c(UL)us Class 1, Division 2, Groups A, B, C, and D Hazardous Locations.

CE

ROCKWELL AUTOMATION
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Honeywell 7800 Communication Module
3150-CBM

The Honeywell 7800 Master module can be found in many industrial sectors, including manufacturing. The module acts as a polling master over the Honeywell 7800 Series of burner management products.

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Honeywell 7800 Communication Module

3150-CBM

The Honeywell 7800 Series Master Module is designed to allow Rockwell Automation SLC platforms to interface with Honeywell 7800 Series Burner Management hardware devices.

Features and Benefits

Through simple ladder logic and data table configuration, the 3150-CBM SLC ladder application is able to access important operational data from the 7800 units for display in the data table. In addition, the ladder is able to write to points in the slave devices.

All module setup and operating control is performed over the backplane and the only software needed is a ladder-programming package.

Hands-Off Operation

After the CBM module has been setup for operation, the module is capable of accessing (read/write) the points in the burner management devices. The CBM module is integrated directly into the SLC rack, forming a tightly integrated and practical solution. After configuration, the module will perform all protocol related functions as commanded by the ladder logic program.

The ProSoft module installs in any slot in a local rack (or a remote rack in the case of the 3100 module).

Functional Specifications

- Two fully configurable serial ports each capable of supporting the CBM Master functionality using the ASCII mode of communications
- RS-485 connection from each port directly to Honeywell QS7850A Interface Modules
- Supports up to 32 Honeywell nodes per serial port
- Supports polling of rpa command accessible data using the integer data type
- Floating point values are scaled x 10 by module
- ASCII text strings are not supported
- Supports one-shoted writes using to wpa/wpqa accessible data from ladder logic
- Up to 40 'device config files' are available for user configuration

- Communication configuration (from processor ladder logic)
    o Node addr8 to 255
    o Baud rate300 TO 38,400
    o Parity none (fixed
    o Stop bit1 (fixed)
    o RTS to TxD50 ms (fixed)
    o Timeout4 seconds (fixed)
    o Mode ASCII (fixed)

- Supported CBM command codes
    o rparead point
    o pqaread point qualified
    o wpawrite point
    o wpqawrite point qualified
    o sn-set address

- Error codes returned to the ladder processor along with a poll execute toggle bit

Hardware Specifications

Specification	Description
Backplane current load	3150 module for SLC
	5V @ 0.15 A, 24 V @ 0.040 A
Operating temperature	0 to 60°C (32 to 140°F)
Storage temperature	40 to 85°C (–40 to 185°F)
Relative humidity	5 to 95% (w/o condensation)
LED indicators	Module Status, Backplane transfer status, Serial port TX/RX activity LED, Serial port error LED status
Application Serial ports	DB-9M 3150 module
	RS-232/422/485 jumper selectable
	RS-422/485 screw termination included (two per module)
	RS-232 hardware handshaking (RTS/CTS, DTR)
	500V Optical isolation from backplane

Additional Products

ProSoft Technology offers a full complement of hardware and software solutions for a wide variety of industrial communication platforms.

Visit our web site at http://www.prosoft-technology.com for a complete list of products.