The 340 is a high performance control computer that combines advanced computer technology with the practical requirements of automatic control. The 340 employs core memory for high speed; for high volume, an auxiliary drum memory is used. As a result, the 340 is a fast and versatile machine, flexible in makeup and field-expandable. And like all Bunker-Ramo computers, the 340 is highly reliable. In short, the 340 provides exceptional computing capability at moderate cost.

**FAST**    Completes typical programs at a rate of over 70,000* operations per second.

**VERSATILE**    Standard features in the 340 include indirect addressing, relative transfer, and operation extension. Relative transfer is a hardware facility that automatically modifies address portions of instructions during drum/core block transfers; with the 340, any program can be transferred to and executed from any location in core memory. Operation extension is an instruction format that allows up to 320 interpretive instructions or subroutines to be executed without housekeeping, as though they were wired-in commands.

**FLEXIBLE**    The range of core and drum memory sizes and the number of inputs and outputs available mean that the 340 can be tailored to the user's application.

**FIELD-EXPANDABLE**    Core memory: to 32,768 words. Auxiliary drum memory: to 98,304 words. Input-output capacity: can be increased at will by addition of modular plug-in units.

**RELIABLE**    Design is based on reliability proved in the field with successful control computer installations, installations that have logged over two million hours of on-line operation with total equipment uptime better than 99 percent.

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*Assumes 50% of 12-microsecond instructions, 35% of 6-microsecond instructions, and 15% of divides, multiplies, and shifts that average 40 microseconds. (The percentage of 6-microsecond instructions will be higher in many programs, since immediate addressing allows a substantial number of operands to be included in instructions, thus eliminating memory access.)
The 340 design is based on experience, the unparalleled experience of the company that has designed and installed more control computer systems than anybody else in the field: The Bunker-Ramo Corporation. This experience is your assurance of control system performance and reliability. For further information concerning Bunker-Ramo computer systems for specific industrial control problems, write to the address listed on back cover of this brochure.