PROGRAMMABLE LOGIC CONTROLLER (PLC)

MICRO-COMM

MODEL M555

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, ETHERNET & FIBER OPTIC COMMUNICATIONS

SIMULTANEOUS RTU-RTU & CTU-RTU COMMUNICATIONS

The M555 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 M555 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.

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, RS-232, 9pin Sub-D Male
- COM3, RS-485 / RS-232, 9pin Sub-D Male
- COM4, RS-485 / RS-232, 9pin Sub-D Male
- COM5, Ethernet 100baseT
- Internal RF MODEM, 0-600 BAUD

CPU and Memory
- 32-bit MCU running 25MHz
- 1MB FLASH, Application Program
- 1MB RAM, Data
- 9MB Serial FLASH, Configuration

Power Source
- 12 VDC Power Input

ORDER INFORMATION

Part #	
L55	0-300 baud FSK modem
L55A	600 baud FSK modem

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***

M555 PLC

MICRO-COMM

I/O

- 4 Open Collector Outputs, 100mA @ 12VDC (COM1 pins)
  Internal clamping diode to 12V, Used only for antenna switching, not field wire-able
- 2 On-Board Sensor Analog Inputs, 12bit, 0.1% accuracy
  Box Temperature, 0-150°F
  System Voltage, 0-25.5V

CPU AND MEMORY

- 32-bit MCU running 25MHz
- 1MB FLASH, Application Program
- 1MB RAM, Data
- 9MB Serial FLASH, Configuration

COMMUNICATIONS

- COM1, Radio Port
  DB25M, RS-232 and RF signals
- COM2, Front Panel Display, Programming
  DB9M RS-232 w/flow control lines
- COM3, RS-232/RS-485, DB9M
- COM4, RS-232/RS-485, DB9M
- COM5, Ethernet, 100Base-TX, RJ-45
- Plug In RF MODEM
  FSK 0-300, 600, or 1200 BAUD

POWER SOURCE AND SUPPLIES

- Power Supply 12VDC Isolated Source with 8A Fuse,
  Use 14AWG Supply Connections
- Power Input 10.5-15 VDC, 12VDC Nominal, 8.0A
- Quiescent Current 85mA
- COM1 (pins 9,10,11) 10.5-15VDC, 4.0A, Self Resetting Fuse
- COM2 (pin 4) 10.5-15VDC, 2.0A, Self Resetting Fuse
- COM3 (pin 4) 10.5-15VDC, 2.0A, Self Resetting Fuse
- COM4 (pin 4) 10.5-15VDC, 2.0A, Self Resetting Fuse
- The sum of the load currents must be 7.5A or less
- Temperature Range -40 to 50 degC (-40 to 122 degF)
  Surrounding Air Temperature
- Internal Battery Lithium 3V, 1200mAh, 2/3A Size
  (Real-Time Clock and NVRAM)
- Field Wiring - Use Copper Conductors Only, 60°C
  Wire Range, 12-26 AWG
  Wire Strip Length, 0.310"
  Recommended Tightening Torque, 0.79 N-m / 7.0 lb-in.

DIMENSIONS

- Height 6.45"
- Width 4.10"
- Depth 4.80" (with personality module)
- Weight 1.25 lb

ORDER INFORMATION:

L55x

Modem:
L55 - 0-300 baud FSK modem
L55A - 0-600 baud FSK modem
L55B - 1200 baud FSK modem

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