisions**: 50 per turn
- **Readability - Over 10 Turns**: 2 parts in 1000
- **Torque - With Brake Engaged**: 5 oz-in. (350 cm. gr.) minimum
- **Weight**: Approximately 0.468 oz (7 gr.)
- **Markings**: White on black background
- **Mechanical Life**: 10,000 cycles
- **Set Screws**: 1 included

### Shaft and Bushing Requirements
- **Shaft Extension Beyond Panel**: 0.7126 in. minimum (18.1 mm)
- **Bushing Extension Beyond Panel**: 0.8504 in. maximum (21.6 mm)
- **Shaft Diameter**: 0.3976 in. maximum (10.1 mm)

### Features
- For use with precision potentiometers or other rotating devices up to 15 turns
- Excellent legibility - white marking on black background
- High quality, rugged construction, aluminum housing, metal-to-metal setscrew threads
- No backlash - mounted directly to potentiometer shaft
- Compact - requires only 7/16" diameter panel space
- High torque, positive brake

### H-507-6 Mounting Instructions
1. Insert potentiometer A in panel.
2. Install anti-rotation device B using hardware C supplied with potentiometer.
3. Turn potentiometer shaft counterclockwise to minimum resistance or voltage ratio.
4. Loosen set screw D in knob of turns-counting dial E using screwdriver. Set dial to "0.0".
5. Mount dial on potentiometer shaft and position against anti-rotation device. Care must be exercised to insure dial key F is inserted in anti-rotation device slot G.
6. While holding outer ring H of turns-counting dial, tighten set screw I to potentiometer shaft.

### Dimensional Drawings

**Measurements in inches (mm):**
- Anti-Rotation Ring: 0.374 (9.5)
- Outer Ring: 0.375 + 0.005
- Key 3774 3774 (2.3)
- Dia. Air Pin: 0.3774 (9.5)

Specifications are subject to change without notice.