

1-1/16" AND 1-1/4" DIAMETER / 0-10 TURNS

- No backlash - mounted directly to potentiometer shaft
- For use with precision potentiometers or other rotating devices up to 10 turns
- High force, positive brake

BOURNS

Models CT23/CT26

Bourns® Turns-Counting Dials

Mechanical and Physical Characteristics

Number of Turns	0 to 10
Readability	Within 1/500 of a turn
Weight	Approximately 1 1/8 oz.
Markings	White on black background
Accepts Shaft Diameter	1/4"
Locking Brake	Positive, friction

Shaft and Bushing Requirements

Shaft Extension Beyond Face of Locator Plate	0.435 in. minimum
	0.640 in. maximum
Bushing Extension Beyond Face of Locator Plate	0.158 in. maximum

FEATURES

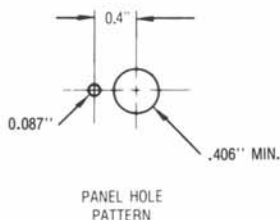
- For use with precision potentiometers or other rotating devices up to 10 turns
- Simplified mounting
- High quality, rugged construction throughout
- No backlash - mounted directly to potentiometer shaft
- White digits on black counter wheels for maximum readability
- High force, positive brake

Bourns® Model CT-23, front of panel mounting, digital turns-counting dial saves valuable internal space. Highly accurate, it will enhance the man/machine interface of any control panel. Easy to read white on black numerals provide excellent legibility and accurate readings within 1/500 of a turn.

Bourns® Model CT-26 recessed mounting digital turns-counting dial, counterpart to the Bourns Model CT-23, provides a lower panel profile. The design simplifies installation requiring only one panel hole. The CT-26 maintains the same high level of symmetry, legibility and accuracy of its counterpart.

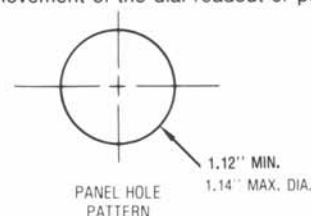
CT-23 MOUNTING INSTRUCTIONS

1. Drill or punch panel. See suggested hole pattern below.
2. Insert potentiometer in panel.
3. Position locator plate against panel and secure with hex nut making sure that anti-rotation tang is in the small hole.
4. Turn the potentiometer shaft counterclockwise to obtain minimum resistance or voltage ratio (not necessarily at the end of travel).
5. Loosen setscrew in knob with allen wrench. Set the dial readout to "000."
6. Slip the dial carefully over the potentiometer shaft. Tighten the setscrew without causing movement of the dial readout or potentiometer shaft.

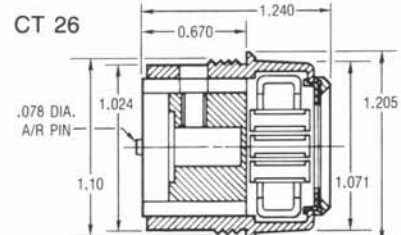
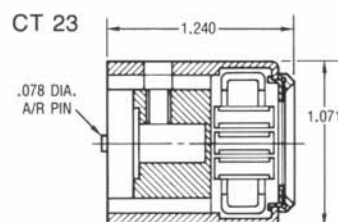


CT-26 MOUNTING INSTRUCTIONS

1. Drill or punch panel. See suggested hole pattern below.
2. Insert turns-counting dial in panel cutout and secure with mounting nut.
3. Secure locator plate to potentiometer bushing using two hex nuts.
4. Turn the potentiometer shaft counterclockwise to obtain minimum resistance or voltage ratio (not necessarily at the end of travel).
5. Loosen setscrew in turns-counting dial with allen wrench. Set the dial readout to "000."
6. Slip the potentiometer shaft into the turns-counting dial, insuring that the notch in the locator plate is over the pin at the rear of the dial. Tighten the setscrew without causing movement of the dial readout or potentiometer shaft.



Dimensional Drawings





Features

■ High force, positive brake

- 27mm and 28mm diameter
- 10 turns
- No backlash - mounted directly to potentiometer shaft
- For use with precision potentiometers or other rotating devices up to 10 turns

CT-23/CT-26 Turns-Counting Dial

Mechanical and Physical Characteristics

Number of Turns.....	0 to 10
Readability	Within 1/500 of a turn
Weight	34 grams
Markings.....	White on black background
Accepts Shaft Diameter.....	See below
Locking Brake.....	Positive, friction

Shaft and Bushing Requirements

Shaft Extension Beyond Face of Locator Plate.....	11.05mm minimum 16.25mm maximum
Bushing Extension Beyond Face of Locator Plate.....	4.00mm maximum

FEATURES

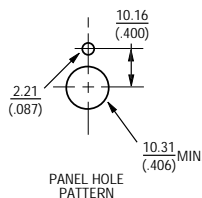
- For use with precision potentiometers or other rotating devices up to 10 turns
- Simplified mounting
- High quality, rugged construction throughout
- No backlash - mounted directly to potentiometer shaft
- White digits on black counter wheels for maximum readability
- High force, positive brake

Bourns® Model CT-23, front of panel mounting, digital turns-counting dial saves valuable internal space. Highly accurate, it will enhance the man/machine interface of any control panel. Easy to read white on black numerals provide excellent legibility and accurate readings within 1/500 of a turn.

Bourns® Model CT-26 recessed mounting digital turns-counting dial, counterpart to the Bourns Model CT-23, provides a lower panel profile. The design simplifies installation requiring only one panel hole. The CT-26 maintains the same high level of symmetry, legibility and accuracy of its counterpart.

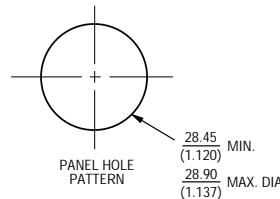
CT-23 MOUNTING INSTRUCTIONS

1. Drill or punch panel. See suggested hole pattern below.
2. Insert potentiometer in panel.
3. Mount potentiometer in panel with nut and lockwasher supplied with the potentiometer.
4. Turn the potentiometer shaft counterclockwise to obtain minimum resistance or voltage ratio (not necessarily at the end of travel).
5. Loosen setscrew in knob with allen wrench. Set the dial readout to "000."
6. Slip the dial carefully over the potentiometer shaft. Tighten the setscrew without causing movement of the dial readout or potentiometer shaft.

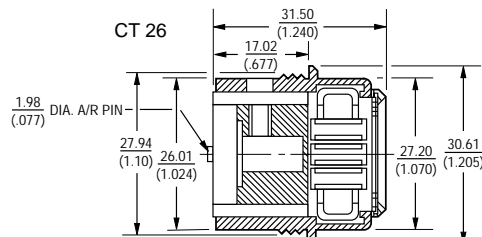
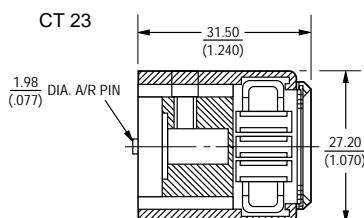


CT-26 MOUNTING INSTRUCTIONS

1. Drill or punch panel. See suggested hole pattern below.
2. Insert turns-counting dial in panel cutout and secure with mounting nut.
3. Secure locator plate to potentiometer bushing using two hex nuts.
4. Turn the potentiometer shaft counterclockwise to obtain minimum resistance or voltage ratio (not necessarily at the end of travel).
5. Loosen setscrew in turns-counting dial with allen wrench. Set the dial readout to "000."
6. Slip the potentiometer shaft into the turns-counting dial, insuring that the notch in the locator plate is over the pin at the rear of the dial. Tighten the setscrew without causing movement of the dial readout or potentiometer shaft.



Dimensional Drawings



Shaft Diameter

Part Number	Accepts Shaft Diameter
CT-23-6A	6.35mm (.250)
CT-23-6M	6mm
CT-26-6A	6.35mm (.250)
CT-26-6M	6mm

Dimensions are $\frac{\text{mm}}{\text{(inches)}}$