



A powerful multi-step sequential controller . . . manages complex positioning and processing tasks – by count or time

The Production Programmer's extensive instruction set and flexible configuration easily adapts to many manufacturing and process industry applications. It stores up to 50 sequential preset count and/or timing steps which control as many as 16 external circuits. In addition, a number of unique operating sequences can be maintained in its program "library", ready to be effortlessly called to action by a few quick keystrokes. This feature can save hours of set-up and reprogramming, as required with other multi-step controllers.

- Counting steps have 6 decade capacities
- Nonvolatile memory protects program and counted data
- Bidirectional or unidirectional count input with calibration factor
- Timing steps duration from 0000.01 second, to 9999.99 minutes
- 16 outputs with programmable assignment to any step
- Output logic includes LATCH, TOGGLE, or MOMENTARY
- Instruction set includes repeat loops, and nested loops
- Program "library" allows flexible assignment of steps per program
- Auxiliary DC power output of 12 volts, 500 mA – filtered and regulated
- Security lock restricts access to program content, and panel controls

Many applications using mechanical cam-timers, or limit switch sensing of position, are plagued with slow, tedious setup. The Series 79201 can replace these devices and provide fast, easy programmable adjustment of process variables.

For production monitor features, see Series 7935, SFC40
For related products, see Series 7920, MAX Count 6

SPECIFICATIONS

Display: 0.43" high red LEDs; 6-digit data display and 2-digit identification display are used in conjunction with keyboard for all operating and programming functions

Counting Functions: Preset: Program steps assigned as presets compare the content of the 79201's 6-decade counting register with the step's entered operating value; when count becomes equal to or greater than the operating value, the step's output function will be performed and

program progresses to next step; instruction codes provide the flexibility for automatic reset or non-reset of the counting register at completion of step; Prewarn: Provides an early-warning output prior to any individual preset step's output

Count Input: Programmable via internal switches for operation in unidirectional input modes; Maximum Count Speed: 10 kHz, 40 Hz typical when internal switch-contact bounce filter is used; Prescaling Factor: Multiplication factor of 0.00024 to 10.00000 may be applied for calibrating or correcting count input signal

Timing Functions: Program steps assigned as timers provide an output during timing duration (interval) or after timing duration (delay)

Timer Resolution: Each step is individually programmable for resolution of XXXX.XX seconds or XXXX.XX minutes

Output Channels: 16 open collector NPN transistors, normally OFF; rated for 24 VDC and 150 mA maximum

Output Functions: Latch: Output turns ON until unlatch or toggle instruction is provided by subsequent program step; Unlatch: Turns ON-output OFF; Toggle: Reverses state of output, turns ON-output OFF, OFF-output ON; Momentary (Hold Times): At completion of program step, output turns ON and times for momentary duration; Output Cycle Time: Output(s) will initiate assigned function within 1 ms of program step completion

Security: Provides protection against unauthorized access to program storage and operating controls

Accessory Equipment Power Supply: Regulated 12 VDC provided for operation of external sensor and relays; maximum current demand not to exceed 500 mA

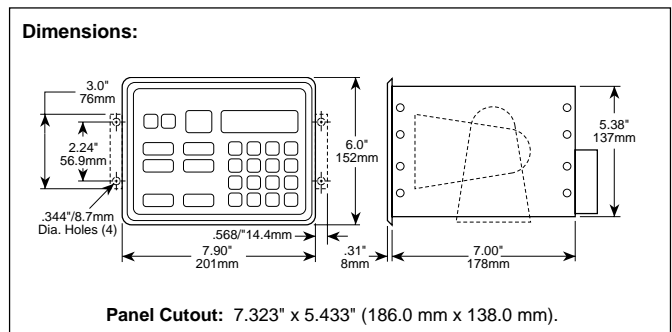
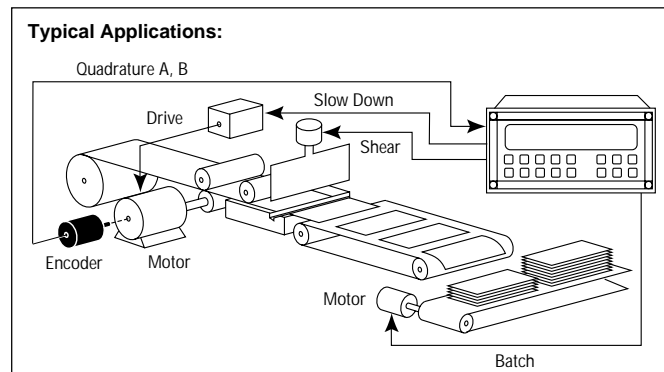
Electrical Connection: Power line via captive 3-wire line cord, 6 feet; input/output and command interface via two 25-pin bulkhead connectors on rear panel; mating connectors provided

Power Requirements: 115 VAC ±10%, 50/60 Hz, 25 watts

Operating Temperature: 32° to 131°F (0° to 55C)

Weight: 7 lbs (3.18 kg)

Model No.	Description
0792016-001	Production Programmer, 115 VAC



7 PRODUCTS