

51402497-200

Enhanced Operator Keyboard

Honeywell 51402497-200 is an enhanced operator keyboard for a TDC 3000 Universal Station. It supplies the dedicated process-control keys used through the OEP/IKB interface.

PRODUCT SNAPSHOT

BRAND

Honeywell

FAMILY

TDC 3000 Universal Station

PART

51402497-200

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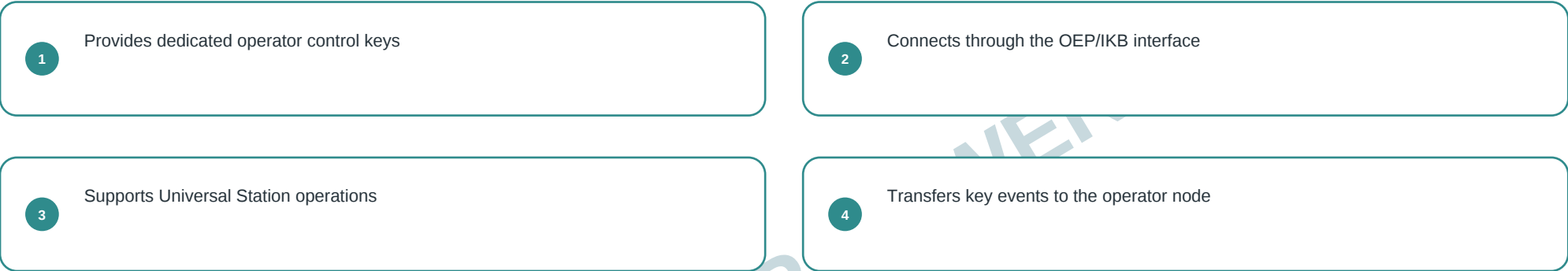
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PRODUCT OVERVIEW

Honeywell 51402497-200 is an enhanced operator keyboard for a TDC 3000 Universal Station. It supplies the dedicated process-control keys used through the OEP/IKB interface.



SYSTEM COMPONENTS



TECHNICAL DATA

PARAMETER	VALUE
Device type	Operator keyboard
Interface family	OEP/IKB

PARAMETER	VALUE
Assembly	Enhanced

APTER POWER

TECHNICAL NOTE

Power down the applicable keyboard interface, protect the connector and test every dedicated operator key after reconnection.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Operator console restoration

Provides dedicated operator control keys

Alarm and display navigation

Connects through the OEP/IKB interface

TDC 3000 keyboard replacement

Supports Universal Station operations

Universal Station maintenance

Transfers key events to the operator node

PRODUCT PRECAUTIONS

- 1 Verify the complete 51402497-200 marking and the assigned TDC 3000 Universal Station position before field work.
- 2 Isolate the applicable power, network and field energy before disconnecting 51402497-200.
- 3 Use ESD controls and protect the keyed connectors of 51402497-200 during handling.
- 4 Record the installed wiring, jumpers, node or channel assignment before replacement.
- 5 Confirm OEP/IKB interface module and Universal Station against the approved system configuration.
- 6 Restore 51402497-200 under controlled conditions and review the product-specific diagnostics.
- 7 Complete a functional test for operator console restoration before production release.

ENGINEER FAQ

Q1 Which OEP/IKB interface module identity must be verified before fitting the 51402497-200 Enhanced Operator Keyboard?

Match the complete 51402497-200 marking, assigned TDC 3000 Universal Station position and installed OEP/IKB interface module before work.

Q2 How should Universal Station be isolated before disconnecting the 51402497-200 Enhanced Operator Keyboard?

Place the affected process in its approved maintenance state, isolate applicable energy and prove Universal Station safe before disconnection.

Q3 What as-found wiring record is required for the 51402497-200 Enhanced Operator Keyboard in Operator console restoration?

Record terminal identity, polarity, shields, jumpers, cable tags and the as-found diagnostic state for 51402497-200.

Q4 Which TDC 3000 Universal Station configuration must be checked when commissioning the 51402497-200 Enhanced Operator Keyboard?

Verify the assigned channel, slot, node or interface and compare it with the approved TDC 3000 Universal Station configuration before enabling 51402497-200.

Q5 How can the 51402497-200 Enhanced Operator Keyboard be function-tested for Alarm and display navigation without disturbing the process?

Use a controlled stimulus or limited command, observe the expected system indication and confirm the intended response while normal interlocks remain effective.

Q6 Which diagnostics should be reviewed if the 51402497-200 Enhanced Operator Keyboard stops performing its assigned system function?

Check seating, the matched OEP/IKB interface module, the condition of Universal Station and the model-specific diagnostics before replacing more hardware.

Q7 Can the 51402497-200 Enhanced Operator Keyboard used for TDC 3000 keyboard replacement be transferred to another TDC 3000 Universal Station position without engineering review?

No. Confirm the hardware execution, connector scheme and approved TDC 3000 Universal Station configuration before transferring 51402497-200 to a different duty.

Q8 What evidence should be retained after the 51402497-200 Enhanced Operator Keyboard returns to Universal Station maintenance service?

Retain the physical identification, as-left wiring or configuration, final diagnostics and controlled functional-test result for 51402497-200.

SOURCE Honeywell OEP/IKB Device Adapters Installation Instructions | Enhanced operator keyboard assembly

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