

The Series DT-601CG counter is fully programmable, bi-directional and features an automatic multiplier, allowing the unit to count up or down. This model can be used as a "batch" counter/controller to count and display groups of articles such as cartons, cans, bottles etc. as well as allow adjustment factor for linear units totalization.

The DT-601CG comes standard with NPN input for connection with compatible NPN sensors. The DT-601CG provides power output to the sensors, eliminating the need for a separate power supply. NPN and photo relay alarm outputs are also standard.



Features

- *Bi-directional and batch counting capability eliminates need for multiple counters. One unit does it all.*
- *Expansive counting range (-999,999 to +999,999) enables usage in a variety of applications, ideal for fast moving part counting*
- *Fully scalable. Can convert process values to linear units*
- *Provides DC voltage to power various sensors; reduces cost by eliminating separate power supply*
- *Accepts a wide range of input voltages; eliminates need to stock dual units and/or additional transformers*
- *Counting process can be viewed easily from a distance with the large 6 digit LED display*
- *Selectable decimal point provides very high resolution, up to 1000th of a digit*
- *Memory backup saves time during a power failure (important setups are retained in memory)*
- *Auto or manual reset allows user to operate or the control to operate a reset*

DT-601CG Specifications

Counter Type	Bi-directional, batch
Display Range	-999,999 - +999,999
Resolution	0, 0.0, 0.00, 0.000 (selectable)
Display	6 digit, LED, 0.56" high (14.2 mm)
Input	NPN open collector pulse input
Output	2 NPN outputs, 2 photo MOS relay outputs
Input Signal Characteristics	10 milliamp minimum or dry contact
Sensor Power Supply	12 VDC (100mA max.)
Power Requirement	85 - 264 VAC, 50/60 Hz
Power Consumption	2 W
Ambient Temperature	32-113°F (0-45°C)
Product Weight	0.55 lb (250 g)
Package Weight	1.05 lb (476 g)
Dimensions	3.46 x 3.78" x 1.89" (88 x 96 x 48 mm)
Warranty	2-Year
Included Accessories	Mounting brackets (attached to unit), rubber gasket, sticker sheet with units of measure

Ordering Details

DT-601CG	Panel Mount Counter Display with NPN input, alarm NPN/relay outputs, 100-240 VAC Power
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Accessories

Proximity Sensors	BI2-S12	NPN (NO) sinking output 1.5 kHz frequency, LED indication, 6.5' (2 m) cable, 0.08" (2 mm) sensing distance, NEMA 6 (IP67) rating
	MCS-3109	NPN (NO,NC) output, 300 Hz frequency, 0.32" (8 mm) sensing distance, 6.5' (2 m) cable, NEMA 6 (IP67) rating, for use in high vibration areas
Retro-Reflective Photo Sensors	MCS-625	Photo sensor with NPN sinking output, 250 Hz activating frequency, 10' (3 m) cable 1" to 3' (25 to 914 mm) operating range
	MCS-655	Photo sensor with NPN sinking output, 333 Hz activating frequency, LED status, 10' (3 m) cable, NEMA 4 (IP65), 1" to 3' (25 to 914 mm) operating range for light or dark activation.
	LS-S50MLR	Laser sensor with NPN/PNP (NO,NC) outputs, 1.5 kHz frequency, LED indication, 6' (1.8 m) with quick disconnect connection, NEMA 6 (IP67) rating

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