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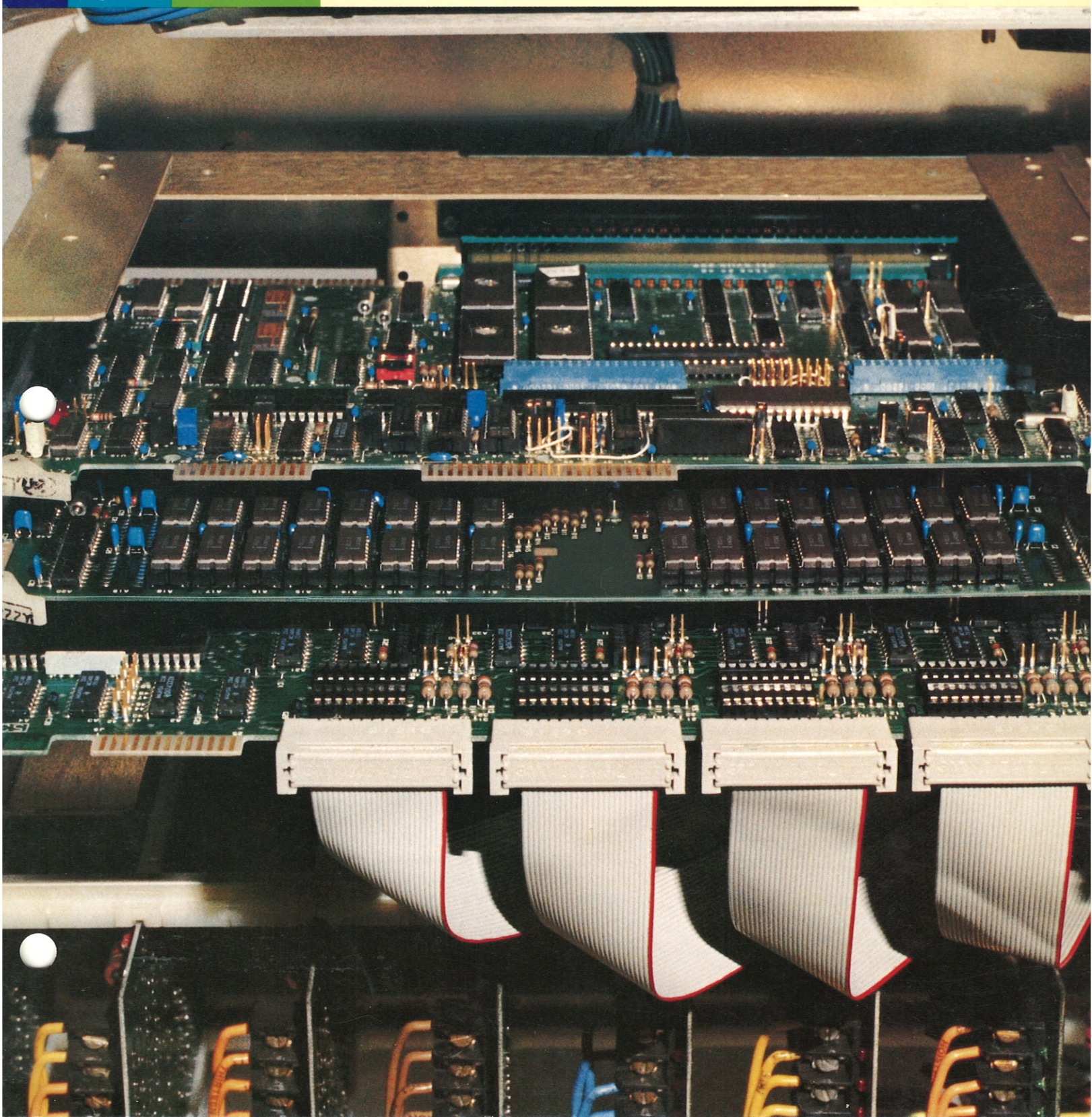
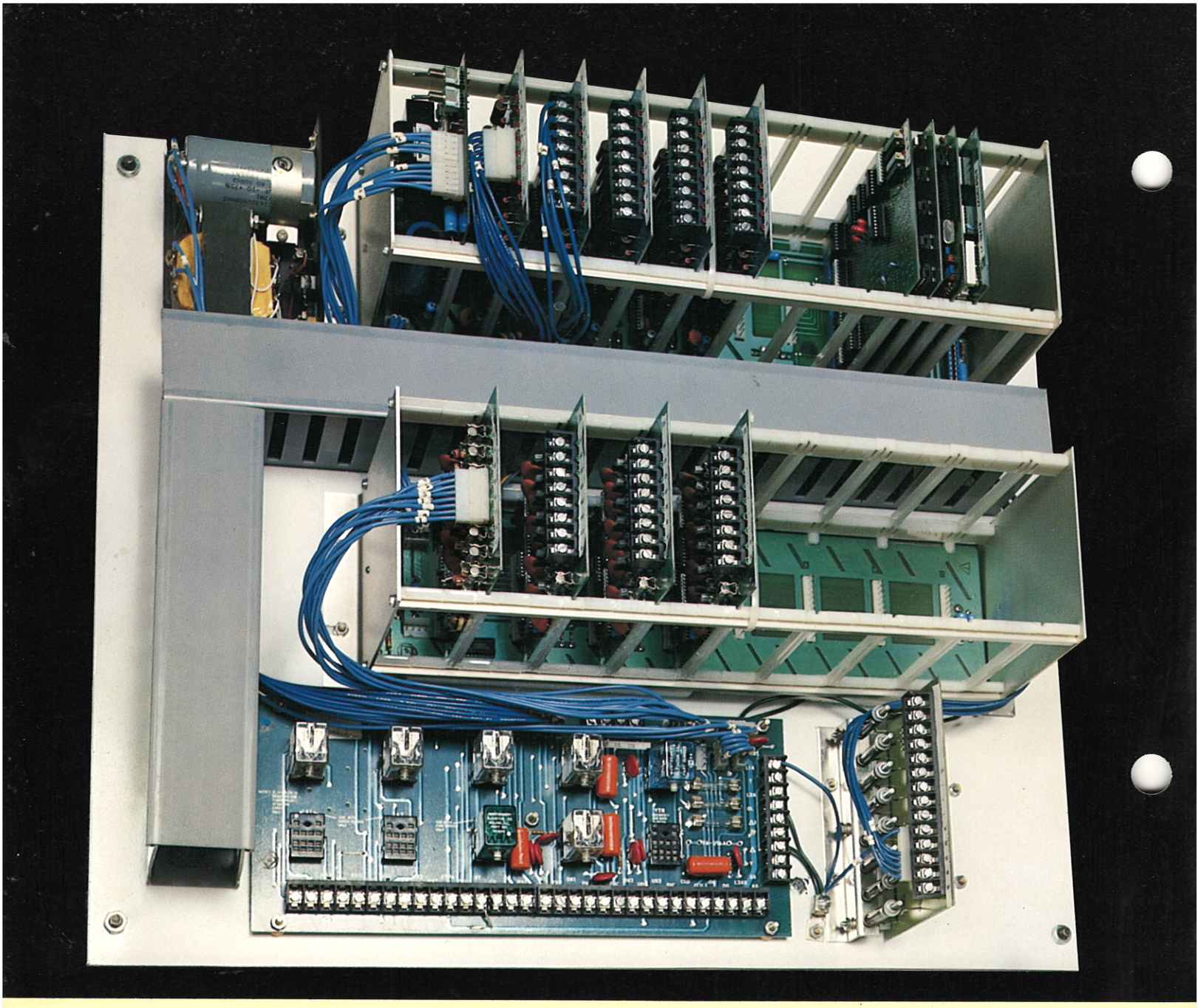
MICROPROCESSOR ELEVATOR LOGIC CONTROL for the Mass Elevator Market





miprom

MICROPROCESSOR ELEVATOR LOGIC CONTROL

MONTGOMERY MIPROM PROVIDES HIGH RELIABILITY, ECONOMY, PROGRAMMABLE FLEXIBILITY — AND IS EASILY MAINTAINED.

MIPROM represents another first by Montgomery which meets the challenge of today's and tomorrow's elevator needs. The system is a product of years of research and development resulting in thousands of proven installations.

Montgomery MIPROM is designed for the mass elevator market and is available through Montgomery's more than 220 sales, service and installation offices throughout North America.

WHAT IS MONTGOMERY MIPROM?

Montgomery MIPROM is a microprocessor elevator logic control for the mass elevator market. The modular design allows flexibility of use for low and medium-rise buildings as well as high-rise buildings.

Montgomery pioneered and developed MIPROM for the mass market to offer a compact electronic elevator logic control having superior reliability, economy, programmable flexibility and ease of maintenance.

Basically, Montgomery MIPROM consists of solid-state electronics housed in a totally enclosed dust-resistant cabinet containing microprocessors which form the logic control of the elevator.

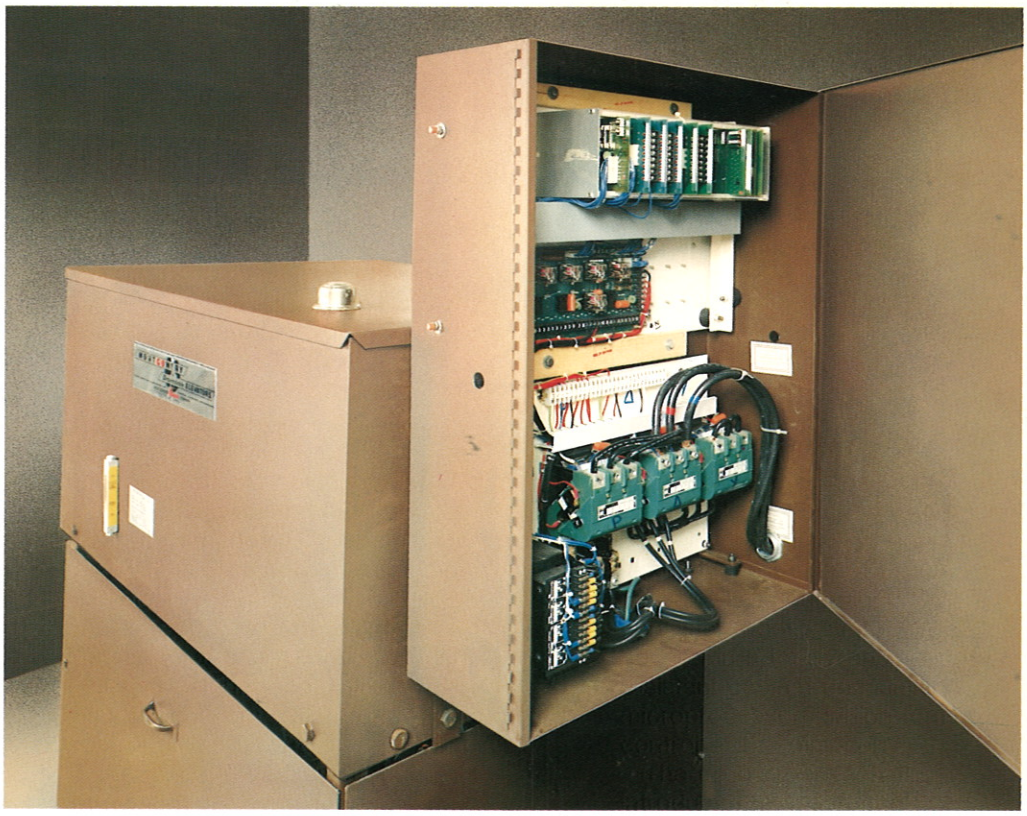
The microprocessor, first introduced in space-age programmable controls and now widely used in industry, is the heart of Montgomery MIPROM. It correlates signals from the elevator and multiple programmable memories, then transmits logic instructions to the elevator.

HOW MONTGOMERY MIPROM WORKS

Montgomery MIPROM elevator logic control uses microprocessors to create computer directing elevator functions. Each microprocessor chip — the size of a fingernail — contains a forest of semi-conductor circuitry.

In operation, MIPROM Logic Control receives signals (input data) from the elevator and processes these data using multiple programmable memories in a Central Processing Unit. It then transmits logic instructions (output) to the elevator.

It is these microprocessors that replace the hard wire (built-in) logic function found in earlier elevator controls. The microprocessors make it possible for Montgomery MIPROM to be mass-produced and programmed electronically, unlike earlier controls individually built for each installation.



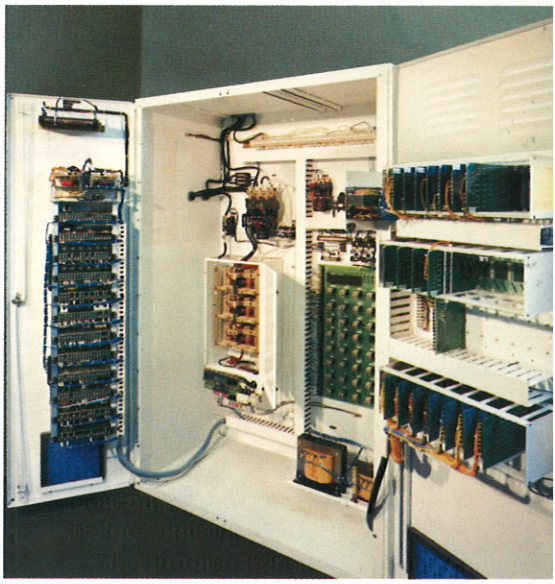
A typical oil hydraulic elevator installation has the MIPROM logic control mounted on the power unit.

SOUND INVESTMENT FOR BUILDING OWNERS

Here are important reasons why Montgomery MIPROM is a sound investment for building owners:

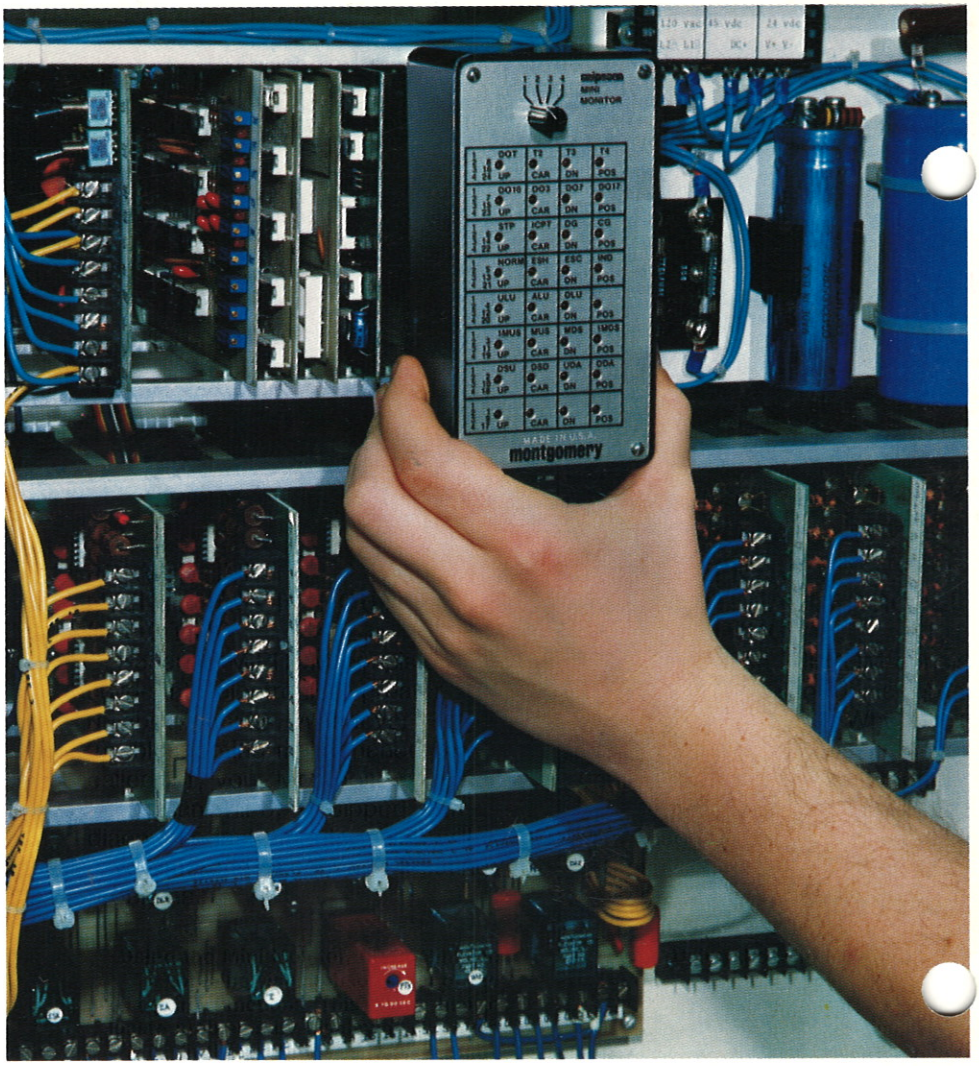
1. **High Reliability.** Electronic solid-state components, tested in environmental extremes, provide the highest possible reliability. In addition, each lead on every circuit board is individually computer-tested before installation.

2. **Programmable Flexibility.** Montgomery MIPROM reprograms for changed building traffic patterns or other building elevator needs merely by exchanging the plug-in memory microprocessors — EPROM (Erasable Programmable Read Only Memory). If future elevator needs change in a building due to modifications in use or tenancy, the reprogramming of the MIPROM computer will produce the desired service.



In traction elevator installations, the MIPROM logic control unit is mounted in the power control cabinet.

3. **Economical.** Montgomery MIPROM costs less to maintain because of design, production standardization, miniaturization (the system requires up to 80% less space than most other elevator logic controls) and high reliability.

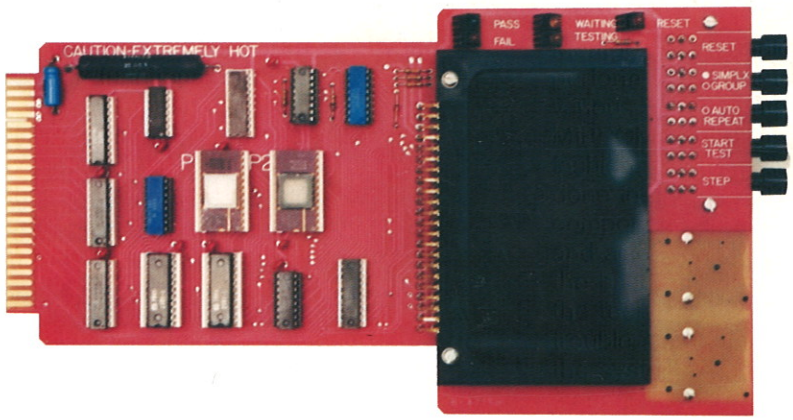


PREVENTIVE MAINTENANCE/TROUBLE-SHOOTING

Because MIPROM consists of solid-state electronics, greater reliability results. Whenever troubleshooting maintenance is called for, your Montgomery technician will be equipped with diagnostic instruments which will save time and expense in locating problems.

Using the Mini Monitor, the technician obtains visual observation of the control functions. This allows him to locate problems by displaying the logic in the system at any given time.

Using the Diagnostic Translating Examiner (DTX) in conjunction with the Mini Monitor, your Montgomery technician can perform functional tests on the various components of the MIPROM controller in a modular fashion. Because the tests are done in-unit, the DTX monitors the components in their environment and also monitors the functions of the base unit. It is designed to aid the technician in pinpointing trouble accurately and restoring the system to normal operating standards.



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ELEVATORS/ESCALATORS
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