



SK51 Select CAN Keypad

Installation Manual



To consistently bring you the highest quality, full-featured products, we reserve the right to change our specifications and designs at any time. The latest version of this manual can be found at support.enovationcontrols.com.

Warranty - A limited warranty on materials and workmanship is given with this Enovation Controls product. A copy of the warranty may be viewed or printed by going to www.enovationcontrols.com/warranty



BEFORE INSTALLING THIS PRODUCT:

Read and follow all installation instructions.
Please contact Enovation Controls immediately if you have any questions.



This product can expose you to chemicals including lead, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

Revision Table	
2024-04-28	Creation of Initial Document

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Hardware Installation

The following instructions will guide you through installing the SK51 Select CAN Keypad.

The SK51 is a rugged, fully programmable switch panel with RGB backlit tactile buttons designed for seamless CAN integration across off-highway and industrial applications. It delivers intuitive control, instant feedback, and simple customization—without needing custom code.

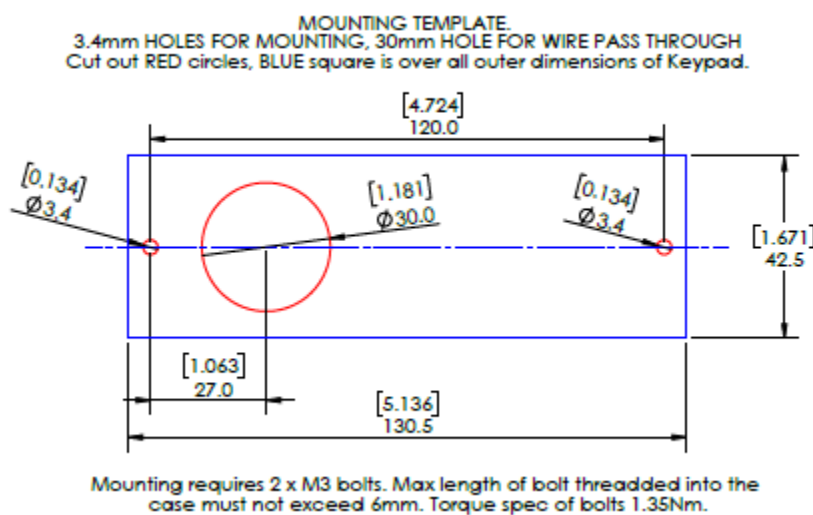
Inspecting Package Contents

Before attempting to install the product, it is recommended that you ensure the SK51 has not been damaged in shipping.

Also notice the QR code on the side of the box. This will direct you to the online version of this manual.

Surface-Mounted Installation

1. Determine the location of the SK51 in the dash.
2. Use the included two M3 bolts to attach the Keypad to the dash. The rubber overmold will provide a seal against the mounting surface.
3. Maximum length of bolt threaded into the case must not exceed 6mm. Torque to 1.35Nm.



How to Order the SK51

Part Number	Description	Order Details
78700718	SK51 CAN Keypad Standard 5 x 1 configuration	Keypad

PowerVision Configuration Studio® Demo Configuration

Access a demonstration for how to implement all the functionality shown in the demo video to your SK51:

[SK51 CAN Keypad – Enovation Controls Help Center](#)

Electrical Specifications

The SK51 comes with a 5-inch pigtail harness potted into the housing.



Terminate the wires into a connector of choice or splice using a water tight method according to the table below. See specifications for power requirements:

Wire Color	Description
Red	Power
Black	Ground
Yellow	CAN Hi
Green	CAN Low

Software Updates

If needed, follow these steps to update the SK51 software:

1. Plug the keypad into your computer via a USB-C cable.
2. Copy the new software file and paste it into the new drive that appears in your Windows browser for the keypad.
3. Ensure there is no power to the red wire during this process, the keypad will be powered from USB.

Note: Software updates will rarely be needed. Check support.enovationcontrols.com for updates if available.

Button Customization

Buttons can be customized with custom icons by laser etching off the top layer, revealing the white underlayment. Please contact your distribution partner for details.

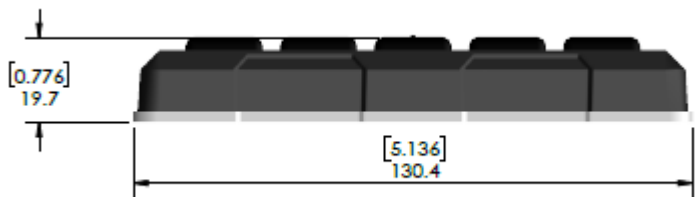
Specifications

Physical	
Button Material:	Silicon with 2-layer paint and protection coat
Weight:	Approx 100g / 0.2 lb
Brightness:	RGB LED ring per button, configurable color, brightness (1-100%), and flash (1Hz / 5Hz), supports full 24-bit color (16.7 million combinations)
Hardware	
Connectors:	4 flying leads (power, ground, CAN Hi, CAN Low)
Mounting:	Mounts with 2x M3 bolts (panel mount)
Communication	
CAN:	1x CAN 2.0B SAE J1939 protocol; fully field-configurable
Baud Rate:	250K baud
USB:	Only used if software update is required.
Termination Resistor:	None
Electrical	
Operating Voltage:	6 – 35 VDC Current Draw: 5-200mA (based on LED color/brightness)
Environmental	
Operating Temps:	-40°C to +85°C (-40°F to +185°F)
Storage Temps:	-40°C to +85°C (-40°F to +185°F)
Protection:	IP65 with integrated gasket (IP67 when mounted)
Housing:	High-impact PBT/PC, epoxy-sealed electronics, exposed lead ends
EMC/EMI:	EN 61236-1:2013
Quality:	CE

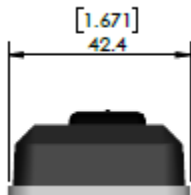
Dimensions

[inches]
mm

Length and Depth



Height



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