

MC-TAOX52

Eight-Channel Analog Output FTA

Honeywell MC-TAOX52 is a coated eight-channel analog output FTA with screw terminals. It connects Process Manager analog output processing to field current loops.

PRODUCT SNAPSHOT

BRAND

Honeywell

FAMILY

TPS Process Manager I/O

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PRODUCT OVERVIEW

Honeywell MC-TAOX52 is a coated eight-channel analog output FTA with screw terminals. It connects Process Manager analog output processing to field current loops.

1

Terminates analog output field loops

2

Connects the analog output processor to field wiring

3

Uses screw field terminals

4

Supports single or redundant applications

SYSTEM COMPONENTS

Analog output processor

FTA I/O cable

Process Manager cabinet

Analog final elements

TECHNICAL DATA

PARAMETER	VALUE
Output channels	8
Terminal style	Screw

PARAMETER	VALUE
Connector style	Phone connector
Board coating	Conformal

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TECHNICAL NOTE

Secure final elements, match the FTA I/O cable and preserve loop polarity, then prove channel scaling with limited commands.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Control-valve output loops

Terminates analog output field loops

VFD speed references

Connects the analog output processor to field wiring

Damper positioning

Uses screw field terminals

Chemical dosing commands

Supports single or redundant applications

PRODUCT PRECAUTIONS

- 1 Verify the complete MC-TAOX52 marking and the assigned TPS Process Manager I/O position before field work.
- 2 Isolate the applicable power, network and field energy before disconnecting MC-TAOX52.
- 3 Use ESD controls and protect the keyed connectors of MC-TAOX52 during handling.
- 4 Record the installed wiring, jumpers, node or channel assignment before replacement.
- 5 Confirm Analog output processor and FTA I/O cable against the approved system configuration.
- 6 Restore MC-TAOX52 under controlled conditions and review the product-specific diagnostics.
- 7 Complete a functional test for control-valve output loops before production release.

ENGINEER FAQ

Q1 Which Analog output processor identity must be verified before fitting the MC-TAOX52 Eight-Channel Analog Output FTA?

Match the complete MC-TAOX52 marking, assigned TPS Process Manager I/O position and installed Analog output processor before work.

Q2 How should FTA I/O cable be isolated before disconnecting the MC-TAOX52 Eight-Channel Analog Output FTA?

Place the affected process in its approved maintenance state, isolate applicable energy and prove FTA I/O cable safe before disconnection.

Q3 What as-found wiring record is required for the MC-TAOX52 Eight-Channel Analog Output FTA in Control-valve output loops?

Record terminal identity, polarity, shields, jumpers, cable tags and the as-found diagnostic state for MC-TAOX52.

Q4 Which TPS Process Manager I/O configuration must be checked when commissioning the MC-TAOX52 Eight-Channel Analog Output FTA?

Verify the assigned channel, slot, node or interface and compare it with the approved TPS Process Manager I/O configuration before enabling MC-TAOX52.

Q5 How can the MC-TAOX52 Eight-Channel Analog Output FTA be function-tested for VFD speed references 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 MC-TAOX52 Eight-Channel Analog Output FTA stops performing its assigned system function?

Check seating, the matched Analog output processor, the condition of FTA I/O cable and the model-specific diagnostics before replacing more hardware.

Q7 Can the MC-TAOX52 Eight-Channel Analog Output FTA used for Damper positioning be transferred to another TPS Process Manager I/O position without engineering review?

No. Confirm the hardware execution, connector scheme and approved TPS Process Manager I/O configuration before transferring MC-TAOX52 to a different duty.

Q8 What evidence should be retained after the MC-TAOX52 Eight-Channel Analog Output FTA returns to Chemical dosing commands service?

Retain the physical identification, as-left wiring or configuration, final diagnostics and controlled functional-test result for MC-TAOX52.

SOURCE Honeywell TPS Process Manager I/O Specification | IO03-684 Rev.2

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