# Programmable Multicontroller

***50 presets with programmable configuration and 16 control outputs . . . exceptional flexibility for drilling, punching, forming and many other applications***

High speed uni- and bidirectional counting, and 50 presets, make difficult application problems easy to solve, without shortcut or compromise. Series 7920, Programmable Multicontroller, will control complex operations with maximum reliability and accuracy. Its full numeric keypad and display prompting allows error-free entry of preset values. A nonvolatile memory stores all program data, and captures count values instantly at loss of AC power.

- 6 decade capacities counter and presets – speed to 10 kHz
- Nonvolatile memory protects program and counted data
- Bidirectional or unidirectional count input with calibration factor
- 50 presets and 16 outputs with programmable assignments
- Prewarn function signal at selected count before any preset
- Two preset processing modes: sequential; ascending
- Lockout function removes or reinstates presets within sequence
- Output logic includes LATCH and MOMENTARY-TIME
- Auxiliary DC power output of 12 volts, 500 mA – filtered and regulated
- Security lock restricts access to program content, and panel controls

Programmable input modes provide add/subtract, count/direction, and quadrature operation with X1, X2, X4 selectable count logic.

**For combined time & count programs, see Series 79201**
**For production monitoring capabilities, see Series 7935**

## SPECIFICATIONS

**Number of Decades:** Counter: 6 decades plus 6 decades each preset register; Batch Counter: 6 decades with preset

**Display:** 0.43" red LEDs; 6-digit count display and 2-digit level display

**Count Input:** Programmable for operation in unidirectional and bidirectional input modes; Maximum Count Speed: 10 kHz, 30 Hz typical when internal switch-contact bounce filter is used

**Preset Levels:** 50 levels standard; presets may be examined without disrupting counting/control process

**Lockout:** Any preset level may be deleted from the operating sequence by means of lockout; preset values for locked out levels retained in memory for subsequent return to sequence

**Prewarn Levels:** One level of common prewarn with equal effect on all active preset levels; individual prewarn levels, each affecting only its assigned preset level may be programmed

**Control Outputs:** 16 open collector NPN transistors, normally off; rated for 24 VDC and 150 milliamps maximum

**Control Output Timing:** Output(s) will actuate within 10 ms of preset coincidence; outputs may be programmed for hold-time of 0.1, 0.2, 0.5, 1, 2, 5, 10 or 20 seconds or for latch

**Panel Reset:** Reset to zero; preset level sequence is returned to level 01 or lowest level which is not in lockout condition; any latched outputs are released at reset

**Remote Reset:** Reset command may be initiated by remote contact closure, pulse or open collector NPN transistor

**Calibrator Factor:** Multiplication factor of 0.00001 to 10.0 may be applied for factoring count input signal

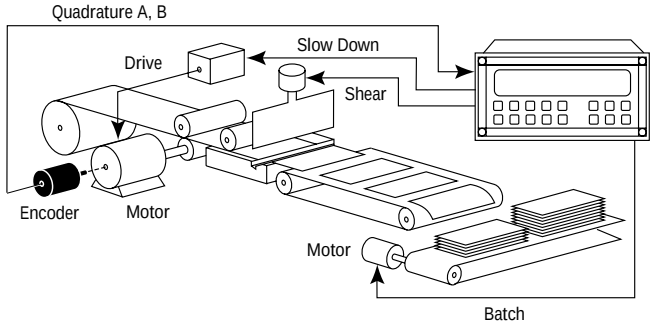
**Accessory Equipment Power Supply:** Regulated 12 VDC provided for operation of external sensor and relays; maximum current demand not to exceed 500 mA

**Power Requirement:** 105 to 120 VAC, 50/60 Hz, 25 watts

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

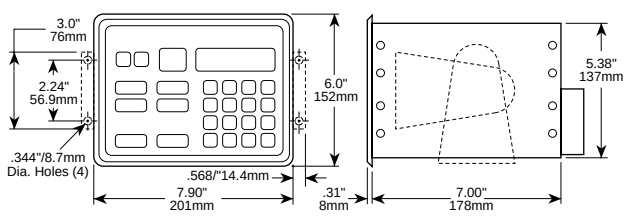
**Mounting:** Panel mount or secured bench mounting using hardware supplied; accommodates up to 0.25" (6.35 mm) panel

**Typical Applications:**




| Model No. | Description |
|---|---|
| **0792006-101** | Programmable Multicontroller, 115 VAC |

**Dimensions:**




**Panel Cutout:** 7.323" x 5.433" (186.0 mm x 138.0 mm).