

7458, 7459, 7460, 7461 Series Small Square Case Counters

A very popular family of flange mount case, 5-figure nonreset totalizers. All models feature a scratch resistant front crystal, smooth low torque operation, and dust resistant construction.

These counters are compact non-reset counters available with ratchet drive, revolution drive, direct drive or rotary ratchet drive. All these technologies are in the same miniature form factor and can fit in a 1" cube exclusive of flanges. Can be clipped in or clamped to eliminate the need for mounting provisions/flanges.

Models are available with input shaft drives which count from a ratcheting motion, or rotary drives with count per revolution ratios of 1:1, 10:1, or 1:10.



- Precision design provides smooth operation and long service life
- Easy to see display – High contrast white-on-black figures
- Scratch resistant front crystal
- Stainless steel drive shaft; Tough molded case and internal parts
- Lubrication never required
- Compact and lightweight
- Wide temperature range, -40° to +160°F (-40° to +57°C)



TIME



COUNT



MEASURE

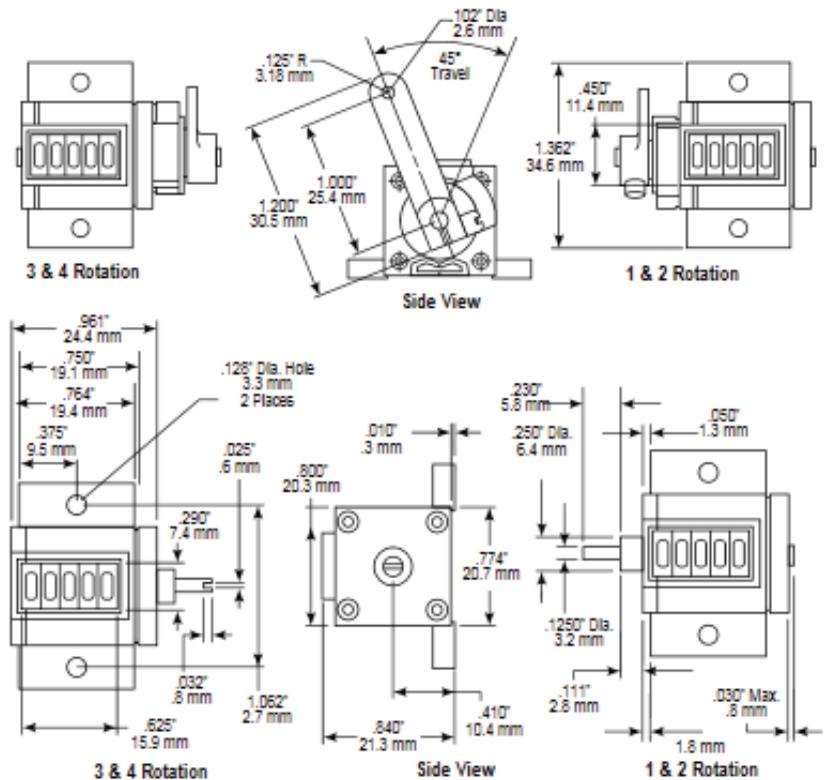
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DISPLAY

SPECIFICATIONS

	Direct Drive (7458 Series) adds ten counts for each drive shaft revolution; Subtracts for opposite rotation
	Revolution Drive (7459 Series) adds one count for each drive shaft revolution; Subtracts for opposite rotation
DRIVE RATIOS	Ratchet Drive (7460 Series) with stops, adds one count for each drive actuation through arc of 40° minimum; Maximum travel limited to arc of 45°; Integral return spring
	Rotary Ratchet Drive (7461 Series) adds one count for each drive shaft actuation through arc of 40° minimum, 60° maximum; May be used as direct drive adding ten counts for each drive shaft revolution; Will not subtract in opposite direction
COUNT SPEED	Direct Drive (7458 Series): 500 rpm Revolution Drive (7459 Series): 1000 rpm Ratchet Drive (7460 Series)(harmonic motion): 1000 cpm Rotary Ratchet Drive (7461 Series) (harmonic motion): 1000 cpm
TORQUE	Direct Drive: 0.25 Revolution Drive: 0.5 Ratchet Drive: 6 Rotary Ratchet Drive: 1.0
NUMBER OF FIGURES	5
SIZE OF FIGURES	0.170" (4.3 mm) high x 0.087" (2.2 mm) wide
COLOR OF FIGURES	White on Black
LUBRICATION	Not required
AMBIENT TEMPERATURE	-40° to +160°F (-40° to +57°C)
CONSTRUCTION	Case, pinions, wheels: Acetal resin Drive shaft, washer: Stainless steel
WEIGHT	0.49 oz.

DIMENSIONS



ORDERING INFORMATION

Standard Models

0745815-001 Direct Drive
0745915-001 Revolution Drive
0746015-001 Ratchet Drive
0746115-001 Rotary Ratchet Drive

0745825-001 Direct Drive
0745925-001 Revolution Drive
0746025-001 Ratchet Drive

0745825-001 Direct Drive
0745925-001 Revolution Drive
0746025-001 Ratchet Drive

0745825-001 Direct Drive
0745925-001 Revolution Drive
0746025-001 Ratchet Drive

Special Variations Available. Please consult factory.

ROTATION DIAGRAM

Denoted by 6th number in item number.

