



*The simple solution
to complex multi-step
control problems
...16 presets, plus
separate batch control
and totalizing counters*

Applications needing several uniquely spaced punching, drilling, welding, printing, or other operations, are no problem for **MAX** Count 6. Its complement of 16 preset limits can operate several machine control functions by timed actuation, or by turning them on or off at specific count values. A large LED display panel keeps the equipment operator informed, while an RS-485/422 communications port can support two-way data transfer with a computer, or other remote system.

- Bidirectional counting in quadrature, add/subtract, or add/add modes
- Programmable features include calibration factor, and decimal point
- Multi-step 16 preset/6 decade control counter
- Big red LED display – plus illuminated annunciators
- Non-volatile memory of program and preset values
- Selectable count memory – reset or retained after power interruption
- RS-422/485 data allows local printer or remote system interface
- NEMA-4 rated, sealed front panel – tactile response keyboard
- Self diagnostics for inputs, outputs, keyboard, display, and memory

Two versions are available: **MAX** Count 6, for applications requiring up to 16 preset limits to be processed in the order of their absolute value as compared to the counted value, therefore preset limits may be processed out of sequence. **MAX** Count 6S is for applications requiring preset limits to be processed in ascending sequential order, with preset limit 1 controlling the process until the counted value equals its value, then preset limit 2 controls the process, and so on.

SPECIFICATIONS

Input Power: Selectable, 100 to 130 VAC or 200 to 260 VAC, 50/60 Hz, 20 VA (12 VDC @ 0.3 A optional).

Accessory Power: DC output provided for transducer, 12 VDC $\pm 5\%$, 175 mA maximum

Display: 0.6" (15.2 mm) red LED, 8 annunciators

Decimal Point: Selectable decimal point (XX.X.X.X.X.)

Keyboard: Sealed, 16 tactile response keys

Input Modes: Add/subtract, add/add, quadrature

Input Logic: X1, X2, X4 (X4, quadrature only)

Count Rate: X1 Logic = 20 kHz; X2 Logic = 10 kHz; X4 Logic = 5 kHz

Input A & B Signal: Contact Closure (25 Hz, maximum) or sourcing 3.5 to 15 VDC

Calibration: Scaling common to inputs A and B; Range: 0.0001 to 9.9999

Preset Limits: 16 individual; each allows preset to any 6 digit value

Main Counter Capacity: 6 decades

Main Counter Modes: Up Mode: Resets to zero; Down Mode: Resets to start count preset value

Secondary Counters: 6 decade single preset batch counter, 6 decade background totalizer

Control Inputs: Reset and stop count/hold (commands initiated when switched to common)

Control Outputs: 8 open collector NPN, 28 VDC/100 ma

Reset: Front panel pushbutton, remote, automatic

Security: Selectable locks for reset, preset, and program mode

Diagnostics: Tests signal and control inputs, outputs, keyboard, display

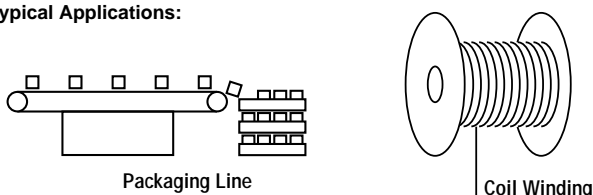
Communications: RS-422/485; ASCII; 300, 600, 1200, 2400 baud

Operating Temperature: +32° to +122°F (0 to +50°C)

Weight: 2.2 lbs. (997.9 g)

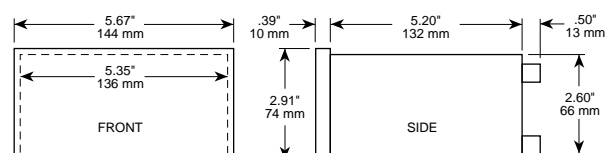
Model No.	Description
MC600S00	MAX Count 6, Standard Model, AC Powered
MC600D00	MAX Count 6, Standard Model, DC Powered
MC60SS00	MAX Count 6, Sequential Model, AC Powered
MC60SD00	MAX Count 6, Sequential Model, DC Powered

Typical Applications:



Ideal for coil winding, heat treating, packaging machinery, position controls.

Dimensions:



Panel Dims: Cutout: 2.68" x 5.43". Thickness: 1/16" to 1/4". Depth: 5.68" min.