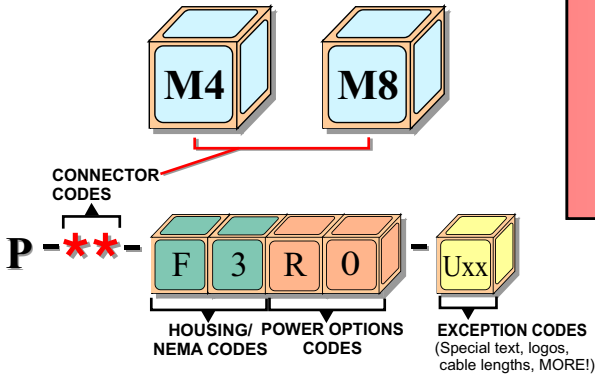
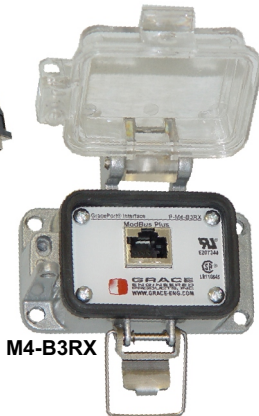


# GracePort® Modbus Plus "Industrial" Tap Modbus Serial Connector Code Data Sheet



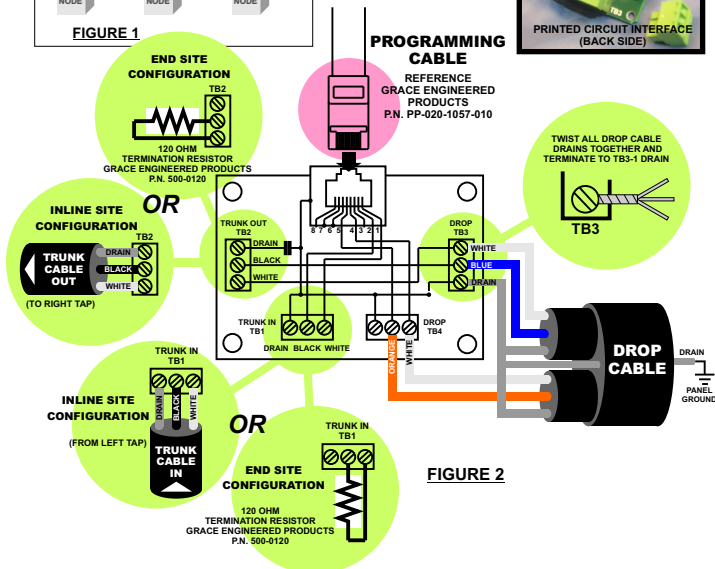
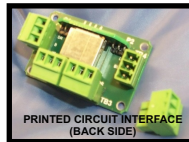
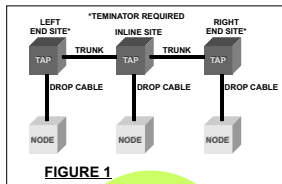
**Features:** The GracePort® Modbus Plus tap interface provides network access as a network trunk tap and programming node. The printed circuit assembly features a shielded RJ-45 connection for program downloading and monitoring, landed to (4) pluggable 3-position terminal blocks for easy wiring to network trunk/drop cables. Internal circuitry allows connection of a programming device with a minimum of network disruption.

**Installation:** Installation of the GracePort® Modbus Plus Tap interface should be performed by a qualified installer knowledgeable in Modbus Plus network technology. Additional installation information is available in the technical publication "Modicon Modbus Plus Network Planning and Installation Guide" (publication #890 USE 100 00, AEG Schneider Automation, Inc., One High Street, North Andover, MA, 01845). These devices are for mounting on the flat surface of enclosures having the same type environmental ratings.



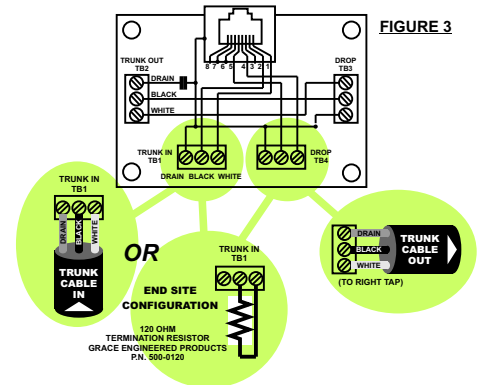
Depending on where it is electrically located in relation to other taps on the network, the GracePort® Modbus Plus network tap may be configured in either an *end site configuration* or an *inline site configuration* (figure 1). If the location is an end site tap, the use of a trunk *terminator* (resistor) is required, while an inline site tap does not require a terminator. Typical configurations are shown in figure 2. Care should be taken to wire the tap according to where it lies within the network and to ensure correct grounding at site taps as well as device panels.

This interface allows the addition or removal of a programming device from the network with a minimum of disruption. However, it should be noted that *connection or disconnection from an active network may cause a disruption of up to 15 seconds* while the network reconfigures itself. This interface device requires a unique programming address for proper operation.



### APPLICATION NOTE:

Trunk Line Configuration ONLY-No Drop Cable Connected  
Connect Trunk Line to TB1 & TB4



### SPECIFICATIONS: ELECTRICAL

Low voltage (data), limited to 30 VDC  
High voltage supply (for computer use only)  
120 VAC, 15A (UL), 5A (CSA)  
230-240 VAC, 16A (CE only)

### SPECIFICATIONS: MECHANICAL

Housing: Cast aluminum base  
Latch: Type 304 Stainless Steel (1CR18NI19)  
Cover: Polycarbonate, UV rated, V-O Flame rated  
Gasket: Thermoplastic elastomer  
Insert Material: Acrylic UL94HB

### APPROVALS



UL RECOGNIZED: E207344 (Outdoor Use)  
CSA: LR110845 (not for interrupting circuit)  
CE: EN61010/EN60950 (Foreign Power Outlets)



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