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 super twist high visibility backlit 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 super twist 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 worldwide use.

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

**Cut-to-length with Batch Pre-set**

- Motor
- Encoder
- Stop (Batch)
- Actuator
- Cutter
- Cut (P1)

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

- 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.

**Specifications**

- Supply Voltage: 85 - 265VAC or 10 - 26VDC at 100mA
- Auxiliary Output Supply: 12VDC +10% @ 100mA (when operating from AC supply)
- Display: 2 rows of 6 digits, super twist 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

**Operation Information**

- 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