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Find the *GE Fanuc IC660CBB903G* at our website: *Click HERE*

BUS CONTROLLER MODULE

The Bus Controller module is the required interface between a Series Six Plus PLC and the Genius I/O blocks when they are included in the PLC's I/O system. The Bus Controller module can be placed in any I/O slot in the CPU or in a high-capacity I/O rack located in a CPU station or Local I/O station up to 2000 feet (600 meters) from the CPU. Multiple Bus Controllers can be placed in one rack. Since each Bus Controller consumes 20 units of load, up to 5 modules can be placed in a CPU rack, or 10 modules in a high capacity I/O rack.

A Bus Controller can be placed in an I/O rack in a Remote I/O station if the CPU scan time is greater than 10 ms. However, because of the reduced capacity of the serial I/O communications link, window commands would not be supported. Each Bus Controller can interface up to 30 Genius I/O blocks to the Series Six Plus CPU by twisted pair communications up to 2000 feet (600 meters). The only limit to the number of Bus Controllers in any one PLC system is the I/O capacity of the Series Six Plus CPU. Each Bus Controller, similar to any I/O module, has access to all I/O references on its I/O chain.

A 4-segment DIP switch located on the module is used to enable channel selection for Expanded I/O addressing. If Normal (non-expanded) addressing is used or if channel selection is made through I/O Transmitter Modules, no switch setting is necessary.

The Genius I/O bus must be terminated at the Bus Controller by its characteristic impedance. The enhanced version Bus Controller provides three selectable on-board impedances, 100Ω, 150Ω, or 750Ω. Three jumpers (JP1, JP2, and JP3) on the module are used to select one of the listed values, or to select no impedance.

Versions of Bus Controller

Two versions of the Bus Controller are available, they are:

1. Catalog Number IC660CBB901 (IC660CBB903 has enhanced features). Interfaces with the Genius I/O blocks and provides normal Genius I/O status information and Hand Held Monitor support. It requires one byte of input address (8 references) for transfer of its status to the CPU.

2. Catalog Number IC660CBB900 (IC660CBB902 has enhanced features). Provides all functions of the IC660CBB901 Bus Controller plus a wide range of diagnostic data and system functions for the entire Genius I/O system. This Bus Controller requires 6 addresses for diagnostic input data (48 references) provided to the CPU and 4 addresses for command output data (32 references) received from the CPU. Addresses are selected by the DIP switches at the rear of each I/O slot.

For detailed information on the Bus Controller modules, refer to the Genius I/O System User's Manual, GEK-90486.

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