



S660 Preset Totalizer Counter



- Easily programmed from the front panel
- Remote reset capability
- Input variety: Quadrature, Switch, TTL, CMOS, NAMUR, PNP, NPN
- Software functions include:
 - Password Set Point Programming
 - Display Scaling
 - Decimal Point Selection
- 5 amp relay outputs
- Optional 12DCV Excitation

The S660 is a versatile totalizing counter that can be adapted to a wide variety of counting, measuring and controlling applications. The control inputs offer several counter operation modes: count/direction, add/add, add/subtract, subtract/subtract, quadrature and reverse quadrature. Optional relay outputs enhance the counter from a passive device to an integral control element for your application.



Panel Cutout Dimensions on page A23

Specifications

DISPLAY

Type	6-digit, 7-segment, red LED
Height	0.56" (14.2mm)
Decimal Point	User-programmable
Count Direction	"+" indication implied, "-" indication displayed
Display Range	-99,999 to +999,999
Output Indicators	1 and 2

POWER REQUIREMENTS

AC Voltages	120, 240VAC, ±10%
Power Consumption	3VA

INPUT RATINGS

Current Sinking	10KΩ 5% Resistor pull-up to (9.0 - 16DCV) ±10%
Current Sourcing	5.1KΩ 5% Resistor pull-down to common
Minimum Pulse Width	~5μs

Low Pass Filter

Low Bias	<200Hz
High Bias	VLT = 1.6V ±10% VUT = 3.6V ±10%
Count Rate	VLT = 5.0V ±10% VUT = 7.0V ±10%
Maximum Voltage Input	20KHz (Pulse Max) 5KHz (Quadrature X4 Max)
A, B, and User	30DCV (Max)

INPUT

User Input	(Display Hold) Display is frozen when the User Input is pulled low.
Standard Input	VLT ≤ 0.2DCV guaranteed low, VUT = 3.0DCV (max)
Quadrature Input	VLT ≤ 0.9DCV VUT = 3.15DCV (max)

ENVIRONMENTAL

Operating Temp.	0°C to +40°C
Storage Temp.	-10°C to +60°C
Relative Humidity	0-80% non-condensing for temperatures less than 32°C, decreasing linearly to 50% at 40°C
Ambient Temperature	25°C
Temp. Coefficient (per °C)	±100ppm/°C
Warmup Time	15 minutes

MECHANICAL

Bezel	3.93" x 2.04" x .52" (99.8mm x 51.8mm x 13.2mm)
Depth	3.24" (82.3mm)
Panel Cutout	3.62" x 1.77" (92mm x 45mm)
Case Material	PBT-ABS
Weight	9oz (255.1g)

Ordering Information

