



## Overview

The VLR-485-DL is a rugged, industrial grade distribution line that can be used to expand RS-485 networks by splitting one RS-485 network into four, increasing the distance covered by an RS-485 network.

An RS-485 device, for example the Valerus encoder, connects to the input terminal block. The unit provides four RS-485 outputs. Front panel LEDs include a power LED indicator and indicators for receiving data from the input and output ports.

## Performance

<b>Compatibility:</b>	EIA/TIA RS-232 and RS-485 standards
<b>Baud Rates:</b>	300 to 115,200bps (auto-sensing and self-adjusting)
<b>Distance:</b>	RS-485: up to 4000ft (1.2km) at 19,200bps
<b>Data Rates:</b>	300 to 115,200 bps (auto -sensing and self-adjusting)

## Indicators and Connectors

<b>Indicators:</b>	Front panel LEDs for power and receiving data from input and output ports
<b>Input/Output</b>	1 input; 2 outputs
<b>Connectors:</b>	Two 10-position terminal blocks

## Product at a Glance

- ▶ RS-485 distribution line
- ▶ 4 ports
- ▶ Expands one RS-485 network into four, allowing star configuration
- ▶ ABS industrial grade housing
- ▶ Conveniently mounts to a wall or DIN rail

## Mechanical & Electrical

<b>Mounting:</b>	Surface or DIN rail mountable
<b>Construction:</b>	ABS
<b>Dimensions:</b>	4.9 (H) x 3.6 (W) x 0.9 (D) in. (125 x 73 x 33 mm)
<b>Weight:</b>	4.9 oz (140 g).
<b>Input Power:</b>	9 to 30 VDC (external AC to DC power adapter included)
<b>External AC/DC Power Adapter:</b>	9 VDC / 500mA (Input: 100~240VAC 50/60Hz, US type A plug)
<b>Current:</b>	<300 mA
<b>Power Consumption:</b>	9 W @ 30 VDC
<b>Static Protection:</b>	Up to 15 KV
<b>Surge Protection:</b>	600 W

## Environmental

<b>Operating Temperature:</b>	-40 to 185° F (-40 to 85° C).
<b>Operating Humidity:</b>	Up to 90% relative, non-condensing.
<b>Approvals:</b>	UL, FCC Class A; CE.
<b>Warranty:</b>	3 years.

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