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FOR IMMEDIATE RELEASE

Moore Industries microNCS® Provides Economical MODBUS RTU Master and Distributed I/O in a Compact Package

NORTH HILLS, CALIF.—The microNCS MODBUS RTU Master and Distributed I/O System from Moore Industries can be used to send just a few, or hundreds of, process signals between the field or factory floor and a control system. Part of Moore Industries' NCS NET Concentrator System® family of intelligent distributed I/O, the microNCS provides MODBUS RTU (RS-485) master capabilities, cost-effective distributed data acquisition and, with expansion I/O, control capabilities.

The stand-alone microNCS functions as an economical MODBUS RTU Master. One or both of the microNCS's MODBUS RTU ports can be configured to poll other MODBUS RTU slaves with all of the network polling functions of a typical MODBUS master. This includes polling of up to 32 (without repeaters) microNCS stations, Moore Industries NCS NET Concentrator System Stations and/or third party MODBUS slave devices per port. The microNCS will handle up to 64 slave devices if both MODBUS RTU ports are used.

The microNCS operates as a real-time signal gateway by "concentrating" data from four or eight fully-isolated analog inputs and four discrete (contact closure) inputs, and then transmitting the data long distances back to one or more host DCS, PLC or PC-based control systems.

In addition to operating in a stand-alone mode, the microNCS integrates with any of the NCS NET Concentrator System's analog, temperature, discrete and relay I/O modules. Using just one microNCS module with expansion I/O, up to 124 signal inputs can be transmitted long distances on one low-cost data link.

The microNCS communicates its data using simultaneous dual MODBUS RTU and Ethernet communications. An industry-standard OPC interface delivers plug-and-play integration with popular PC-based HMI and SCADA software packages. The microNCS also features advanced control and math capabilities using ISaGRAF Control Engine Software from ICS Triplex. Using ISaGRAF technology, the microNCS delivers complex control, such as PID, and other complex math functions.

As with all products in Moore Industries' NCS NET Concentrator System family of distributed I/O, the microNCS is equipped with rugged metal construction that installs in

harsh environments, superior RFI/EMI protection and an industry-best ambient operating range of -40°C to +85°C (-40°F to +185°F).

Additional features include a data logger with a back-up battery that can archive up to 64,000 time and date stamped values, and quick and simple programming. The microNCS sets up with ease using the Internet Explorer web browser. All operating parameters can be selected and set in minutes via the module's Ethernet or dial-up modem port.

Download the microNCS data sheet at:
http://www.miinet.com/products/data_sheets/mncs.pdf.

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