

Model 520K - 530K

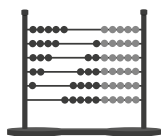
Pulse Counters, Position Displays, Rate Meters, Time Meters & Combinations



CE  RoHS

Key Features

- LED display with very high luminosity
- 0.315" (8mm) digit height
- 6 digit display
- DIN housing, 1.88"x.944" (48x24mm)
- Easy 2 button programming
- Connection with screw terminal
- IP65 NEMA 4X (front)
- NEMA 4X Wall Mount Enclosure (optional)
- Input pulse-shape variable (Schmitt Trigger characteristics)



520K

SIMPLE DISPLAY COUNTER

- Display range 0..999999 with leading zero blanking
- Overflow condition will be indicated by displaying the count value without leading zero blanking
- Count frequency up to 10kHz (can be damped to 30Hz in setup)
- SET-key resets the counter to zero (can be disabled in setup)
- 1 count input
- 1 reset input

Part Number:
520K.2



521K

TOTALIZER & POSITION INDICATOR

- Display range -199999..0..999999 with leading zero blanking
- Overflow condition will be indicated by 1Hz flashing of display
- Count frequency up to 10kHz (can be damped to 30Hz in setup)
- SET-key resets the counter to zero (or selected preset number)
- 2 count inputs
- 1 reset input
- Multiplying factor (0.00001...99.9999)
- Option: optocoupler output if count value ≤ 0
- Counting with direction input, differential counting, counting with phase discriminator (also with pulse doubling)

Part Number:
521K.1 w/optocoupler
521K.2 w/out optocoupler



522K

FREQUENCY METER AND TACHOMETER

- Display range 0..999999 with leading zero blanking
- Indicates rate per sec or min (1/Tau) to 0.1% accuracy
- Overflow condition will be indicated by 1Hz flashing of display
- Input frequency up to 10kHz (can be damped to 30Hz in setup)
- 1 count input
- Operating principle: period duration measurement (average value at higher frequencies)
- Option: optocoupler output if frequency $f=0$ (e.g. no operation indicator)
- Multiplying factor (0.00001...99.9999)

Part Number:
522K.1 w/optocoupler
522K.2 w/out optocoupler

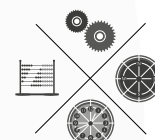


523K

TIME METER

- Display range 0..999999 with leading zero blanking to 0.03% accuracy
- Lowest digit's decimal point flashes when timing
- Timing in s, min, h or h.min.s (programmable) Timing resolution x1, .1, .01, .001, fixed by selected decimal point
- SET-key resets the counter to zero
- Gate, start and stop via 2 inputs (programmable)
- 1 reset input
- Operation mode: Precise timing from hours to 1/1000 sec
- Option: optocoupler output (e.g. Timing indicator, 0.5 sec On/Off)

Part Number:
523K.1 w/optocoupler
523K.2 w/out optocoupler



524K

MULTIPURPOSE DEVICE

- 521K-523K in just one device
- Operation mode can be programmed

Part Number:
524K.1 w/optocoupler
524K.2 w/out optocoupler

525K

ADDING COUNTER AND TACHOMETER

- Display range 0.9999999 with leading zero blanking
- Overflow condition will be indicated by 1 Hz flashing of rate value and leading zeros of totalizer
- Count frequency up to 10 kHz
- Indicates rate / sec or min ($1/\tau$)
- SET-key resets the counter to zero (can be disabled in the setup)
- Key to switch rate / total display
- 1 count input
- 1 reset input
- Separate multiplying factors for totalizer & ratemeter (0.00001...99.9999)
- Operating mode: Ratemeter: $1/\tau$ (average value at higher frequencies)

Part Number:
525K.2

529K/530K

ANALOG DISPLAYS

REPLACED BY 534K.2

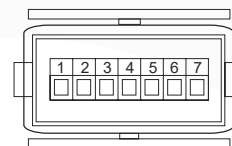
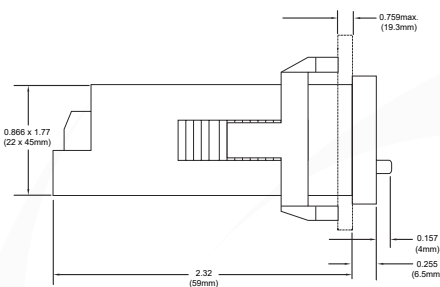
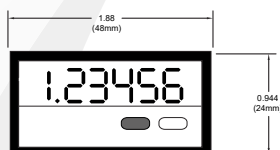
Electrical characteristics:

- Supply Voltage: 10 to 30 VDC
- Data retention: EEPROM (1 million cycles or 10 years)
- Noise immunity acc. to EN 50081-2; EN55011 class B; EN 50082-2
- Ambient temperature: 14°F to 122°F (-10°C to +50°C)
- Input sensitivity: Low: 0 to 1 VDC High: 4 to 30 VDC
- Input resistance: 10 k ohm• Polarity of inputs: programmable for all inputs in common
- Optocoupler: Max 30VDC, 10 mA, 1V drop @ 10 mA

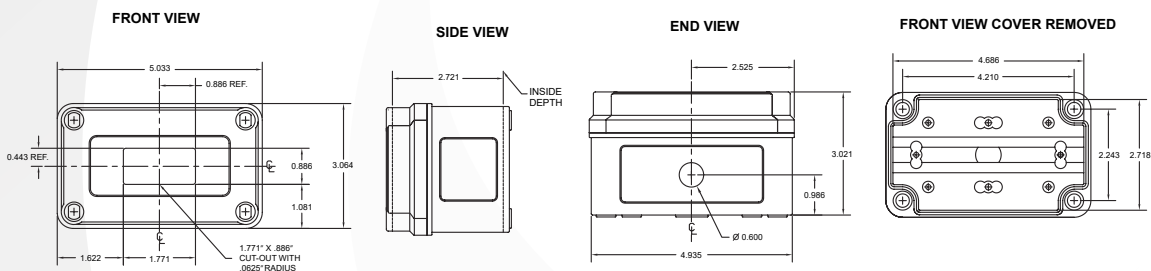
Dimensions

Panel Mount (standard):

Panel Cutout:
0.876" x 1.78" (22.3
x 45.2mm) or 0.99" x
1.97" (25 x 50mm) with
adaptor provided



Wall Mount (optional):



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