



S-TERM-F

TP/FT-10 Network Terminator

DESCRIPTION

FEATURES

- For use on ALL Free Topology TP/FT-10 channels (FTT/LPT)
- Single and Double Termination capability in one package
- Small size for limited enclosure space
- High performance components at low cost
- Pre-spliced flying leads for fast installation
- CE Mark

Free Topology Transceiver (FTT)/ Linked Power Transceiver (LPT) networks require termination to provide reliable and robust network communication. Depending on the network topology, one or more S-TERM-F Network Terminators may be required, see Figures 1 – 5.

The S-TERM-F has been designed to be a high performance and low cost TP/FT-10 (FTT/LPT) network terminator that can accommodate the most rigorous installation challenges. A shrink tube protects the termination circuitry from environmental conditions allowing installation anywhere throughout a network. The S-TERM-F has pre-spliced wires that can be directly connected for easy and fast single and double termination. The quickest method to attach an S-TERM-F is at the network terminals of a controller as shown in Figure 7 and 8.

Materials and components have been selected that are rated for UL 94-V0. The S-TERM-F is manufactured with no leaded materials and is CE Mark compliant.

NETWORK TERMINATIONS

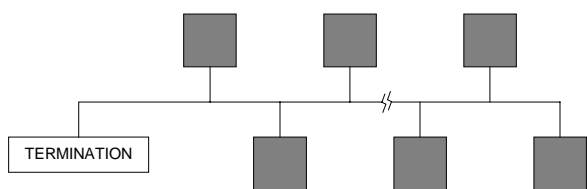


Figure 1 Single Terminated Bus Topology

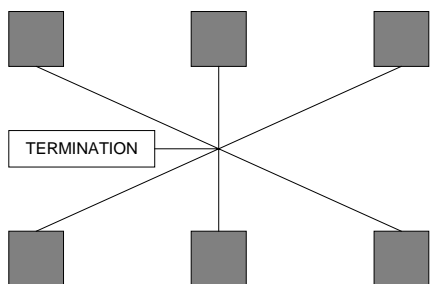


Figure 2 Single Terminated Star Topology

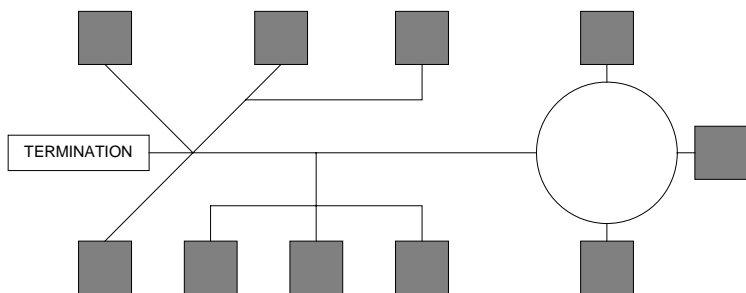


Figure 3 Single Terminated Mixed Topology

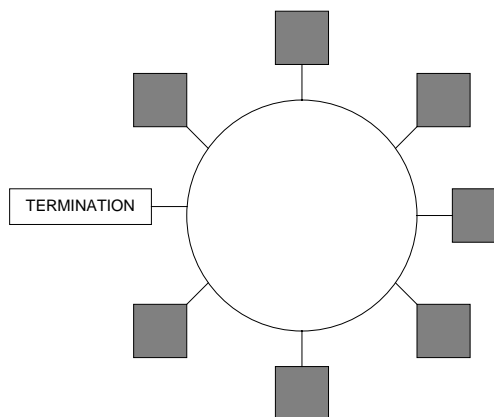


Figure 4 Single Terminated Loop Topology

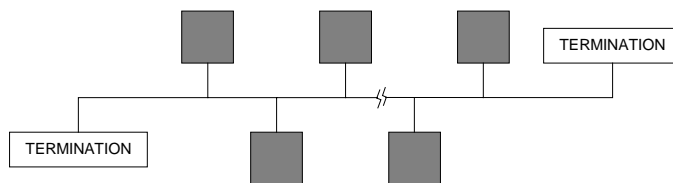


Figure 5 Double Terminated Bus Topology (Used for very long and to maximize cable distance)

SPECIFICATIONS

CONTACT



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General
Termination for Transceiver Types: TP/FT-10 (FTT/LPT Networks)
Connections: Flying leads
Packaging and Wiring: Components rated for UL94-V0

Power
Operating Power: None
Maximum Applied Voltage: 63 WVDC

Environmental
Operating Temperature: -40 °C to +85 °C, -40 °F to 185 °F
Storage Temperature: -40 °C to +85 °C, -40 °F to 185 °F
Relative Humidity: 5 to 95% (non-condensing, 25°C)

Warranty
Period: 2 Years (Limited)

DIMENSIONS

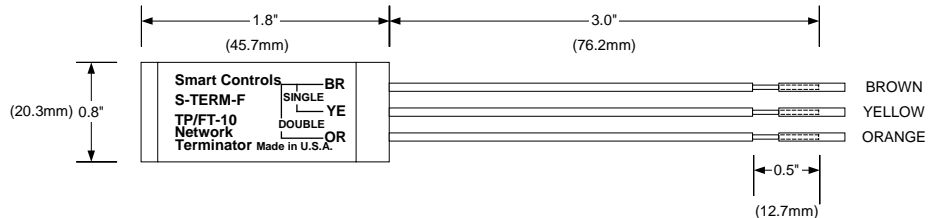


Figure 6 S-TERM-F Dimensions and Wire Color

Wire spliced from end and insulation has not been removed

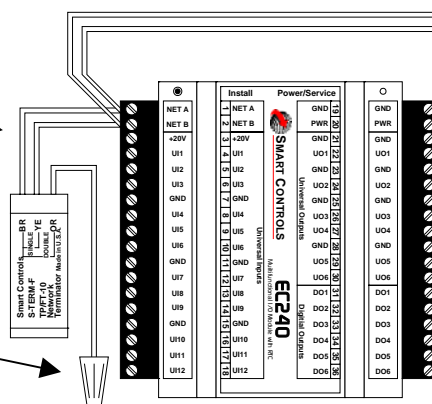
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WIRING

Single Terminated Network

Use **BROWN** and **YELLOW** leads on S-TERM-F for Single Termination.

Place a wire nut on unused **ORANGE** lead. (wire nut not provided with S-TERM-F)



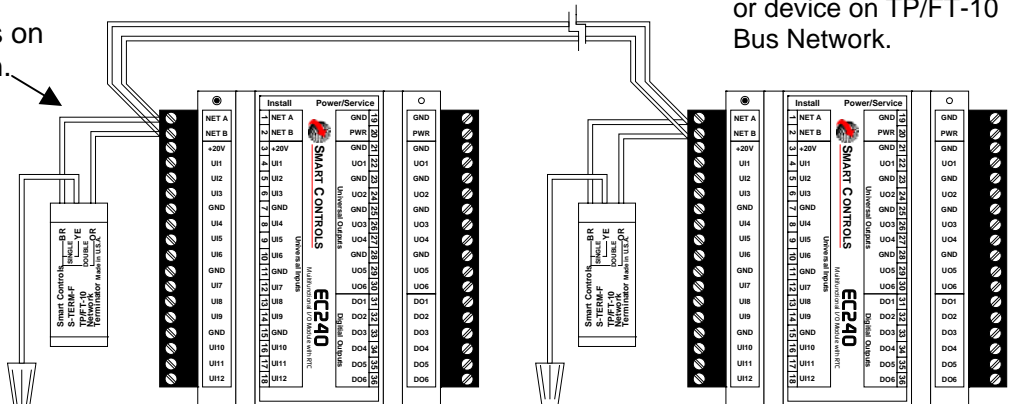
To other controllers and devices on TP/FT-10 Network.

Figure 7 S-TERM-F Single Termination Wiring

Double Terminated Network

Use **BROWN** and **ORANGE** leads on S-TERM-F for Double Termination.

Place a wire nut on unused **YELLOW** lead. (wire nut not provided with S-TERM-F)



First and last controller or device on TP/FT-10 Bus Network.

Figure 8 S-TERM-F Double Termination Wiring