

TPC1062K

10.2-inch Embedded All-in-One HMI Touch Panel

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MCGS TPC1062K is a 10.2-inch embedded all-in-one HMI with an 800 x 480 TFT display, resistive touch input, 400 MHz ARM processor, MCGS runtime and serial, USB and Ethernet interfaces.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	TPC1062K
Manufacturer	MCGS
System family	MCGS TPC K Series
Record scope	Installation, application and verification

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01 PRE-INSTALLATION PLAN

- 1

Confirm TPC1062K, not TPC1062KS, on the physical nameplate.
- 2

Place the machine and connected controller in the approved maintenance state.
- 3

Back up the MCGS project, recipe, alarm and runtime data before removal.
- 4

Record 24 Vdc polarity, protective earth, serial mode, USB use and Ethernet addressing.
- 5

Isolate power and protect the resistive touch surface and communication connectors.

MATCHED HARDWARE

- TPC1062K with complete nameplate identity
- Matched panel opening, clamps and protective earth
- Documented power, serial, Ethernet and USB interfaces
- Approved project backup and controller communication record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	TPC1062K recorded
Physical interface	Probe, cable and sensor matched
Functional proof	Static gap and dynamic response

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Product type	Embedded all-in-one HMI
Series	mcgsTpc K Series
Display	10.2-inch TFT LCD with LED backlight
Display resolution	800 x 480
Display colors	65,535 colors
Touch panel	4-wire resistive
Touch resolution	1024 x 1024
Processor	Embedded low-power ARM, 400 MHz
Memory	64 MB SDRAM
Flash storage	128 MB
Serial interfaces	1 x RS-232 and 1 x RS-485
USB interfaces	2 total: 1 host and 1 device
Ethernet	1 x LAN on TPC1062K

RELATED PRODUCT PAGES

1 Allen-Bradley 2711P-B15C22D9P

2 Allen-Bradley 2711P-B7C4D1-A

3 Allen-Bradley 2711P-K10C4D8

4 Allen-Bradley 2711P-K12C4A8

5 Siemens 6AV6643-0CD01-1AX1

6 Siemens 6AV6647-0AG11-3AX0

7 B&R 5AP1130.185C-000

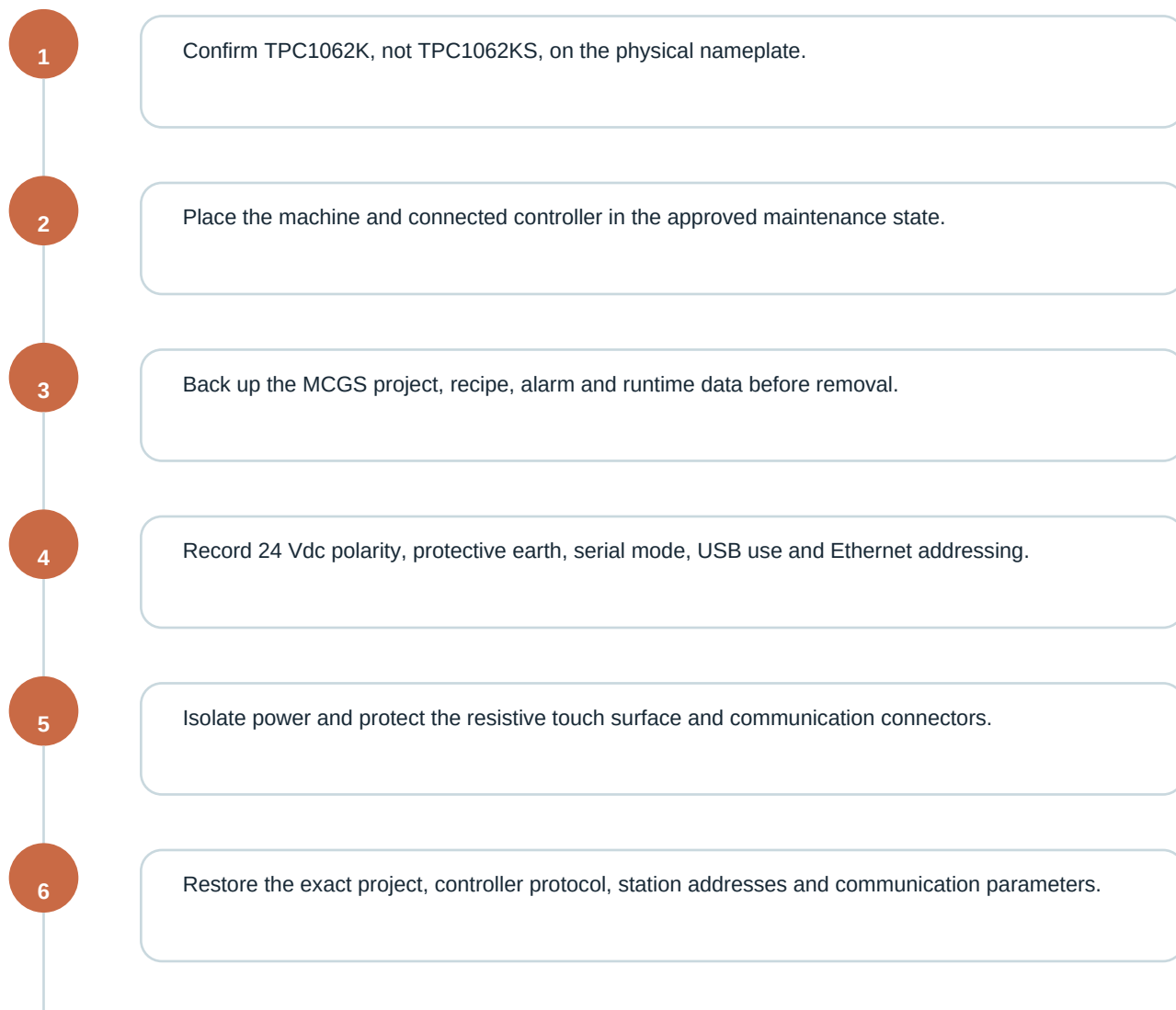
8 Allen-Bradley 2711-T10C8

9 Allen-Bradley 2711P-B10C4A9

FIELD NOTE

Distinguish TPC1062K from TPC1062KS: the K execution includes the documented LAN interface. Back up the MCGS project and runtime data before work, then preserve power polarity, protective earth, serial mode, Ethernet addressing and controller protocol settings.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	TPC1062K
Physical interface	Power, field and communication interfaces matched to the as-found record
Configuration	Approved hardware and software configuration restored
Functional proof	Diagnostics and controlled operator-interface response recorded

04 RETURN-TO-SERVICE RECORD

- ☐ Isolate power and protect the resistive touch surface and communication connectors.
- ☐ Restore the exact project, controller protocol, station addresses and communication parameters.
- ☐ Review boot, screen navigation, communication and alarm status after energization.
- ☐ Test representative tags, commands, alarms, data entry and retained settings before release.

VERIFICATION RECORD

PRODUCT IDENTITY	TPC1062K
INSTALLED POSITION	Documented panel and control-system position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

FUNCTIONAL ACCEPTANCE CHECKLIST

- ☐ Confirm the exact model remains assigned to the documented host position.
- ☐ Verify every mating interface and field connection against the as-found record.
- ☐ Exercise the intended product function under controlled conditions.
- ☐ Retain the diagnostic and functional-test result before release.

SOURCE IDENTIFIERS

mcgsTpc Embedded HMI Selection Manual - TPC1062K/KS | Beijing Kunlun Tongtai Automation Software Co., Ltd., 2010 manufacturer selection manual