

Communications Capabilities (PM710)

Table 5–1: RS-485 Communications Distances

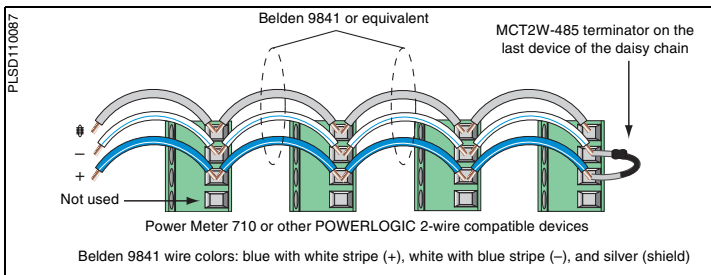
Baud Rate	Maximum Communication Distances 1 to 32 Devices	
	Feet	Meters
9600	8,000	2,438
19200	6,000	1,829

NOTE: Distances listed should be used as a guide only and cannot be guaranteed for non-POWERLOGIC devices. Refer to the master device's documentation for any additional distance limitations.

Daisy-chaining Devices to the Power Meter

The RS-485 slave port allows the power meter to be connected in a daisy chain with up to 31, 2-wire devices. In this bulletin, communications link refers to a chain of devices that are connected by a communications cable. See Figure 5–1.

Figure 5–1: Daisy-chaining 2-wire devices



- If the power meter is the first device on the daisy chain, connect it to the host device using a RS-232 to RS-422/RS-485 converter.
- If the power meter is the last device on the daisy chain, terminate it with the terminator provided.
- See Table 5–1 for the maximum daisy-chain communications distances for 2-wire devices.
- The terminal's voltage and current ratings are compliant with the requirements of the EIA RS-485 communications standard.