Modbus-Master Integrator
MS-CIGMBM-0

Overview
This is an interface that allows field equipment that adheres to the "Modbus RTU" protocol, acting as slave devices to connect to the Johnson Controls Metasys System. By using the "N2 OPEN" protocol, the interface appears to the users as standard Metasys objects. It is configured with a Windows™ program provided with the interface. This allows the user to specify how the Johnson Controls system will address each Modbus register in the field equipment. Once the mapping is complete, the data is accessible to the full complement of Metasys Facility Management System (FMS) features, including control, change-of-state (COS) monitoring, alarm notification, trend and totalization.

Supported Devices
All field equipment that uses the standard Modbus RTU protocol, and acts as a slave device are supported by this interface. The relevant standard is the Modicon document "Modicon Modbus Protocol Reference Guide", manual PI-MBUS-300, Rev. D. Supported commands are: 01/Read Coil Status, 02/Read Input Status, 03/Read Holding Registers, 04/Read Input Registers, 05/Force Single Coil, and 06/Preset Single Register.

Number of Supported Devices
A maximum of 64 Modbus slave devices may be connected to each interface, each mapped to an N2 device. This is valid in Multi-drop mode (RS-485 or RS-422) to multiple Modbus slave devices, or when using one field device in RS-232 mode that can act as more than one Modbus slave device.

Supported Point Count
A maximum of 1200 points total of the following point types are allowed per interface (Analog Input, Analog Output, Digital Input, Digital Output).

Enclosure
It is housed in a Johnson Controls EN-EWC25-0 enclosure.

Product Code
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For more information on Johnson Controls products and services contact your local Johnson Controls office or call (800) 765-7773.

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