
NI-9935 Getting Started

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Contents

Overview.....	3
Safety Guidelines.....	3
NI 9935 Pinout.....	3
Connecting the NI 9935.....	4
Installing the NI 9935.....	5
Specifications.....	5
NI Services.....	6

Overview



This document explains how to connect to the NI 9935.



Note Do not remove the NI 9935 circuit board from the enclosure.



Note Before using the NI 9935, read the getting started guide and datasheet for the C Series module on ni.com/manuals to ensure compliance with safety, EMC, and environmental regulations.

Safety Guidelines



Caution Observe all instructions and cautions in the user documentation. Using the product in a manner not specified can damage the product and compromise the built-in safety protection.



Attention Suivez toutes les instructions et respectez toutes les mises en garde de la documentation d'utilisation. L'utilisation du produit de toute autre façon que celle spécifiée risque de l'endommager et de compromettre la protection de sécurité intégrée.

NI 9935 Pinout



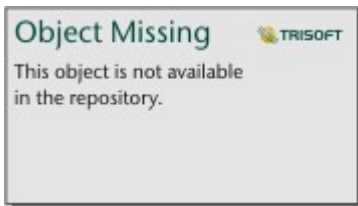
Connecting the NI 9935

To wire the NI 9935, complete the following steps while referring to the following figure.



Note When using shielded wires or cables, use the SH terminal on the NI 9935 to terminate the shields.

Figure 1. NI 9935 Parts



1. Captive Screw
2. Top Cover
3. Terminals
4. Strain Relief Holes
5. Jackscrews

1. Loosen the captive screw and remove the top cover.
2. Prepare the screw-terminal wire by stripping the insulation.
Refer to the Specifications section for more information on screw terminal wiring.
3. Insert the stripped end of the wire fully into the appropriate terminal. Make sure that no exposed wire extends past the screw terminal.
4. Secure the connecting by tightening the screw for the terminal.

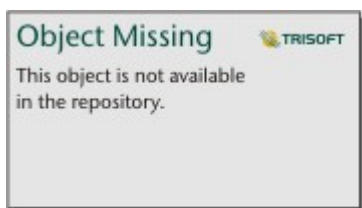
Refer to the Specifications section for more information on screw terminal torque.

5. Route the wire to the NI 9935 opening.
6. Remove slack in the NI 9935 wiring and secure the wires or cable by threading a zip tie through the two strain relief holes on the NI 9935 opening.
7. Reinstall the top cover of the NI 9935 and tighten the captive screw.

Installing the NI 9935

To connect the NI 9935 to a C Series module, complete the following steps.

Figure 2. Installing the NI 9935



1. Connect the NI 9935 to the 15-pin connector on the module as shown in the figure above.
2. Tighten the two jackscrews on the NI 9935 to hold it securely in place. Do not overtighten the jackscrews. Refer to the NI 9935 parts diagram for the location of the jackscrews.

Specifications

The following specifications are typical unless otherwise noted.

Maximum voltage	30 V RMS/42 V _{pk} /60 V DC
Operating temperature	-40 °C to 70 °C
Maximum current rating	≤1 A per channel
Screw terminal wiring	16 to 26 AWG copper conductor wire with 4.5 mm (0.18 in.) of insulation stripped from the end
Torque for screw terminal	0.4 N · m maximum (3.4 lb · in. maximum)

Weight	44 g (1.6 oz)
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NI Services

Visit ni.com/support to find support resources including documentation, downloads, and troubleshooting and application development self-help such as tutorials and examples.

Visit ni.com/services to learn about NI service offerings such as calibration options, repair, and replacement.

Visit ni.com/register to register your NI product. Product registration facilitates technical support and ensures that you receive important information updates from NI.

NI corporate headquarters is located at 11500 N Mopac Expwy, Austin, TX, 78759-3504, USA.