Termination Blocks

Third-party devices may or may not have onboard termination jumpers (consult the manufacturer's instructions for termination information). For devices that have no termination capabilities or do not supply the required termination resistance, Copeland offers termination blocks that can be used.

To terminate MODBUS network endpoints, use P/N 535-2711; 150 ohm termination required for all E2, E3 or Site Supervisor RS485 networks (do not use 120 ohm termination even if supplied with end of line device). To terminate Echelon network endpoints, use P/N 535-2715.

Wire the termination block across the RS485 + and RS485 – terminals of the end device on the daisy chain.

Connect the block to the end device on the daisy chain using six inches or less of wire from the network cable used for the daisy chain (**Figure 2**), and optionally if recommended, connect the shield wire to earth ground, keeping the exposed shield wire length as short as possible (three inches ideal maximum length).

Table 1 - Termination Blocks

Part Number	Description	Use For	Ohms
535-2711	MODBUS Termination Block	MODBUS Termination Resistance	150 ohms
535-2715	Echelon Termination Block	Echelon Termination Resistance	105 ohms
535-2710	OBSOLETE		52.5 ohms



Figure 1 - Termination Block

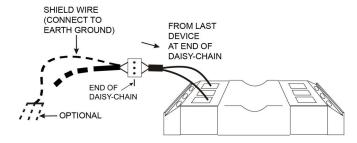


Figure 2 - Termination Block After Last Device on Daisy Chain

Visit our website at copeland.com/en-us/products/controls-monitoring-systems for the latest technical documentation and updates. For Technical Support call 833-409-7505 or email ColdChain.TechnicalServices@Copeland.com

026-4830 R2

The contents of this publication are presented for informational purposes only and they are not to be construed as warranties or guarantees, express or implied, regarding the products or services described herein or their use or applicability. Copeland reserves the right to modify the designs or specifications of such products at any time without notice. Responsibility for proper selection, use and maintenance of any product remains solely with the purchaser and end-user. ©2024 Copeland is a trademark of Copeland LP.

