

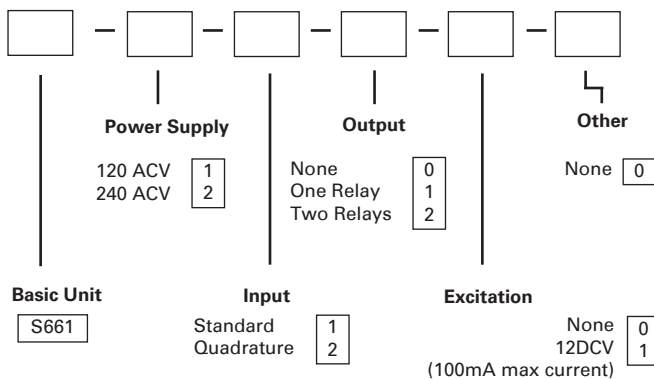
# S661 Preset Rate Counter



- Easily programmed from the front panel
- Remote reset capability
- Input variety: Quadrature, Switch, TTL, CMOS, NAMUR, PNP, NPN
- Software functions include:  

Password	Display Scaling
Set Point Programming	Decimal Point Selection
- Optional 12DCV Excitation

## Ordering Information



## Specifications

<b>DISPLAY</b>	
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
<b>POWER REQUIREMENTS</b>	
AC Voltages	120, 240VAC, ±10%
Power Consumption	3VA
<b>INPUT RATINGS</b>	
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	<200Hz
Low Bias	VLT = 1.6V ±10% VUT = 3.6V ±10%
High Bias	VLT = 5.0V ±10% VUT = 7.0V ±10%
Count Rate	20KHz (Pulse Max) 5KHz (Quadrature X4 Max)
Maximum Voltage Input A, B, and User	30DCV (Max)
<b>INPUT</b>	
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)
<b>ENVIRONMENTAL</b>	
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
<b>MECHANICAL</b>	
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)

Panel Cutout Dimensions on page A23

Mode	Range (implied scale)	Typical Update Period	Min. Input Frequency	Max. Input Frequency	Display Resolution
0	MSec (Hz x 1000)	1.0 sec	1Hz	30KHz	0.001Hz
1	Sec (Hz)	0.5 sec	2Hz	30KHz	1Hz
2	Min (Hz x 60)	3 sec	20 Counts/Min	1.2 Million Counts/Min	1 Pulse per Minute
3	Hr (Hz x 3600)	90 sec	40 Counts/Hr	3.0 Million Counts/Hr	1 Pulse per Hour