

QUICK START GUIDE

Overview

With the ABS AxLink Bus Strip (FG960) experience plug-and-play wiring, a power (PWR) status LED, and 12 VDC power inputs. Perfect for larger wiring runs the ABS simultaneously plugs in up to 10 AxLink terminals and connectors.

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FIG. 1 ABS AXLINK BUS STRIP

Common Application

Ideal for combining up to 10 AxLink wiring runs.

Specifications

The following table lists the specifications for the ABS AxLink Bus Strip.

SPECIFICATIONS	
Power	12 VDC, 7 A max.
Connectors	Ten - 4-pin, captive-wire AxLink connectors One - 2-pin, captive-wire power connector
LED	Power indicator (Red)
Enclosure	Metal with black matte finish
Dimensions (HWD)	1.14" x 12.00" x 1.27" 2.90 cm x 30.48 cm x 3.23 cm
Weight	6.70 oz (189.94 g)
Mounting Options	4" double-sided foam tape

Use the included double-sided tape to securely affix the unit to the surface.

Installation and Wiring

Wiring Guidelines

To determine the maximum distance allowed per gauge, use the following formula and refer to the table below: $\label{eq:gauge}$

1.5/(Power Consumption x Resistance x 2) = Distance (feet)

WIRING GUIDELINES					
Gauge	Resistance				
18 AWG	.00639				
20 AWG	.0101				
22 AWG	.0162				
24 AWG	.0257				

Note: The maximum wiring lengths are based on a minimum of 13.5 volts available to the ABS.Preparing/connecting captive wires

- 1. Strip 0.25 inch of wire insulation off all wires.
- 2. Insert each wire into the appropriate opening on the connector according to the wiring diagrams and connector types described in this section.
- 3. Do not tighten the screws excessively; doing so may strip the threads and damage the connector.

Wiring

 Connect wiring from the AxLink devices to connectors 2 through 10 on the ABS (FIG. 2). If the power LED lights when an AxLink cable is connected to the ABS, it indicates the AxLink cable has a local power supply. Unless that local supply is intended to power all devices connected to the ABS, disconnect it and insulate the wire connected to the PWR+ terminal.

Note: All AxLink connectors on the ABS are connected together.

- Connect the control system AxLink connector 1 on the ABS. As with the other AxLink devices in the system, connect all four wires to the ABS unless the Central Controller is using a local power supply.
- Connect the system power supply to the 2-pin connector on the ABS. The power LED should light, and all AxLink devices with PWR+ connected to the ABS should have power.



FIG. 2 ABS WIRING DIAGRAM

Note: If the AxLink devices have local power supplies, do not connect to the power terminal of the ABS via the PWR+ (Red).

For additional information about the wiring distances between the ABS and a specific AxLink device, refer to the appropriate manual.



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