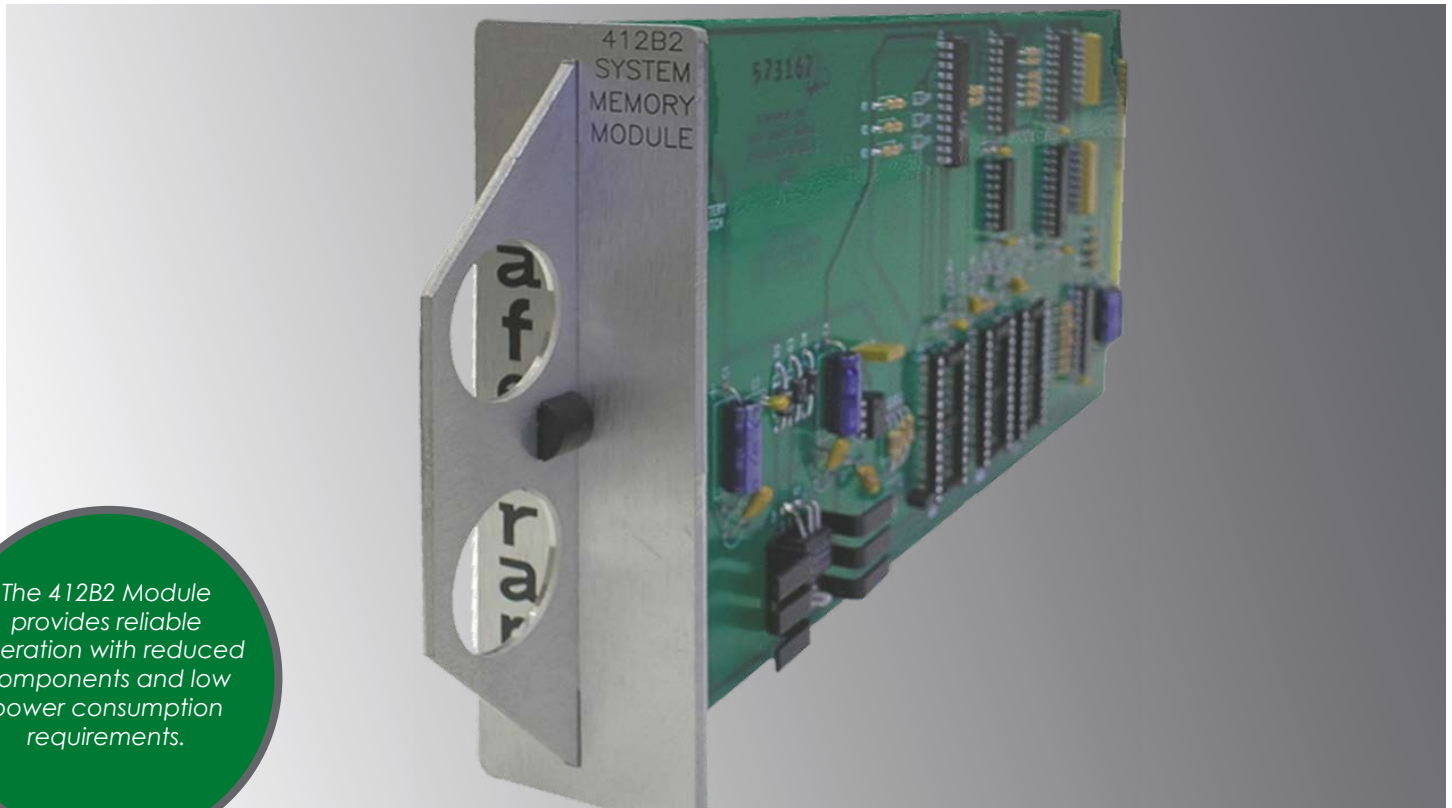


Model 412B2 PROM Module



The 412B2 Module provides reliable operation with reduced components and low power consumption requirements.

About the 412B2 Module

For more than three decades, Safetran (an Econolite Group company) has provided industry leading innovation and service by maintaining a close alignment with its customers. Safetran's customer focus and employee experience in providing traffic management solutions for New York Department of Transportation (NYDOT), California Department of Transportation (CalTrans), Federal Highway Administration (FHWA), and Transportation Electrical Equipment Specifications (TEES) projects and standards is unequalled in the industry.

As a result, Safetran provides an ideal combination of flexibility of open architecture hardware with the power and performance of 2070/170 controller software packages.

At A Glance

- One unit of a family of traffic PROM modules
- Increased reliability and maintenance
- Positive latch to prevent insertion damage
- Low power consumption
- Supports Very-Large-Scale Integration (VLSI) memory devices
- Compatible with most popular software packages

Description

The 412B2 PROM Module is one of a family of PROM Modules manufactured by Safetran. The 412B2 Module provides reliable operation with reduced components and low power consumption requirements. The 412B2 supports 32K EPROM and 32K RAM or NOVRAM while addressing the full 64K range of the 170 controller.

The 412B2 provides several convenient and useful features for 170 users. There is a mechanical device to prevent the insertion of the module upside-down, thus eliminating the risk of damage to the module. There are three sockets that accept up to three 28-pin memory devices. The standard configuration allows for one 27256 EPROM (32K), one 62256 RAM (32K), or one 1235 NOVRAM (32K), and a third memory device to be installed in the last socket when required by software. High Speed CMOS, TTL compatible (HCT) drivers are used in the 412B2 to increase noise immunity. A battery clip and on/off storage switch can be supplied. An optional lithium battery installed in the clip provides extended back-up to on-board RAM.

Applications

The 412B2 can be installed in all 170 controllers and, based on the software requirements, configured to operate with most software packages. The 412B2 PROM Module provides the user with a platform to interchange data and programs.

Basic Specifications

- Memory
 - Total 64K memory map
- Size
 - Fits standard PROM module slot
- Mechanical
 - Mechanical stop supplied to prevent accidental upside-down insertion
- Battery Back-up
 - Battery clip holds one AA cell to provide back-up power to RAM (optional)
- Memory Devices
 - 8K-32K EPROM, RAM, NOVRAM, or EEPROM
- Sockets
 - Three 28-pin sockets
- Configuration
 - Three preset configurations (up to five additional user configurations available)

