Panel-mount Pointing Device

Catalog Numbers 6189V-HPMOUSEP, 6189V-HPMOUSEPU

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Summary of Changes

This publication contains new and updated information as indicated in the following table.

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<tr>
<td>Added Before You Begin section.</td>
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<td>Consolidated Mounting Hardware section into new Parts List section.</td>
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<td>Added Panel Mounting Guidelines section.</td>
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<td>Revised section title from Panel Mounting with Mounting Studs to Mount the Pointing Device in a Panel.</td>
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<td>Added steps 1 . . . 9 and 12 . . . 14 to the Mount the Pointing Device in a Panel section.</td>
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Overview

This document describes how to install a panel-mount pointing device with mounting studs in a panel or enclosure.
Before You Begin

Before you unpack the panel-mount pointing device, inspect the shipping carton for damage. If damage is visible, immediately contact the shipper and request assistance. Otherwise, continue to unpack.

Keep the original packing material in case you must return the pointing device for repair or transport it to another location. Use both inner and outer packing cartons to provide adequate protection for a pointing device that is returned for service.

Parts List

All panel-mount pointing devices are shipped with the following items.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
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<tr>
<td>Hardware</td>
<td>Eight self-locking nuts</td>
</tr>
<tr>
<td>Documents</td>
<td>• Industrial Computer Keyboard and Mouse Accessories Product Information, publication 6189-PC001</td>
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<td></td>
<td>• Cutout Template for Panel-mount Pointing Devices, publication 6189-DS001</td>
</tr>
<tr>
<td></td>
<td>• These installation instructions</td>
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Required Tools

These tools are required for installation:

- Clean cloth and suitable cleanser for dirty panels
- Masking tape
- Scissors
- Level with centering vials
- Panel cutout tools
- Center punch and hammer
- Drill and 3/16 in. (5 mm) drill bit
- Torque wrench and a 3/8 in. (1 cm) socket
- 6 in. (15 cm) extension rod (minimum)
- Scratch awl
- Metal ruler or straight edge (at least 6 in. or 15 cm)
Dimensions

NOTE: Dimensions are in. (mm).

Front View

6 (152.4) Square

Back View

Panel Cutout Area

4.25 (108) Square

0.365 (9.3)*

0.625 (16)*

3 (76.2)*

0.625 (16)*

0.365 (9.3)*

0.1875 (4.8) Dia. through hole for #8-32 x 0.75 studs (8 places)

* These dimensions are the same for all four sides.
Panel Mounting Guidelines

Observe these guidelines when you install the pointing device in a panel:

- Remove all electrical power from the panel before making the cutout.
- Verify that there is adequate space behind the panel.
- Cut supporting panels to specifications before installation.
- Take precautions so metal cuttings do not enter components that are already installed in the panel.

ATTENTION: Failure to follow these warnings can result in personal injury or damage to the panel components.

Mount the Pointing Device in a Panel

Follow these steps to mount the pointing device in a panel.

1. Clean the panel where you plan to tape the supplied cutout template.
2. Use scissors to cut out the center of the cutout template.
3. Use the level to center and square the cutout template on the panel.
4. Use masking tape to secure the cutout template to the panel.
5. Cover and protect components in the enclosure or within the panel area to be drilled.

ATTENTION: Make sure that the cutout template is flat against the panel with no wrinkles or creases that can distort the drill locations.

6. Use the center punch and hammer to mark the center of the drill holes for the mounting studs of the pointing device.
7. Use the drill and 3/16 in. (5 mm) drill bit to drill pilot holes in each corner of the panel area to be cut out.
8. Use the scratch awl, ruler, and template to score lines between the drilled pilot holes.
9. Remove the cutout template and masking tape.
10. Starting at the drilled hole in each corner, use the panel cutout tools to cut the panel opening by following the scored lines.
11. Use the punched marks to carefully drill eight 3/16 in. (5 mm) holes for the mounting studs of the pointing device.

ATTENTION: Make sure that drill shavings do not enter any components that are installed in the enclosure or in the vicinity. Drill shavings can damage components.
12. Remove any burrs from the drilled holes and panel cutout area.
13. Remove any drill shavings from inside the enclosure and drilling area.
14. Remove the cover and protection from the enclosure and drilling area.
15. Make sure the sealing gasket is properly positioned on the pointing device. This gasket forms a compression type seal (NEMA Type 4). **Do not use sealing compounds.**
16. Place the pointing device in the panel cutout by aligning the mounting studs with the eight drilled holes.
17. Install and hand tighten the eight self-locking nuts by the sequence in **Tighten and Torque Sequence.**
18. With a 3/8 in. (1 cm) socket, tighten the self-locking nuts by the same sequence until the pointing device is held firmly against the panel.
19. With the torque wrench, tighten the nuts by the same sequence to a torque of 20 in•lbs (2.3 N•m).

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**ATTENTION:** Rockwell Automation assumes no responsibility for water or chemical damage to the pointing device or other equipment within the enclosure because of improper installation.

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**Tighten and Torque Sequence**

![Diagram of tightening sequence](image)
Additional Resources

These documents contain additional information about related products from Rockwell Automation.

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<th>Resource</th>
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<tr>
<td>Industrial Computer and Monitor Specifications Technical Data, publication IC-TD001</td>
<td>Provides technical specifications for Rockwell Automation industrial computers, monitors, and accessories.</td>
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<tr>
<td>Industrial Automation Wiring and Grounding Guidelines, publication 1770-4.1</td>
<td>Provides general guidelines for installing a Rockwell Automation industrial system.</td>
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<tr>
<td>Product Certifications website, rok.auto/certifications</td>
<td>Provides declarations of conformity, certificates, and other certification details.</td>
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You can view or download publications at https://www.rockwellautomation.com/en_NA/literature-library/overview.page. To order paper copies of technical documentation, contact your local Allen-Bradley distributor or Rockwell Automation sales representative.
## Rockwell Automation Support

Use the following resources to access support information.

<table>
<thead>
<tr>
<th>Technical Support Center</th>
<th>Knowledgebase Articles, How-to Videos, FAQs, Chat, User Forums, and Product Notification Updates.</th>
<th><a href="https://rockwellautomation.custhelp.com/">https://rockwellautomation.custhelp.com/</a></th>
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## Documentation Feedback

Your comments will help us serve your documentation needs better. If you have any suggestions on how to improve this document, complete the How Are We Doing? form at [http://literature.rockwellautomation.com/idc/groups/literature/documents/du/ra-du002_-en-e.pdf](http://literature.rockwellautomation.com/idc/groups/literature/documents/du/ra-du002_-en-e.pdf).


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