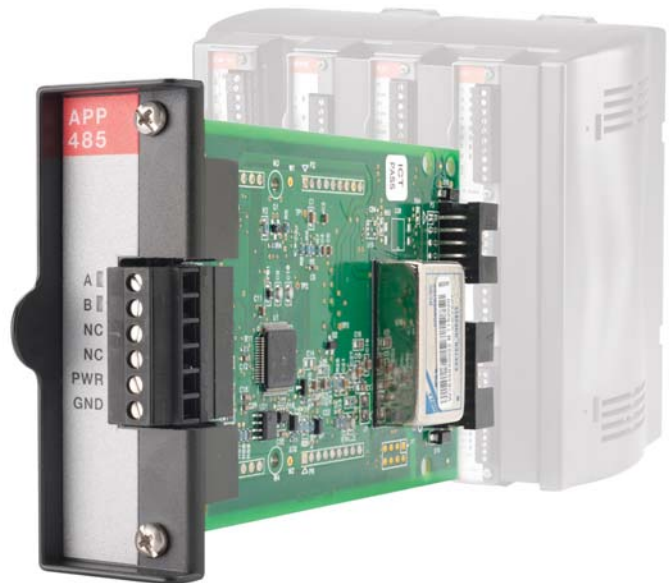# Modbus Express Module

The Modbus Express Module is an application module that delivers reliable configuration, minimal maintenance, and ease of operation. The module provides you with predefined Modbus-to-device mappings for a variety of devices. These mappings streamline and simplify configuration, and eliminate communication errors and device mis-configurations. You don't need to know register addresses; they are preset in the module, and you select devices using familiar tags.

The Modbus Express Module enables you to:

- Configure Modbus device communications, even without expert knowledge
- Select devices from a list of predefined configurations
- Include polling for additional user defined Modbus registers
- Eliminate incorrect configurations
- Communicate through a ROC800-Series RTU or FloBoss™ 107 Flow Manager, using pre-configured Modbus registers
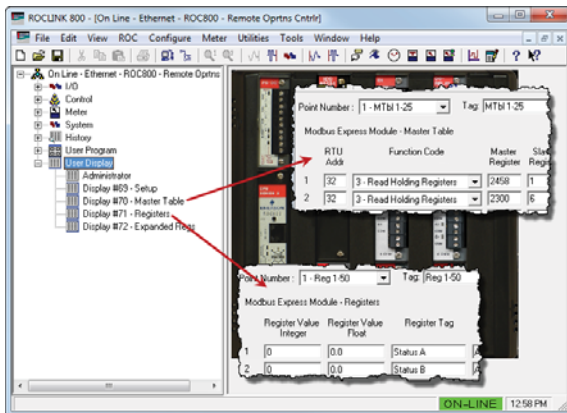
The Modbus Express Module delivers flexibility by plugging into any slot in the ROC800 and/or FloBoss 107. The module uses an innovative set of predefined device mappings to streamline the configuration process. Auto-populating the master table with a common set of registers reduces your effort to simply selecting devices from a menu. You can quickly add devices from a predefined list, and the module appends the master table entries and pertinent registers to the appropriate tables. Additionally, the module has an on-board RS-485 communication port for faster communications.

EMERSON™
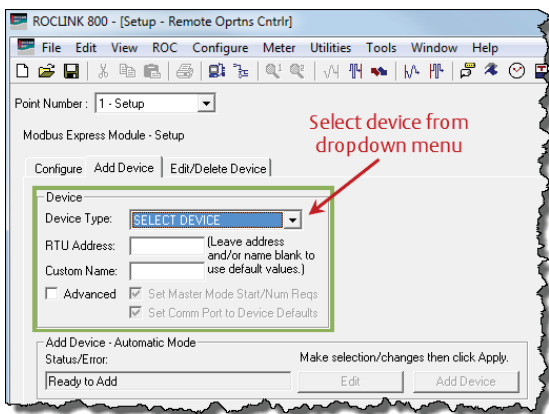Process Management

The Customer Benefit

The module:

- Plugs into any available slot on the ROC800 or FloBoss 107
- Uses an interface to enhance configuration
- Reads/writes published Modbus registers for selected devices
- Enables you to quickly add new devices
- Provides quick configuration with minimal maintenance
- Provides an extra RS-485 communications port
- Auto-populates the master table using a simple menu
- Auto-maps and auto-labels registers in the registers map
- Provides a simplified Modbus interface to various field devices
- Enables you to map extra Modbus registers
- Provides (through expanded registers) alarming, clipping, and overriding of a Modbus value

Configuration Tree

Select Device

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Process Management