

6AV2124-0QC02-0AX1

SIMATIC HMI TP1500 Comfort Panel

CONTROLLED ENGINEERING COPY

Back up the installed HMI project, verify 24 V DC polarity and interface assignments, and restore device name, addresses, communication drivers, and runtime functions before handing the panel to operators.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	6AV2124-0QC02-0AX1
Manufacturer part	6AV2124-0QC02-0AX1
Hardware type	15.4 in widescreen
System family	SIMATIC HMI Comfort Panel



APTER POWER SALES TEAM

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01 PRE-INSTALLATION PLAN

- 1

Verify 6AV2124-0QC02-0AX1 and the installed project before replacement.
- 2

Isolate 24 V DC power and all connected signal references.
- 3

Back up the HMI project, recipes, archives, and security settings.
- 4

Protect the resistive touch surface and front seal during panel mounting.
- 5

Reconnect Ethernet, RS422/485, USB, and SD media to their recorded positions.

MATCHED HARDWARE

- TIA Portal HMI project
- 24 V DC control supply
- PROFINET or PROFIBUS network
- compatible SD memory card

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	6AV2124-0QC02-0AX1 / 6AV2124-0QC02-0AX1 recorded
Physical interface	TIA Portal HMI project
Companion check	24 V DC control supply
Functional proof	Displays operator graphics and accepts resistive-touch commands
Application test	Machine operator stations

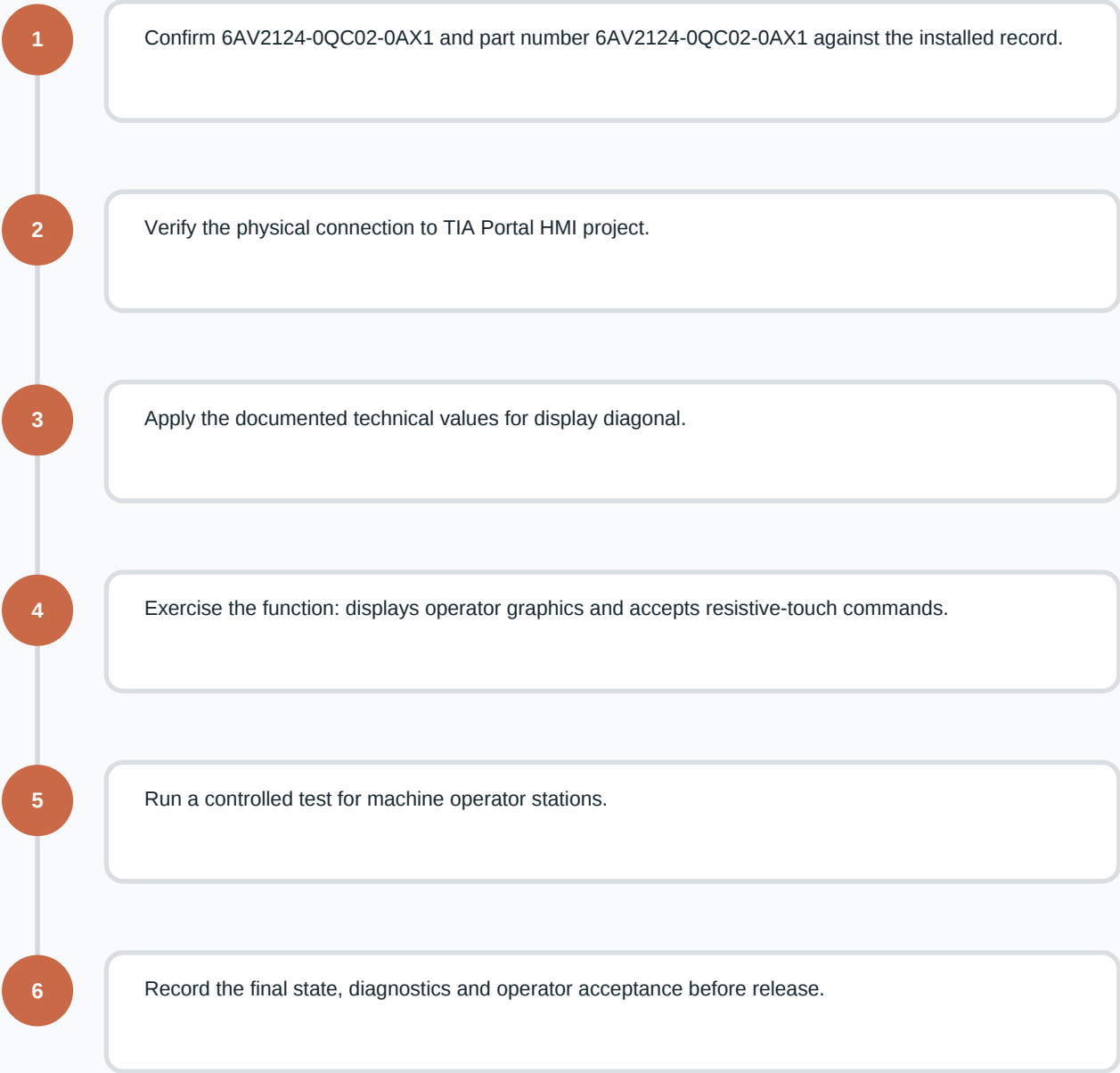
02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Display diagonal	15.4 in widescreen
Display technology	TFT
Display colors	16,777,216
Resolution	1280 x 800 pixels
Active display area	331.2 x 207 mm
Touch technology	Analog resistive
Mounting orientation	Portrait or landscape
Maximum inclination	35 degrees
Rated supply	24 V DC
Permitted supply range	19.2 to 28.8 V DC
Rated current	1.7 A
Typical power consumption	41 W
Processor	x86
User-data memory	24 MB

FIELD NOTE

Back up the installed HMI project, verify 24 V DC polarity and interface assignments, and restore device name, addresses, communication drivers, and runtime functions before handing the panel to operators.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	6AV2124-0QC02-0AX1 / 6AV2124-0QC02-0AX1 recorded
Physical interface	TIA Portal HMI project
Companion check	24 V DC control supply
Functional proof	Displays operator graphics and accepts resistive-touch commands
Application test	Machine operator stations

04 RETURN-TO-SERVICE RECORD

- ☐ Restore device name, IP parameters, time synchronization, and communication drivers.
- ☐ Test touch calibration, backlight, alarm acknowledgement, and data entry.
- ☐ Prove controller communication and representative operator functions before release.
- ☐ Confirm the intended process response before normal operation.

VERIFICATION RECORD

TECHNICIAN

DATE

CABINET / POSITION

FINAL DIAGNOSTIC STATE

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
6EP1434-2BA20	SITOP industrial power supply	Open product page
6ES7432-1HF00-0AB0	SIMATIC S7-400 analog output module	Open product page

SOURCE IDENTIFIERS

SIMATIC HMI TP1500 Comfort Panel Product Data
6AV2124-0QC02-0AX1

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