Modbus Master/Slave to DF1 Master/Slave Gateway

5102-MCM4-DFCM4

The ProLinx Modbus Master/Slave to DF1 Master/Slave Gateway creates a powerful connection between Modbus Master/Slave and DF1 Master/Slave networks and devices. This stand-alone DIN-rail mounted protocol gateway provides four serial ports, each individually configurable as a Modbus or DF1 Master or Slave.

The Modbus protocol driver supports Master and Slave implementations of the protocol. All Modbus serial ports are individually configurable, providing a very powerful and flexible host or device interface solution.

The DEM protocol driver is designed to provide a tightly integrated communications interface between other protocols of the ProLinx platform and the Honeywell DE instruments. Compatible DE devices include a large array of field devices including pressure, temperature, metering, and many other instruments.

Features and Benefits	Specifications	Hardware	Downloads	Protocols	Videos
Certifications					

Hardware

Specification	Description
Power Supply	24 VDC nominal 18 to 32 VDC allowed Positive, Negative, GND Terminals 2.5 mm screwdriver blade
Current Load	500 mA max @ 32 VDC max
Operating Temperature	-4° F to 122° F (-20° C to 50° C)
Storage Temperature	-40° F to 185° F (-40° C to 85° C)
Relative Humidity	5% to 95% (with no condensation)
Dimensions	Standard: 5.20 in H x 2.07 in W x 4.52 in D (13.2 cm x 5.25 cm x 11.48

cm)
Extended:
 5.20 in H x 2.73 in W x 4.52 in D
(13.2 cm x 6.934 cm x 11.48 cm)

LED Indicators	Power and Module Status Application Status Serial Port Activity Serial Port Error Status
Configuration Serial Port	DB-9M RS-232 only No hardware handshaking
Ethernet Port (Ethernet modules only)	10Base-T half duplex RJ45 Connector Link and Activity LED indicators Electrical Isolation 1500 V RMS at 50 Hz to 60 Hz for 60 s, applied as specified in section 5.3.2 of IEC 60950: 1991 Ethernet Broadcast Storm Resiliency = less than or equal to 5000 [ARP] frames-per-second and less than or equal to 5 minutes duration
Application Ports	Modbus Plus Connector Two DB9 Female Standard Modbus Plus connectors
Serial Port Isolation	2500 V RMS port signal isolation per UL 1577 3000 VDC min. port to ground and port to logic power isolation
Shipped with Each Unit	Mini-DIN to DB-9M serial cables 4 ft RS-232 configuration cable 2.5mm screwdriver CD (docs and Configuration utility) RS-422/485 DB-9 to Screw Terminal Adaptor (1 or 4, depending on ports)