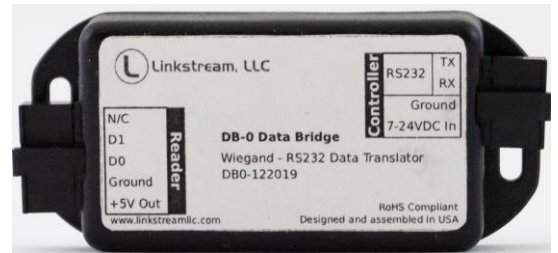


DB0-V

Wiegand - RS232 data and power converter for RFID readers



Smart Connectivity Solutions

The Linkstream DB0-V Wiegand to RS232 converter allows interfacing RFID and other access control readers to vehicle telematics systems for driver ID or other industrial applications.

RFID readers traditionally used for building access are rugged devices that are ideally packaged for use in vehicles, however they don't readily integrate with most vehicle systems. The Linkstream DB0-V handles both data and power conversion for easy integration with vehicle telematics and industrial control systems operating on 12 or 24 volts DC.

The DB0-V converts the Wiegand protocol used by RFID readers to the RS232 standard compatible with most telematics systems. Additionally, these readers are not able to accommodate the range of power voltages found in industrial applications, which could be up to 24 volts. The DB0-V conditions the incoming power supply with spike and overvoltage protection so the reader is also protected.

EASY INTEGRATION: Connect the reader to one port, the controller to the other port, and integration is complete. Most applications require no software integration.

PROGRAMMABILITY: The DB0-V can be ordered with standard firmware or with custom programming to format the data, support special communication protocols, or perform other functions.

COMPLETE SOLUTION: The product can be ordered as a housed OEM module only or with wiring harnesses for a complete solution.



Power Consumption:

Voltage: 7 – 24VDC vehicle power
50% overvoltage tolerant for 3 minutes
Current: 25mA typ. + reader power consumed

Communication Interfaces:

RFID reader: 2-wire Wiegand (D0 / D1)
Host: RS232 (RX / TX) 9600, 8, N, 1
VCOM or KB wedge over USB available

Environmental Conditions:

Operating: -35° to +80°C (-31° to +176° F)
5% to 95% relative humidity, noncondensing
Storage: -40° to +85°C (-40° to +185° F)

Dimensions:

77mm L x 33mm W x 15mm H
(3" L x 1.3" W x 0.6" H)

Warranty:

One year for material and workmanship defects.

Orderable Part Numbers:

DB0-122019

Customizations available. Please contact us for more information.

Designed, manufactured and supported in the USA.

