

**6 digit supertwist LCD
programmable
2-preset/preset & batch
bi-directional counter
with prescaler and
EEPROM data storage
in an IP65 DIN case**



7921

This versatile counter with prescaling can be configured for quadrature or uni-directional inputs, dual preset or single preset with batch preset. Reset can be automatic, manual or electronic with a sink (NPN) or source (PNP) input.

The display is a supertwist high visibility backlight LCD which can be viewed from any angle. The count is on the main display and the preset value (or batch preset) is on the subsidiary display.

- Simple programming via menu driven display.
- High visibility supertwist LCD display can be viewed from any angle.
- Backlight programmable ON, OFF or AUTO.
- 40 years data retention with no power.
- Two programmable preset points.
- Decimal point can be set up to 3 decimal places.
- Wide range of prescaling.
- 12VDC output to drive a sensor (when AC powered).
- 85-260VAC or 10-30VDC for world-wide use.

- Two output relays with contacts rated at 5A.
- Output relays individually programmable to NO or NC.
- Outputs can be set to latch or set to pulse with individually programmable pulse durations.
- CE approved, UL and cUL pending.

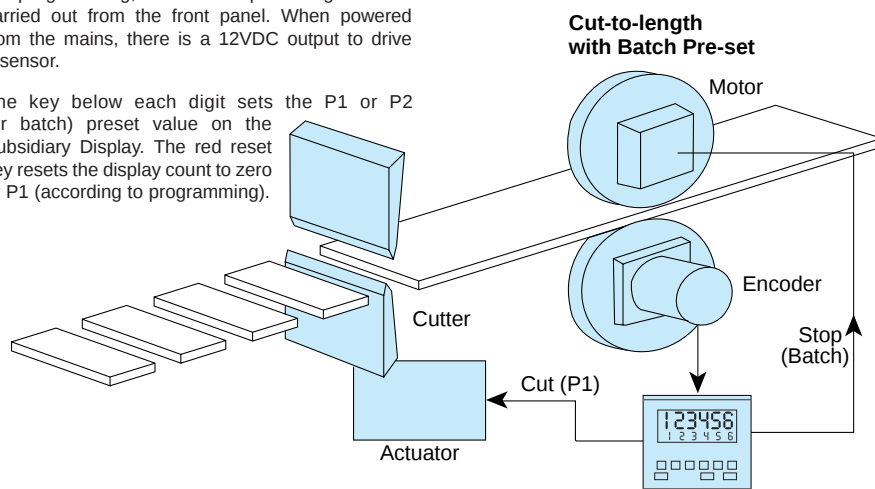
All programming, reset and presetting can be carried out from the front panel. When powered from the mains, there is a 12VDC output to drive a sensor.

The key below each digit sets the P1 or P2 (or batch) preset value on the Subsidiary Display. The red reset key resets the display count to zero or P1 (according to programming).

In normal operation the colon illuminates whenever relay 1 is active. In P2 Set mode the colon illuminates whenever relay 2 is active.

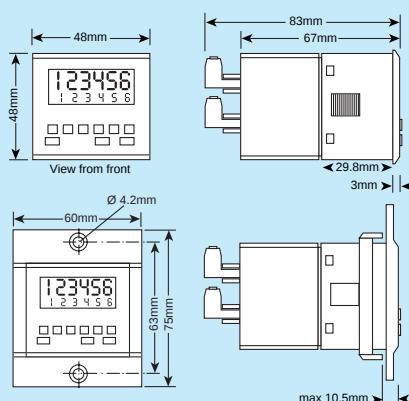
Typical Applications

- *Batch counting and control
- *Coil winding and wire cutting
- *Packing line control



Dimensions

48mm x 48mm (1.89 x 1.89in). 83mm (3.27in) depth incl rear connectors



Specification

Supply Voltage 85 - 265VAC or 10 - 26VDC at 100mA
Auxiliary Output Supply
 12VDC $\pm 10\%$ @ 100mA (when operating from AC supply)
Display 2 rows of 6 digits, supertwist black on silver LCD with yellow/green LED backlight. Upper row 7mm (0.28in) high indicates count, lower row 4mm (0.16in) high indicates P1/P2 preset point. Also Relay 1 Active annunciator
Backlight Control
 Programmable to Always ON, Always OFF or AUTO (ON for 30s following last keypress)
Preset Points
 Two user selectable preset points 1 - 999999
Count Inputs
 Voltage Opto-isolated 10 - 30VDC
 Quadrature and uni-directional
 Input A (quadrature and uni-dir. count) NPN or PNP
 Input B (quadrature and UP/DOWN in uni-dir. mode)
 Maximum input frequency 10kHz
 Duty cycle Maximum 60:40 or 40:60 mark/space ratio
 Prescaler Multiply 0.00001 - 9.99999, default 1.00000
 Divide 1 - 99999, default 00001
Manual Reset
 Can be disabled on installation or remotely

Remote Reset
 Contact closure or pulse (15 ms response time)
Automatic Reset Programmable for automatic or Manual/Remote reset
Data retention
 40 years minimum
Output Relays
Contact Connection
 Both individually programmable as NO or NC SPST
 Contact Rating 5A 260VAC/220VDC 1300VA/150W.
Operating Temp.
 -10 to +60°C
Storage Temp.
 -20°C to +70°C
Environmental Protection
 IP65/NEMA 4 when properly installed using the sealing gasket supplied (without bezel)

Ordering Information

Order by type number:

7921