



## Features

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



These dials are currently available but not recommended for new designs.

- High force, positive brake
- RoHS compliant\*

## CT-23/CT-26 Turns-Counting Dial

### Mechanical and Physical Characteristics

Number of Turns .....	0 to 10
Readability - Over 10 Turns .....	Within 1/500 of a turn
Torque with Brake Engaged .....	9.88 N-cm (14.0 oz.-in.) maximum
Markings .....	White on black background
Locking Brake .....	Yes, Positive, friction
Weight .....	34 grams (1.2 oz.)
Set Screw .....	ISO M3x 0.35, one included
Set Screw Tightening Torque .....	16.94 N-cm (1.5 lbs.-in.) minimum
Hex Key Size .....	1.5 mm hex

### Shaft and Bushing Requirements

Shaft Diameter Requirements .....	Refer to chart below
Shaft Extension Beyond Face of Locator Plate .....	11.05 mm (0.43 in.) minimum
	16.25 mm (0.63 in.) maximum
Bushing Extension Beyond Face of Locator Plate .....	4.00 mm (0.15 in.) maximum

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.

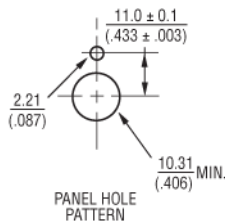
### CT-23 MOUNTING INSTRUCTIONS

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 set screw in knob with allen wrench. Set the dial readout to "000."
6. Slip the dial carefully over the potentiometer shaft. Tighten the set screw without causing movement of the dial readout or potentiometer shaft.

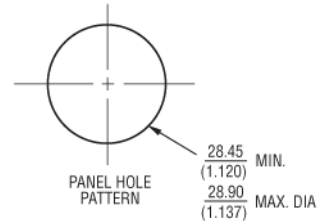
### CT-26 MOUNTING INSTRUCTIONS

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 set screw 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 set screw without causing movement of the dial readout or potentiometer shaft.

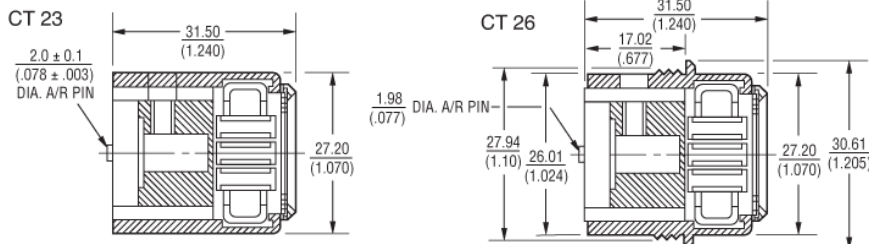
For mounting, the maximum recommended panel thickness is 1/8" (3.1 mm).



DIMENSIONS:  $\frac{\text{MM}}{\text{(INCHES)}}$



### Dimensional Drawings



### How To Order

Part Number	Accepts Shaft Diameter	Finish
CT-23-6A	6.35 mm (.250)	Black
CT-23-6M	6 mm (.236)	Knurl with
CT-26-6A	6.35 mm (.250)	Satin
CT-26-6M	6 mm (.236)	Chrome Face

REV. 01/15

\*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.

Users should verify actual device performance in their specific applications.

# AMEYA360

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