

FIELD WORKFLOW

Honeywell MU-TAOX02 51304476-125

Analog Output FTA

Honeywell MU-TAOX02 51304476-125 is an eight-channel analog-output Field Termination Assembly with compression terminals for Process Manager I/O.

Release-gate sequence



Before work starts

- Confirm the complete Honeywell MU-TAOX02 51304476-125 identity before isolation.
- Record FTA function: Analog output, Part number: 51304476-125, Channels: 8.
- Photograph the cabinet position, connector orientation and all terminal identifiers.
- Capture the active configuration, channel assignments, alarm limits and dependent control functions.
- Place affected process equipment in the approved safe or manual condition.
- Prepare calibrated test equipment appropriate to the documented signal or interface type.

Field record essentials

MODEL ID Record MU-TAOX02 51304476-125 exactly.	SYSTEM r
SETTINGS Preserve the verified installed configuration.	TEST BASIS Define static and functional acceptance evidence.

Pre-installation verification

CHECK 01

Confirm the complete Honeywell MU-TAOX02 51304476-125 identity before isolation.

CHECK 02

Record FTA function: Analog output, Part number: 51304476-125, Channels: 8.

CHECK 03

Photograph the cabinet position, connector orientation and all terminal identifiers.

CHECK 04

Capture the active configuration, channel assignments, alarm limits and dependent control functions.

CHECK 05

Place affected process equipment in the approved safe or manual condition.

CHECK 06

Prepare calibrated test equipment appropriate to the documented signal or interface type.

Interface inventory

- Processor side: Analog-output IOP through an IOP-to-FTA cable
- Field side: Eight analog-output channel terminals
- Service interface: Calibration pads at the upper-left corner of the FTA
- Cabinet integration: A-size FTA mounting position

Hold point

Do not continue if the complete model, field-circuit identity, stored settings, protective functions or safe isolation state cannot be verified. Preserve existing wiring records and escalate the exact unresolved item.

Installation sequence

1

Match the replacement label to Honeywell MU-TAOX02 51304476-125 and the approved site bill of material.

2

Review the recorded wiring, channel map and connector orientation before disturbing conductors.

3

Isolate hazardous energy and prove the required electrical condition at the work point.

4

Apply grounded ESD controls while handling the electronic assembly.

5

Label and remove connectors or conductors without changing their established order.

6

Inspect terminals, pins, coating, guides and mounting hardware for damage or contamination.

7

Seat and secure the assembly without forcing connectors; restore wiring to the recorded positions.

8

Re-energize under an approved procedure and review hardware, channel and communication diagnostics.

Commissioning and acceptance

GATE 1

Verify the installed identity remains Honeywell MU-TAOX02 51304476-125 after energization.

GATE 2

Compare all restored channel or interface assignments with the approved engineering record.

GATE 3

Prove each serviced output at a process-safe command while observing the connected load and controller indication.

GATE 4

Check alarm, diagnostic and fault responses without defeating any required protective function.

GATE 5

Confirm unaffected channels and neighboring assemblies continue to operate normally.

GATE 6

Review connector temperature, unusual odor, noise and visible indicators during the controlled test.

GATE 7

Record calibrated readings, software indications, status events and corrective actions.

GATE 8

Obtain the required operations or engineering acceptance before releasing the equipment.

Fault-response checks

- An output that does not follow command requires checks of field power, load continuity, terminal assignment and channel status.
- Intermittent behavior: inspect terminal torque, connector seating, shielding and vibration exposure.
- Wrong point response: reconcile the physical terminal, channel map and controller database.
- Persistent diagnostic: compare the as-left condition with the captured pre-maintenance baseline.
- Neighboring faults: inspect shared power, common connectors and card-file or backplane interfaces.
- Repeat failure: stop substitution and escalate the exact identity, evidence and test record for engineering review.

Acceptance boundary

Release only after the normal state, commanded state, principal fault state and recovery behavior have all been observed at the field device, module and control-system indication.

Reference and handover

SOURCE 1

Honeywell HPM High-Performance Process Manager Service, R690, September 2021, pages 458 and 482

SOURCE 2

Honeywell Experion Control Hardware Planning Guide, R301.1, November 2006, pages 190 and 475

Related products

Verified related products on ApterPower

Honeywell CC-PAOX01 51405039-275

Series C analog-output reference

[View Honeywell CC-PAOX01 51405039-275](#)

Honeywell FS-TSFIRE-1624

Safety-system termination reference

[View Honeywell FS-TSFIRE-1624](#)

Honeywell TA3840C

Honeywell control reference

[View Honeywell TA3840C](#)

CONFIGURATION

Final settings and mappings archived

WIRING

Terminal and conductor labels reconciled

TEST RECORD

Measured results and fault tests retained

OPERATIONS

Normal indication and response briefed

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Share the exact MU-TAOX02 51304476-125 nameplate, application and required quantity for a model-specific quotation.