This Datasheet for the

IC693BEM321

I/O Link Interface Module (Master)

http://www.qualitrol.com/shop/p-14583-ic693bem321.aspx

Provides the wiring diagrams and installation guidelines for this GE Series 90-30 module.

For further information, please contact Qualitrol Technical Support at

1-800-784-9385

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IC693BEM321 I/O LINK Master Module

The Series 90-30 I/O LINK Master Module (IC693BEM321) allows a Series 90-30 PLC to act as a master on a proprietary Fanuc I/O LINK. The Fanuc I/O LINK is a serial interface which provides high-speed exchange of I/O data between the master and up to 16 slaves. The master can receive 1024 discrete inputs from slaves, and send up to 1024 discrete outputs.
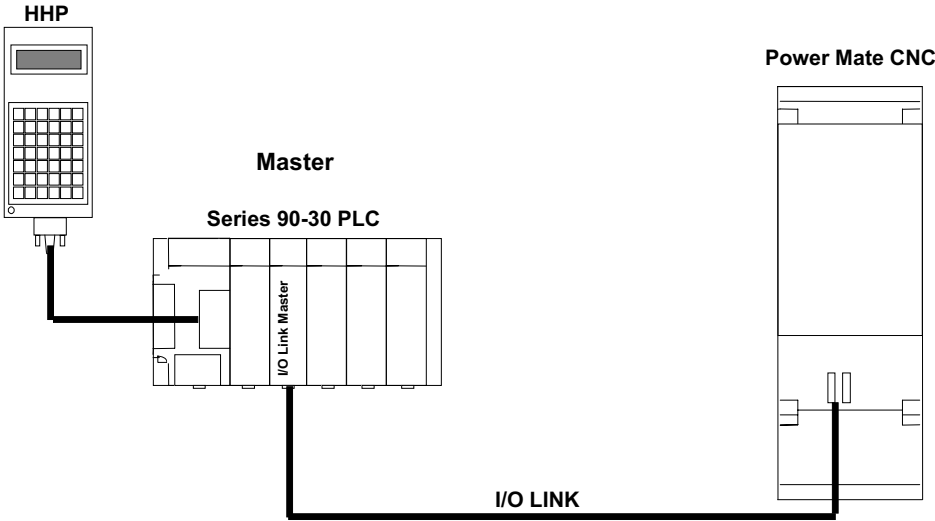

Figure 8-16. Example of I/O LINK Master System Configuration

The illustration above shows a simple I/O LINK system: a Series 90-30 PLC used as a master, a Series 90-30 Hand-held Programmer, an I/O LINK, and one slave. In the illustration, the slave is a Power Mate CNC. Other devices that can be used as slaves include the Series 90-70 PLC, the Series 90-30 PLC, the Fanuc Series 0 CNC, Fanuc Connection Units, and Fanuc Operator Panels.

The module can be configured using a Series 90-30 Hand-held Programmer (HHP) or the configuration software.

Any number of I/O LINK Master Modules can be installed in a Series 90-30 PLC. When there are multiple I/O LINK Master Modules in the same PLC, they must be on separate I/O LINKs. An I/O LINK Master Module can be installed in any I/O slot in any baseplate. The maximum number of I/O LINK Master Modules that can be installed in the CPU baseplate is six,

Restart Pushbutton

The LINK RESTART pushbutton provides a convenient means of restart if a failure occurs. Pushing the Restart pushbutton restarts the operation of the LINK.

Serial Port

The front of the module has one 20-pin, Honda-type connector, used for connection to the first slave on the I/O LINK. Signal levels are RS422/485 compatible.

Compatibility

The Series 90-30 I/O LINK Master Module is compatible with the following devices:

- **Host CPU**
  - Series 90-30 CPU models 311, 313, 321, 323, 331, and 341 release 4.4 or later, and all versions of the CPU models 350, 351, 352, 360, 363, and 364.
  - Series 90-30 Hand-held Programmer (HHP)

- **Programmer**
  - Hand-Held Programmer
  - Logicmaster 90-30 Programming Software Configurator, release 4.5 or later.
  - VersaPro Software.
  - Control programming software, Version 2.0 or later.
  - Logic Developer-PLC software

- **Slave Units**
  - Power Mate models A, C, D, and E
  - Series 0 CNC
  - Fanuc Operator Panel Unit
  - Fanuc Connection Unit 1
  - Fanuc Connection Unit 2
  - Series 90-30 PLC with 90-30 I/O LINK Slave Module
  - Series 90-70 PLCs with 90-70 I/O LINK Interface Module set up as slave

I/O Link Master Module Documentation

For detailed information on this module, refer to GFK-0823, the *Series 90-30 I/O LINK Master Module User's Manual,*