

# PROGRAMMABLE LOGIC CONTROLLER (PLC)

**MICRO-COMM**

## MODEL M550

**FULLY PROGRAMMABLE WITH PLUG-IN MEMORY MODULE**

**MICRO-COMM, MODBUS RTU AND ALLEN-BRADLEY DF1 PROTOCOLS**

**OPTIONAL FRONT PANEL DISPLAY & EXPANDABLE I/O**

**RADIO, PHONE LINE, & FIBER OPTIC COMMUNICATIONS**

**SIMULTANEOUS RTU-RTU & CTU-RTU COMMUNICATIONS**



**T**he M550 PLC is a reliable, full-featured Programmable Logic Controller. It is a “smart” unit providing both programmability and interchangeability through a plug-in memory module. As an integrated component of a Supervisory Control and Data Acquisition System (SCADA), the M550 provides input and output (I/O) monitoring and control with simultaneous “distributed” (RTU to RTU) and “central” (CTU to RTU) type control operations. Its universal communications interface can provide robust control and data transfer via radio, dedicated line, phone line, and fiber optic communication media. The M550 can also be ordered with an Ethernet controller in place of the RS-232 on COM2 (Model M550E).

### APPLICATIONS

Water Distribution Control and Management  
Waste Water Control and Monitoring  
Golf Course Irrigation  
Agricultural Irrigation  
Gas and Oil Monitoring  
Electrical Distribution Monitoring

### FEATURES

#### I/O

- 4 Open Collector Outputs (COM1 radio switching)

#### Communications

- COM1, Radio Port  
25pin Sub-D Male, RS-232 and RF signals
- COM2, Front Panel Display, Programming  
9pin Sub-D Male RS-232 w/flow control lines for data radio or Ethernet (10baseT)
- COM3, RS-485 Expansion I/O or RS-232 w/flow control lines for data radio
- Internal RF MODEM, 0-600 BAUD

#### CPU and Memory

- 32-bit MCU running 16MHz
- 1MB FLASH, Application Program
- 512K RAM, Data
- 1MB Serial FLASH, Configuration

#### Power Source

- 12 VDC Power Input

### ORDER INFORMATION

#### Part #

L52	0-300 baud FSK modem, COM2 RS-232
L52A	600 baud FSK modem, COM2 RS-232
L52E	0-300 baud FSK modem, COM2 Ethernet
L52AE	600 baud FSK Modem, COM2 Ethernet

**Micro-Comm** Automation has been providing process control solutions for more than 30 years.

Call us at **(913) 390-4500** to place your order or to speak to a sales and service representative. Or, visit us online at [www.micro-comm-inc.com](http://www.micro-comm-inc.com)